

Reporting Limit Outliers

Lab Reporting Batch ID: DX022

Laboratory: LL

EDD Filename: DX022_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-309-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.814	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.585	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.701	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.50	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.470	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.11	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.279	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.324	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.222	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.546	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.253	5.21	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0594	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0495	1.04	PQL	ng/Kg	
SL-310-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.16	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.450	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.317	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.303	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.07	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.268	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.759	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.260	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.158	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.355	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.364	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.299	5.27	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0262	1.05	PQL	ng/Kg	
SL-311-SA5B-SS-0.0-0.5	2,3,7,8-TCDF	JBQ	0.159	1.05	PQL	ng/Kg	J (all detects)
	OCDF	JB	9.13	10.5	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	3.73	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	3.22	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.29	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.91	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.615	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	4.52	5.42	PQL	ng/Kg	
SL-312-SA5B-SS-0.0-0.5	2,3,4,7,8-PECDF	JB	1.00	5.42	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDD	JB	0.331	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.279	1.08	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.851	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	1.03	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.582	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.12	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.579	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.93	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.226	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.462	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.212	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.785	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.286	5.26	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0561	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0388	1.05	PQL	ng/Kg	

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "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 CRLs were adjusted to reflect all sample dilutions and dry weight factors (if necessary). (Y/N) N/A

[illegible]

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX023

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
14-Dec-2010	SED-023-SIV-SD-0.0-0.5	6164977	N	METHOD	1613B	III
14-Dec-2010	SL-002-SA5C-SB-4.0-5.0	6164970	N	METHOD	1613B	III
14-Dec-2010	SL-002-SA5C-SB-9.0-10.0	6164971	N	METHOD	1613B	III
14-Dec-2010	SED-022-SIV-SD-0.0-0.5	6164978	N	METHOD	1613B	III
14-Dec-2010	SL-004-SA5C-SB-4.0-5.0	6164974	N	METHOD	1613B	III
14-Dec-2010	SED-024-SIV-SD-0.0-0.5	6164976	N	METHOD	1613B	III
14-Dec-2010	SL-004-SA5C-SB-9.0-10.0	6164973	N	METHOD	1613B	III
14-Dec-2010	EB02-SA5B-121410	6164972	EB	METHOD	1613B	III
14-Dec-2010	SL-128-SA5B-SS-0.0-0.5	6164982	N	METHOD	1613B	III
14-Dec-2010	SL-129-SA5B-SS-0.0-0.5	6164981	N	METHOD	1613B	III
14-Dec-2010	SL-125-SA5B-SS-0.0-0.5	6164979	N	METHOD	1613B	III
14-Dec-2010	SL-126-SA5B-SS-0.0-0.5	6164980	N	METHOD	1613B	III
14-Dec-2010	SL-140-SA5C-SB-3.0-4.0	6164975	N	METHOD	1613B	III
14-Dec-2010	SED-026-SIV-SD-0.0-0.5	6164984	N	METHOD	1613B	III
14-Dec-2010	SED-027-SIV-SD-0.0-0.5	6164983	N	METHOD	1613B	III
14-Dec-2010	SL-060-SA5C-SB-10.0-11.0	6164985	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	AQ

Sample ID: EB02-SA5B-121410

Collected: 12/14/2010 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	1.24	JBQ	0.302	MDL	9.82	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.40	JBQ	0.118	MDL	9.82	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.257	JBQ	0.141	MDL	9.82	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.317	JBQ	0.224	MDL	9.82	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDF	0.429	JBQ	0.171	MDL	9.82	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDF	0.244	JBQ	0.169	MDL	9.82	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDF	0.633	JBQ	0.175	MDL	9.82	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.387	JBQ	0.193	MDL	9.82	PQL	pg/L	U	B
2,3,4,6,7,8-HxCDF	0.432	JBQ	0.163	MDL	9.82	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.707	JBQ	0.164	MDL	9.82	PQL	pg/L	U	B
2,3,7,8-TCDD	0.919	U	0.919	MDL	1.96	PQL	pg/L	UJ	I
OCDD	3.54	JBQ	0.345	MDL	19.6	PQL	pg/L	U	B
OCDF	1.35	JBQ	0.309	MDL	19.6	PQL	pg/L	U	B

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SED-022-SIV-SD-0.0-0.5

Collected: 12/14/2010 10:08:00

Analysis Type: 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	2.68	JB	0.0724	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.986	JB	0.0528	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.858	JB	0.0446	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	1.06	JB	0.0385	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.93	JB	0.0527	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.176	JB	0.0553	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.532	JB	0.0801	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.657	JB	0.0258	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.35	JB	0.0424	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.792	JB	0.0267	MDL	5.41	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.184	JB	0.0335	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.473	JB	0.0584	MDL	1.08	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/7/2011 11:03:56 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-023-SIV-SD-0.0-0.5

Collected: 12/14/2010 9:19:00

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	5.10	JB	0.0324	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.994	JB	0.0165	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.132	JBQ	0.0270	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.223	JB	0.0243	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.260	JB	0.0177	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.421	JB	0.0252	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.215	JB	0.0149	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.391	JB	0.0233	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.117	JB	0.0192	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.310	JB	0.0496	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.307	JBQ	0.0185	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.238	JB	0.0169	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.570	JB	0.0187	MDL	5.61	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.133	JBQ	0.0315	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.366	JBQ	0.0478	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	1.53	JB	0.0288	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SED-024-SIV-SD-0.0-0.5

Collected: 12/14/2010 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	5.00	JB	0.0328	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.22	JB	0.0167	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.119	JB	0.0294	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.159	JB	0.0253	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.219	JB	0.0170	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.441	JB	0.0267	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.232	JB	0.0143	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.430	JB	0.0267	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0859	JBQ	0.0208	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.333	JBQ	0.0529	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.275	JB	0.0205	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.253	JB	0.0158	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.583	JB	0.0243	MDL	5.73	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0556	JB	0.0249	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.324	JB	0.0493	MDL	1.15	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-024-SIV-SD-0.0-0.5

Collected: 12/14/2010 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
OCDF	2.24	JB	0.0292	MDL	11.5	PQL	ng/Kg	J	Z

Sample ID: SED-026-SIV-SD-0.0-0.5

Collected: 12/14/2010 3:22:00

Analysis Type: 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	0.727	JB	0.0302	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.684	JB	0.0223	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.673	JB	0.0182	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	4.59	JB	0.0227	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.673	JB	0.0151	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.60	JB	0.0213	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.377	JB	0.0202	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.376	JBQ	0.0331	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.91	JB	0.0142	MDL	5.80	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.683	JB	0.0173	MDL	5.80	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.871	JB	0.0147	MDL	5.80	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0512	JBQ	0.0133	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.426	JB	0.0383	MDL	1.16	PQL	ng/Kg	J	Z

Sample ID: SED-027-SIV-SD-0.0-0.5

Collected: 12/14/2010 3:59:00

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-HPCDF	3.24	JB	0.0363	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.489	JB	0.0666	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.220	JB	0.0481	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.418	JB	0.0505	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.721	JB	0.0502	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.387	JB	0.0427	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.471	JB	0.0476	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.375	JB	0.0602	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.162	JBQ	0.0573	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.588	JB	0.0301	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.353	JB	0.0473	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.736	JB	0.0313	MDL	5.79	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.141	JB	0.0358	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.384	JBQ	0.0671	MDL	1.16	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-027-SIV-SD-0.0-0.5

Collected: 12/14/2010 3:59:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	8.78	JB	0.0550	MDL	11.6	PQL	ng/Kg	J	Z

Sample ID: SL-002-SA5C-SB-4.0-5.0

Collected: 12/14/2010 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	0.233	JBQ	0.0322	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.172	JB	0.0154	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0860	JBQ	0.0220	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0426	JB	0.0155	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.124	JB	0.0242	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0577	JBQ	0.0143	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.141	JB	0.0244	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0878	JBQ	0.0186	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0805	JBQ	0.0271	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0462	JBQ	0.0107	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0787	JB	0.0148	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0561	JB	0.0106	MDL	5.33	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0226	JBQ	0.0184	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0199	JBQ	0.0167	MDL	1.07	PQL	ng/Kg	U	B
OCDD	0.786	JB	0.0433	MDL	10.7	PQL	ng/Kg	U	B
OCDF	0.207	JB	0.0350	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-002-SA5C-SB-9.0-10.0

Collected: 12/14/2010 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	0.277	JBQ	0.0257	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.119	JB	0.00996	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0608	JB	0.0174	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0267	JBQ	0.0196	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0487	JB	0.0150	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0815	JB	0.0198	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0378	JB	0.0122	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.139	JB	0.0190	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.160	JB	0.0168	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0438	JBQ	0.00852	MDL	6.00	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0442	JB	0.0139	MDL	6.00	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-002-SA5C-SB-9.0-10.0

Collected: 12/14/2010 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
2,3,4,7,8-PECDF	0.0560	JB	0.00912	MDL	6.00	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0192	JBQ	0.0154	MDL	1.20	PQL	ng/Kg	U	B
OCDD	1.30	JB	0.0373	MDL	12.0	PQL	ng/Kg	U	B
OCDF	0.169	JBQ	0.0365	MDL	12.0	PQL	ng/Kg	U	B

Sample ID: SL-004-SA5C-SB-4.0-5.0

Collected: 12/14/2010 11:11:00

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	0.176	JBQ	0.0248	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.104	JBQ	0.00979	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0625	JB	0.0169	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0166	JBQ	0.0136	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0414	JB	0.0113	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0419	JBQ	0.0140	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0260	JBQ	0.00943	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0354	JBQ	0.0136	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0640	JBQ	0.0138	MDL	5.97	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0394	JBQ	0.0107	MDL	5.97	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0602	JB	0.00895	MDL	5.97	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0194	JBQ	0.0172	MDL	1.19	PQL	ng/Kg	U	B
OCDD	0.629	JBQ	0.0368	MDL	11.9	PQL	ng/Kg	U	B
OCDF	0.148	JBQ	0.0298	MDL	11.9	PQL	ng/Kg	U	B

Sample ID: SL-004-SA5C-SB-9.0-10.0

Collected: 12/14/2010 11:18:00

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	0.407	JB	0.0300	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.234	JBQ	0.0117	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0830	JBQ	0.0218	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0292	JBQ	0.0202	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0588	JBQ	0.0160	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.105	JBQ	0.0206	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0610	JBQ	0.0133	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.179	JBQ	0.0210	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.176	JB	0.0212	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0388	JBQ	0.0296	MDL	6.01	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-004-SA5C-SB-9.0-10.0

Collected: 12/14/2010 11:18:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.0580	JBQ	0.0105	MDL	6.01	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.107	JBQ	0.0154	MDL	6.01	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0956	JBQ	0.0114	MDL	6.01	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0294	JB	0.0213	MDL	1.20	PQL	ng/Kg	U	B
OCDD	2.29	JB	0.0376	MDL	12.0	PQL	ng/Kg	U	B
OCDF	0.329	JB	0.0425	MDL	12.0	PQL	ng/Kg	U	B

Sample ID: SL-060-SA5C-SB-10.0-11.0

Collected: 12/14/2010 4:18:00

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	1.38	JB	0.0257	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.304	JBQ	0.0156	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0571	JBQ	0.0281	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0317	JBQ	0.0181	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0766	JBQ	0.0172	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.124	JB	0.0186	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0531	JB	0.0145	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.155	JBQ	0.0188	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.132	JBQ	0.0202	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0657	JBQ	0.0230	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0816	JB	0.00907	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0566	JB	0.0161	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.114	JBQ	0.00987	MDL	5.74	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0302	JB	0.0161	MDL	1.15	PQL	ng/Kg	U	B
OCDF	0.536	JBQ	0.0269	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-125-SA5B-SS-0.0-0.5

Collected: 12/14/2010 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
1,2,3,4,7,8,9-HPCDF	1.91	JB	0.0560	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.57	JB	0.0528	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.887	JB	0.0445	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	3.86	JB	0.0551	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	2.54	JB	0.0367	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.20	JB	0.0520	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.718	JBQ	0.0526	MDL	5.28	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-125-SA5B-SS-0.0-0.5

Collected: 12/14/2010 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
1,2,3,7,8-PECDD	0.843	JB	0.0570	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.659	JB	0.0226	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.22	JB	0.0422	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.641	JB	0.0235	MDL	5.28	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.135	JBQ	0.0262	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.276	JBQ	0.0508	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-126-SA5B-SS-0.0-0.5

Collected: 12/14/2010 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
1,2,3,4,7,8,9-HPCDF	2.06	JB	0.0546	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.87	JB	0.0440	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.23	JB	0.0328	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.75	JB	0.0297	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.99	JB	0.0459	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.685	JB	0.0385	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.942	JB	0.0524	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.765	JB	0.0192	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.23	JB	0.0317	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.742	JB	0.0194	MDL	5.25	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.126	JB	0.0193	MDL	1.05	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.318	JB	0.0446	MDL	1.05	PQL	ng/Kg	J	Z

Sample ID: SL-128-SA5B-SS-0.0-0.5

Collected: 12/14/2010 1:35:00

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	1.01	JB	0.0405	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.09	JB	0.0284	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.674	JB	0.0279	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.18	JB	0.0292	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.746	JB	0.0234	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.57	JB	0.0290	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.640	JB	0.0351	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.614	JB	0.0358	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.463	JB	0.0160	MDL	5.30	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.796	JB	0.0262	MDL	5.30	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-128-SA5B-SS-0.0-0.5

Collected: 12/14/2010 1:35:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.679	JB	0.0173	MDL	5.30	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0810	JBQ	0.0186	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.293	JB	0.0385	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-129-SA5B-SS-0.0-0.5

Collected: 12/14/2010 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-HxCDD	4.08	JB	0.0561	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	3.48	JB	0.0545	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	3.48	JB	0.0468	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	1.15	JB	0.0626	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.94	JB	0.0523	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.687	JB	0.0197	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	3.93	JB	0.0504	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.839	JB	0.0202	MDL	5.28	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.166	JBQ	0.0211	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.330	JB	0.0439	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	11200	EB	0.143	MDL	10.6	PQL	ng/Kg	J	*XI

Sample ID: SL-140-SA5C-SB-3.0-4.0

Collected: 12/14/2010 2:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCCD	0.117	JB	0.0288	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.108	JB	0.0140	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0727	JB	0.0253	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0325	JBQ	0.0155	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0200	JBQ	0.0131	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0405	JBQ	0.0201	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0537	JB	0.0210	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0234	JBQ	0.0120	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0404	JBQ	0.0147	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0581	JBQ	0.0125	MDL	5.56	PQL	ng/Kg	U	B
OCDD	0.507	JBQ	0.0492	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.189	JBQ	0.0436	MDL	11.1	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX023

EDD Filename: DX023_v1.

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_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 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
F	Equipment Blank Contamination
F	Field Blank Contamination

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/7/2011 11:03:57 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

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

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX023

Method Blank Outlier Report

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371629	12/30/2010 4:29:00 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 2,3,7,8-TCDF OCDD OCDF	1.35 pg/L 1.41 pg/L 0.582 pg/L 0.485 pg/L 0.599 pg/L 0.512 pg/L 0.568 pg/L 0.483 pg/L 0.637 pg/L 0.684 pg/L 0.474 pg/L 0.505 pg/L 0.810 pg/L 2.81 pg/L 0.181 pg/L 2.39 pg/L 1.43 pg/L	EB02-SA5B-121410

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
EB02-SA5B-121410(RES)	1,2,3,4,6,7,8-HPCDD	1.24 pg/L	1.24U pg/L
EB02-SA5B-121410(RES)	1,2,3,4,6,7,8-HPCDF	1.40 pg/L	1.40U pg/L
EB02-SA5B-121410(RES)	1,2,3,4,7,8,9-HPCDF	0.257 pg/L	0.257U pg/L
EB02-SA5B-121410(RES)	1,2,3,4,7,8-HxCDD	0.317 pg/L	0.317U pg/L
EB02-SA5B-121410(RES)	1,2,3,4,7,8-HxCDF	0.429 pg/L	0.429U pg/L
EB02-SA5B-121410(RES)	1,2,3,6,7,8-HxCDF	0.244 pg/L	0.244U pg/L
EB02-SA5B-121410(RES)	1,2,3,7,8,9-HxCDF	0.633 pg/L	0.633U pg/L
EB02-SA5B-121410(RES)	1,2,3,7,8-PECDF	0.387 pg/L	0.387U pg/L
EB02-SA5B-121410(RES)	2,3,4,6,7,8-HxCDF	0.432 pg/L	0.432U pg/L
EB02-SA5B-121410(RES)	2,3,4,7,8-PECDF	0.707 pg/L	0.707U pg/L
EB02-SA5B-121410(RES)	OCDD	3.54 pg/L	3.54U pg/L
EB02-SA5B-121410(RES)	OCDF	1.35 pg/L	1.35U pg/L

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371610	1/15/2011 4:10:00 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-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	0.225 ng/Kg 0.149 ng/Kg 0.113 ng/Kg 0.0533 ng/Kg 0.0754 ng/Kg 0.0419 ng/Kg 0.0628 ng/Kg 0.0658 ng/Kg 0.161 ng/Kg 0.0679 ng/Kg 0.0507 ng/Kg 0.0900 ng/Kg 0.0914 ng/Kg 0.0282 ng/Kg 0.0270 ng/Kg 0.570 ng/Kg 0.344 ng/Kg	SED-022-SIV-SD-0.0-0.5 SED-023-SIV-SD-0.0-0.5 SED-024-SIV-SD-0.0-0.5 SED-026-SIV-SD-0.0-0.5 SED-027-SIV-SD-0.0-0.5 SL-002-SA5C-SB-4.0-5.0 SL-002-SA5C-SB-9.0-10.0 SL-004-SA5C-SB-4.0-5.0 SL-004-SA5C-SB-9.0-10.0 SL-060-SA5C-SB-10.0-11.0 SL-125-SA5B-SS-0.0-0.5 SL-126-SA5B-SS-0.0-0.5 SL-128-SA5B-SS-0.0-0.5 SL-129-SA5B-SS-0.0-0.5 SL-140-SA5C-SB-3.0-4.0

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/7/2011 7:10:03 AM

ADR version 1.3.0.71

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Method Blank Outlier Report

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_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
SED-022-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.132 ng/Kg	0.132U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.223 ng/Kg	0.223U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.260 ng/Kg	0.260U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.215 ng/Kg	0.215U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.117 ng/Kg	0.117U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.310 ng/Kg	0.310U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.238 ng/Kg	0.238U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDD	0.133 ng/Kg	0.133U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	OCDF	1.53 ng/Kg	1.53U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.119 ng/Kg	0.119U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.159 ng/Kg	0.159U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.219 ng/Kg	0.219U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.232 ng/Kg	0.232U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0859 ng/Kg	0.0859U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.333 ng/Kg	0.333U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.253 ng/Kg	0.253U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDD	0.0556 ng/Kg	0.0556U ng/Kg
SED-026-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.377 ng/Kg	0.377U ng/Kg
SED-026-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDD	0.0512 ng/Kg	0.0512U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.489 ng/Kg	0.489U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.220 ng/Kg	0.220U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.375 ng/Kg	0.375U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.182 ng/Kg	0.182U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.353 ng/Kg	0.353U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDD	0.141 ng/Kg	0.141U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.233 ng/Kg	0.233U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.172 ng/Kg	0.172U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0860 ng/Kg	0.0860U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0426 ng/Kg	0.0426U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.124 ng/Kg	0.124U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0577 ng/Kg	0.0577U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.141 ng/Kg	0.141U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0876 ng/Kg	0.0876U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0805 ng/Kg	0.0805U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0462 ng/Kg	0.0462U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0787 ng/Kg	0.0787U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0561 ng/Kg	0.0561U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0226 ng/Kg	0.0226U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0199 ng/Kg	0.0199U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_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-SA5C-SB-4.0-5.0(RES)	OCDD	0.786 ng/Kg	0.786U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	OCDF	0.207 ng/Kg	0.207U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.277 ng/Kg	0.277U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.119 ng/Kg	0.119U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0608 ng/Kg	0.0608U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0267 ng/Kg	0.0267U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0487 ng/Kg	0.0487U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0815 ng/Kg	0.0815U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0378 ng/Kg	0.0378U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.139 ng/Kg	0.139U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.160 ng/Kg	0.160U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0438 ng/Kg	0.0438U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0442 ng/Kg	0.0442U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0560 ng/Kg	0.0560U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0192 ng/Kg	0.0192U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	OCDD	1.30 ng/Kg	1.30U ng/Kg
SL-002-SA5C-SB-9.0-10.0(RES)	OCDF	0.169 ng/Kg	0.169U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.176 ng/Kg	0.176U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.104 ng/Kg	0.104U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0625 ng/Kg	0.0625U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0166 ng/Kg	0.0166U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0414 ng/Kg	0.0414U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0419 ng/Kg	0.0419U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0260 ng/Kg	0.0260U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0354 ng/Kg	0.0354U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0640 ng/Kg	0.0640U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0394 ng/Kg	0.0394U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0602 ng/Kg	0.0602U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0194 ng/Kg	0.0194U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	OCDD	0.629 ng/Kg	0.629U ng/Kg
SL-004-SA5C-SB-4.0-5.0(RES)	OCDF	0.148 ng/Kg	0.148U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.407 ng/Kg	0.407U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.234 ng/Kg	0.234U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0830 ng/Kg	0.0830U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0292 ng/Kg	0.0292U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0588 ng/Kg	0.0588U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.105 ng/Kg	0.105U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0610 ng/Kg	0.0610U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.179 ng/Kg	0.179U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.176 ng/Kg	0.176U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_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-004-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0386 ng/Kg	0.0388U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0580 ng/Kg	0.0580U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.107 ng/Kg	0.107U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0956 ng/Kg	0.0956U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0294 ng/Kg	0.0294U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	OCDD	2.29 ng/Kg	2.29U ng/Kg
SL-004-SA5C-SB-9.0-10.0(RES)	OCDF	0.329 ng/Kg	0.329U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	1,2,3,4,6,7,8-HPCDF	0.304 ng/Kg	0.304U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0571 ng/Kg	0.0571U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	1,2,3,4,7,8-HxCDD	0.0317 ng/Kg	0.0317U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	1,2,3,4,7,8-HXCDF	0.0766 ng/Kg	0.0766U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	1,2,3,6,7,8-HxCDD	0.124 ng/Kg	0.124U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	1,2,3,6,7,8-HXCDF	0.0531 ng/Kg	0.0531U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	1,2,3,7,8,9-HxCDD	0.155 ng/Kg	0.155U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	1,2,3,7,8,9-HXCDF	0.132 ng/Kg	0.132U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	1,2,3,7,8-PECDD	0.0657 ng/Kg	0.0657U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	1,2,3,7,8-PECDF	0.0816 ng/Kg	0.0816U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	2,3,4,6,7,8-HXCDF	0.0566 ng/Kg	0.0566U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	2,3,4,7,8-PECDF	0.114 ng/Kg	0.114U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	2,3,7,8-TCDD	0.0302 ng/Kg	0.0302U ng/Kg
SL-060-SA5C-SB-10.0-11.0(RES)	OCDF	0.536 ng/Kg	0.536U ng/Kg
SL-125-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.718 ng/Kg	0.718U ng/Kg
SL-125-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.135 ng/Kg	0.135U ng/Kg
SL-126-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.685 ng/Kg	0.685U ng/Kg
SL-126-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.126 ng/Kg	0.126U ng/Kg
SL-128-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.640 ng/Kg	0.640U ng/Kg
SL-128-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0810 ng/Kg	0.0810U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.117 ng/Kg	0.117U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.108 ng/Kg	0.108U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0727 ng/Kg	0.0727U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0325 ng/Kg	0.0325U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0200 ng/Kg	0.0200U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	1,2,3,7,8,9-HxCDD	0.0405 ng/Kg	0.0405U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0537 ng/Kg	0.0537U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0234 ng/Kg	0.0234U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0404 ng/Kg	0.0404U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0581 ng/Kg	0.0581U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	OCDD	0.507 ng/Kg	0.507U ng/Kg
SL-140-SA5C-SB-3.0-4.0(RES)	OCDF	0.189 ng/Kg	0.189U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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ADR version 1.3.0.71

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Internal Standard Outlier Report

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB02-SA5B- 121410	13C-1,2,7,8-TCDD (CRS) 13C-2,3,7,8-TCDD	22 11	35.00-197.00 25.00-164.00	2,3,7,8-TCDD	J (all detects) UJ (all non-detects)

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/7/2011 10:59:59 AM

ADR version 1.3.0.71

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Reporting Limit Outliers

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB02-SA5B-121410	1,2,3,4,6,7,8-HPCDD	JBQ	1.24	9.82	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	1.40	9.82	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.257	9.82	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.317	9.82	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.429	9.82	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.244	9.82	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.633	9.82	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.387	9.82	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.432	9.82	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.707	9.82	PQL	pg/L	
	OCDD	JBQ	3.54	19.6	PQL	pg/L	
	OCDF	JBQ	1.35	19.6	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-022-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.68	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.986	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.858	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.06	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.93	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.176	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.532	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.657	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.35	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.792	5.41	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.184	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.473	1.08	PQL	ng/Kg	
SED-023-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	5.10	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.994	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.132	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.223	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.260	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.421	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.215	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.391	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.117	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.310	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.307	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.238	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.570	5.61	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.133	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.366	1.12	PQL	ng/Kg	
	OCDF	JB	1.53	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-024-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	5.00	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.22	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.119	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.159	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.219	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.441	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.232	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.430	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0859	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.333	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.275	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.253	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.583	5.73	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0556	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.324	1.15	PQL	ng/Kg	
	OCDF	JB	2.24	11.5	PQL	ng/Kg	
SED-026-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.727	5.80	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.684	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.673	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	4.59	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.673	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.60	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.377	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.376	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.91	5.80	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.683	5.80	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.871	5.80	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0512	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.426	1.16	PQL	ng/Kg	
SED-027-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.24	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.489	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.220	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.418	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.721	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.387	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.471	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.375	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.162	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.588	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.353	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.736	5.79	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.141	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.384	1.16	PQL	ng/Kg	
	OCDF	JB	8.78	11.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-002-SA5C-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.233	5.33	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.172	5.33	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0860	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0426	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.124	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0577	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.141	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0878	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0805	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0462	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0787	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0561	5.33	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0226	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0199	1.07	PQL	ng/Kg	
	OCDD	JB	0.786	10.7	PQL	ng/Kg	
	OCDF	JB	0.207	10.7	PQL	ng/Kg	
SL-002-SA5C-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.277	6.00	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.119	6.00	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0608	6.00	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0267	6.00	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0487	6.00	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0815	6.00	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0378	6.00	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.139	6.00	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.160	6.00	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0438	6.00	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0442	6.00	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0560	6.00	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0192	1.20	PQL	ng/Kg	
	OCDD	JB	1.30	12.0	PQL	ng/Kg	
	OCDF	JBQ	0.169	12.0	PQL	ng/Kg	
SL-004-SA5C-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.176	5.97	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.104	5.97	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0625	5.97	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0166	5.97	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0414	5.97	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0419	5.97	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0260	5.97	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0354	5.97	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0640	5.97	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0394	5.97	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0602	5.97	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0194	1.19	PQL	ng/Kg	
	OCDD	JBQ	0.629	11.9	PQL	ng/Kg	
	OCDF	JBQ	0.148	11.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-004-SA5C-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.407	6.01	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.234	6.01	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0830	6.01	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0292	6.01	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0588	6.01	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.105	6.01	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0610	6.01	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.179	6.01	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.176	6.01	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0388	6.01	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0580	6.01	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDD	JBQ	0.107	6.01	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0956	6.01	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0294	1.20	PQL	ng/Kg	
	OCDD	JB	2.29	12.0	PQL	ng/Kg	
	OCDF	JB	0.329	12.0	PQL	ng/Kg	
SL-060-SA5C-SB-10.0-11.0	1,2,3,4,6,7,8-HPCDD	JB	1.38	5.74	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.304	5.74	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0571	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0317	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0766	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.124	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0531	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.155	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.132	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0657	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0816	5.74	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0566	5.74	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.114	5.74	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0302	1.15	PQL	ng/Kg	
	OCDF	JBQ	0.536	11.5	PQL	ng/Kg	
SL-125-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.91	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.57	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.887	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	3.86	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	2.54	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	3.20	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.718	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.843	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.659	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.22	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.641	5.28	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.135	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.276	1.06	PQL	ng/Kg	
SL-126-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.06	5.25	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.87	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.23	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.75	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	3.99	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.685	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.942	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.765	5.25	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.23	5.25	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.742	5.25	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.126	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.318	1.05	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-128-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.01	5.30	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.09	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.674	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.18	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.746	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.57	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.640	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.614	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.463	5.30	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.796	5.30	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.679	5.30	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0810	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.293	1.06	PQL	ng/Kg	
SL-129-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HxCDD	JB	4.08	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HXCDF	JB	3.48	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	3.48	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.15	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.94	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.687	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	3.93	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.839	5.28	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.166	1.06	PQL	ng/Kg	
SL-140-SA5C-SB-3.0-4.0	2,3,7,8-TCDF	JB	0.330	1.06	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JB	0.117	5.56	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.108	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0727	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0325	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0200	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0405	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0537	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0234	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0404	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0581	5.56	PQL	ng/Kg	
	OCDD	JBQ	0.507	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.189	11.1	PQL	ng/Kg	

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

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

Y N NA
Y N NA

[illegible]

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX024

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-Dec-2010	SED-021-SIV-SD-0.0-0.5	6166118	N	METHOD	1613B	III
15-Dec-2010	SL-133-SA5B-SS-0.0-0.5	6166114	N	METHOD	1613B	III
15-Dec-2010	SL-134-SA5B-SS-0.0-0.5	6166117	N	METHOD	1613B	III
15-Dec-2010	SL-132-SA5B-SS-0.0-0.5	6166113	N	METHOD	1613B	III
15-Dec-2010	SL-135-SA5B-SS-0.0-0.5	6166116	N	METHOD	1613B	III
15-Dec-2010	SL-131-SA5B-SS-0.0-0.5	6166115	N	METHOD	1613B	III
15-Dec-2010	SED-018-SIV-SD-0.0-0.5	6166119	N	METHOD	1613B	III
15-Dec-2010	SL-257-SA5B-SS-0.0-0.5	6166130	N	METHOD	1613B	III
15-Dec-2010	SL-156-SA5B-SS-0.0-0.5	6166125	N	METHOD	1613B	III
15-Dec-2010	SED-016-SIV-SD-0.0-0.5	6166121	N	METHOD	1613B	III
15-Dec-2010	SL-155-SA5B-SS-0.0-0.5	6166123	N	METHOD	1613B	III
15-Dec-2010	SL-136-SA5B-SS-0.0-0.5	6166128	N	METHOD	1613B	III
15-Dec-2010	SL-153-SA5B-SS-0.0-0.5	6166122	N	METHOD	1613B	III
15-Dec-2010	SL-203-SA5B-SS-0.0-0.5	6166129	N	METHOD	1613B	III
15-Dec-2010	SL-150-SA5B-SS-0.0-0.5	6166126	N	METHOD	1613B	III
15-Dec-2010	SL-181-SA5B-SS-0.0-0.5	6166127	N	METHOD	1613B	III
15-Dec-2010	SL-149-SA5B-SS-0.0-0.5	6166124	N	METHOD	1613B	III
15-Dec-2010	SL-204-SA5B-SS-0.0-0.5	6166131	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-016-SIV-SD-0.0-0.5

Collected: 12/15/2010 1:41:00

Analysis Type: 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	2.18	JB	0.0487	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	2.42	JB	0.0539	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	2.82	JB	0.0451	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	5.06	JB	0.0494	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.495	JBQ	0.0674	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.820	JQ	0.0609	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.363	JBQ	0.0208	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	4.66	JB	0.0528	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.247	JBQ	0.0225	MDL	5.58	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.120	JQ	0.0287	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0902	JBQ	0.0305	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	7800	EB	0.194	MDL	11.2	PQL	ng/Kg	J	*XI

Sample ID: SED-018-SIV-SD-0.0-0.5

Collected: 12/15/2010 12:31:00

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-HPCDF	2.93	JB	0.0183	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.205	JB	0.0358	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.202	JBQ	0.0272	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.178	JB	0.0200	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.619	JB	0.0290	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.196	JBQ	0.0169	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.458	JBQ	0.0290	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.159	JBQ	0.0270	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.190	JQ	0.0296	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.260	JB	0.0144	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.249	JB	0.0191	MDL	5.55	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.461	JB	0.0156	MDL	5.55	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0408	JQ	0.0180	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.128	JBQ	0.0342	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	8.78	JB	0.0404	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SED-021-SIV-SD-0.0-0.5

Collected: 12/15/2010 9:21:00

Analysis Type: 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	0.816	JB	0.0403	MDL	5.27	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-021-SIV-SD-0.0-0.5

Collected: 12/15/2010 9:21:00

Analysis Type: 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	0.391	JBQ	0.0338	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.324	JB	0.0297	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	2.24	JB	0.0351	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.343	JB	0.0248	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.745	JB	0.0356	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0774	JBQ	0.0387	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.170	JQ	0.0409	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.192	JBQ	0.0148	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.513	JB	0.0278	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.165	JBQ	0.0158	MDL	5.27	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0453	JQ	0.0253	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0483	JB	0.0267	MDL	1.05	PQL	ng/Kg	U	B

Sample ID: SL-131-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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	1.05	JB	0.0975	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.966	JB	0.0958	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.866	JB	0.0602	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.99	JB	0.0976	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.815	JB	0.0570	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.38	JB	0.101	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.498	JB	0.0653	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.537	JQ	0.0970	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.491	JB	0.0455	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.893	JB	0.0574	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.730	JB	0.0430	MDL	5.25	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0653	JQ	0.0590	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.209	JB	0.0565	MDL	1.05	PQL	ng/Kg	J	Z

Sample ID: SL-132-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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	3.59	JB	0.0364	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.285	JB	0.0456	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.574	JB	0.0409	MDL	5.63	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/17/2011 12:43:46 PM

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Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-132-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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-HXCDF	0.469	JB	0.0358	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.04	JBQ	0.0412	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.289	JBQ	0.0346	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.775	JB	0.0358	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.180	JBQ	0.0318	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.325	JQ	0.0500	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.337	JB	0.0609	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.343	JB	0.0319	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.851	JB	0.0586	MDL	5.63	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0517	JQ	0.0185	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.02	JB	0.0666	MDL	1.13	PQL	ng/Kg	J	Z

Sample ID: SL-133-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
1,2,3,4,7,8,9-HPCDF	0.593	JB	0.0779	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.654	JB	0.0491	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.438	JBQ	0.0380	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.27	JB	0.0542	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.351	JB	0.0335	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.12	JB	0.0560	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.233	JB	0.0492	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.501	J	0.0472	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.182	JBQ	0.0458	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.536	JB	0.0385	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.875	JB	0.0441	MDL	5.36	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.161	J	0.0282	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.610	JB	0.0529	MDL	1.07	PQL	ng/Kg	J	Z

Sample ID: SL-134-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
1,2,3,4,7,8,9-HPCDF	0.685	JB	0.0493	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.844	JB	0.0400	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.547	JB	0.0277	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.10	JB	0.0408	MDL	5.26	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-134-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
1,2,3,6,7,8-HXCDF	0.441	JB	0.0264	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.00	JB	0.0428	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.184	JB	0.0322	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	1.40	JQ	0.0638	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.359	JB	0.0229	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.551	JB	0.0267	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.510	JB	0.0196	MDL	5.26	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.857	J	0.0557	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.297	JB	0.0427	MDL	1.05	PQL	ng/Kg	J	Z

Sample ID: SL-135-SA5B-SS-0.0-0.5

Collected: 12/15/2010 11:13:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	4.87	JB	0.0568	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	4.26	JB	0.0537	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.52	JB	0.0743	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	5.35	JQ	0.0884	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.38	JB	0.0392	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	5.26	JB	0.0554	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.74	JB	0.0354	MDL	5.56	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.801	J	0.0541	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.896	JBQ	0.0782	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	5210	EB	0.209	MDL	11.1	PQL	ng/Kg	J	*XI

Sample ID: SL-136-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
1,2,3,4,7,8,9-HPCDF	1.32	JB	0.0581	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.24	JB	0.0393	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.20	JB	0.0394	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	4.26	JB	0.0409	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.08	JB	0.0395	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.05	JB	0.0416	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.794	JB	0.0438	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.719	J	0.0604	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.789	JB	0.0332	MDL	5.48	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-136-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
2,3,4,6,7,8-HxCDF	1.18	JB	0.0380	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.82	JB	0.0305	MDL	5.48	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0729	JQ	0.0359	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.791	JB	0.0660	MDL	1.10	PQL	ng/Kg	J	Z

Sample ID: SL-149-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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	1.16	JB	0.0384	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.921	JB	0.0276	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.752	JB	0.0233	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.52	JB	0.0283	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.861	JB	0.0221	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.03	JB	0.0285	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.281	JB	0.0259	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.461	J	0.0416	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.869	JB	0.0192	MDL	5.22	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.883	JB	0.0227	MDL	5.22	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.589	JB	0.0176	MDL	5.22	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0659	J	0.0201	MDL	1.04	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.282	JB	0.0410	MDL	1.04	PQL	ng/Kg	J	Z

Sample ID: SL-150-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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-HxCDD	1.94	JB	0.0326	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	2.39	JB	0.0295	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	2.60	JB	0.0283	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	4.07	JB	0.0346	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.444	JB	0.0352	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.697	J	0.0474	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.671	JB	0.0184	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	3.13	JB	0.0294	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.708	JB	0.0169	MDL	5.26	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0833	J	0.0218	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.277	JBQ	0.0367	MDL	1.05	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-153-SA5B-SS-0.0-0.5

Collected: 12/15/2010 2:08:00

Analysis Type: 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	2.02	JB	0.0501	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.53	JB	0.0281	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.47	JB	0.0273	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.38	JB	0.0259	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	5.44	JB	0.0291	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.874	JB	0.0302	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.14	J	0.0453	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.628	JB	0.0189	MDL	5.76	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.83	JB	0.0266	MDL	5.76	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.920	JB	0.0179	MDL	5.76	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.161	JQ	0.0212	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.461	JB	0.0440	MDL	1.15	PQL	ng/Kg	J	Z

Sample ID: SL-155-SA5B-SS-0.0-0.5

Collected: 12/15/2010 1:41:00

Analysis Type: RES

Dilution: 1

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	2.35	JB	0.0169	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.222	JBQ	0.0307	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.182	JBQ	0.0239	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.202	JB	0.0182	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.24	JB	0.0245	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.234	JBQ	0.0159	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.22	JB	0.0247	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.391	JB	0.0249	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.298	JB	0.0117	MDL	5.22	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.262	JBQ	0.0182	MDL	5.22	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.275	JB	0.0123	MDL	5.22	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.137	JBQ	0.0253	MDL	1.04	PQL	ng/Kg	J	Z
OCDF	4.59	JB	0.0307	MDL	10.4	PQL	ng/Kg	J	Z

Sample ID: SL-156-SA5B-SS-0.0-0.5

Collected: 12/15/2010 1:32:00

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	2.99	JB	0.0456	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.84	JB	0.0410	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.85	JB	0.0364	MDL	5.37	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-156-SA5B-SS-0.0-0.5

Collected: 12/15/2010 1:32:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	2.20	JB	0.0331	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	5.11	JB	0.0429	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.686	JB	0.0454	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.43	J	0.0652	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.693	JB	0.0260	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.25	JB	0.0352	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.51	JB	0.0253	MDL	5.37	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.139	J	0.0258	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.573	JB	0.0707	MDL	1.07	PQL	ng/Kg	J	Z

Sample ID: SL-181-SA5B-SS-0.0-0.5

Collected: 12/15/2010 3:26:00

Analysis Type: 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	0.686	JB	0.0711	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.801	JB	0.0858	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.488	JB	0.0523	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.90	JB	0.0821	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.383	JB	0.0526	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.08	JB	0.0747	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.603	JBQ	0.0725	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.540	J	0.0871	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.203	JB	0.0250	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.448	JB	0.0577	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.483	JBQ	0.0310	MDL	5.43	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.195	JB	0.0563	MDL	1.09	PQL	ng/Kg	J	Z

Sample ID: SL-203-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
1,2,3,4,6,7,8-HPCDF	2.73	JB	0.0266	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.292	JBQ	0.0461	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.238	JB	0.0346	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.271	JBQ	0.0314	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.760	JB	0.0369	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.240	JBQ	0.0263	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.655	JB	0.0406	MDL	5.45	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-203-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
1,2,3,7,8,9-HXCDF	0.199	JB	0.0358	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.166	J	0.0367	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.483	JB	0.0167	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.238	JB	0.0300	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.197	JB	0.0172	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0484	JQ	0.0193	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0825	JBQ	0.0284	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	6.06	JB	0.0520	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-204-SA5B-SS-0.0-0.5

Collected: 12/15/2010 3:51:00

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	3.15	JB	0.0283	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.265	JBQ	0.0347	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.204	JB	0.0250	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.173	JBQ	0.0188	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.724	JB	0.0290	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.226	JBQ	0.0185	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.554	JBQ	0.0272	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.116	JB	0.0212	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.181	JQ	0.0285	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.138	JB	0.0140	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.247	JB	0.0179	MDL	5.36	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.260	JB	0.0130	MDL	5.36	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0302	JQ	0.0183	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0681	JB	0.0188	MDL	1.07	PQL	ng/Kg	U	B
OCDF	10.0	JB	0.0374	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-257-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
1,2,3,4,7,8,9-HPCDF	1.86	JB	0.0383	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.63	JB	0.0314	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.77	JB	0.0272	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	4.40	JB	0.0324	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.16	JB	0.0257	MDL	5.56	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-257-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
1,2,3,7,8,9-HXCDD	3.15	JB	0.0317	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.863	JB	0.0294	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.851	J	0.0441	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.723	JB	0.0178	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.38	JB	0.0262	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.980	JB	0.0172	MDL	5.56	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.106	JQ	0.0169	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.367	JB	0.0377	MDL	1.11	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_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 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
F	Equipment Blank Contamination
F	Field Blank Contamination

Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation

Data Qualifier Summary

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

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

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX024

Method Blank Outlier Report

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370401	1/19/2011 4:01:00 AM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8-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-HxCDD 1,2,3,7,8-HxCDF 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	0.118 ng/Kg 0.117 ng/Kg 0.0646 ng/Kg 0.0156 ng/Kg 0.0698 ng/Kg 0.0249 ng/Kg 0.0377 ng/Kg 0.0161 ng/Kg 0.0373 ng/Kg 0.0239 ng/Kg 0.0505 ng/Kg 0.0586 ng/Kg 0.0160 ng/Kg 0.366 ng/Kg 0.220 ng/Kg	SED-016-SIV-SD-0.0-0.5 SED-018-SIV-SD-0.0-0.5 SED-021-SIV-SD-0.0-0.5 SL-131-SA5B-SS-0.0-0.5 SL-132-SA5B-SS-0.0-0.5 SL-133-SA5B-SS-0.0-0.5 SL-134-SA5B-SS-0.0-0.5 SL-135-SA5B-SS-0.0-0.5 SL-136-SA5B-SS-0.0-0.5 SL-149-SA5B-SS-0.0-0.5 SL-150-SA5B-SS-0.0-0.5 SL-153-SA5B-SS-0.0-0.5 SL-155-SA5B-SS-0.0-0.5 SL-156-SA5B-SS-0.0-0.5 SL-161-SA5B-SS-0.0-0.5 SL-203-SA5B-SS-0.0-0.5 SL-204-SA5B-SS-0.0-0.5 SL-257-SA5B-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
SED-016-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.247 ng/Kg	0.247U ng/Kg
SED-018-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HPCDF	0.205 ng/Kg	0.205U ng/Kg
SED-018-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.178 ng/Kg	0.178U ng/Kg
SED-018-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-HxCDF	0.159 ng/Kg	0.159U ng/Kg
SED-018-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.249 ng/Kg	0.249U ng/Kg
SED-021-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.324 ng/Kg	0.324U ng/Kg
SED-021-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0774 ng/Kg	0.0774U ng/Kg
SED-021-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.165 ng/Kg	0.165U ng/Kg
SED-021-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDF	0.0483 ng/Kg	0.0483U ng/Kg
SL-132-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HPCDF	0.265 ng/Kg	0.265U ng/Kg
SL-132-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.180 ng/Kg	0.180U ng/Kg
SL-134-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.184 ng/Kg	0.184U ng/Kg
SL-155-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.222 ng/Kg	0.222U ng/Kg
SL-155-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.202 ng/Kg	0.202U ng/Kg
SL-155-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.275 ng/Kg	0.275U ng/Kg
SL-203-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.292 ng/Kg	0.292U ng/Kg
SL-203-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.271 ng/Kg	0.271U ng/Kg
SL-203-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.238 ng/Kg	0.238U ng/Kg
SL-203-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.197 ng/Kg	0.197U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.265 ng/Kg	0.265U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.173 ng/Kg	0.173U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.116 ng/Kg	0.116U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.247 ng/Kg	0.247U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.260 ng/Kg	0.260U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0681 ng/Kg	0.0681U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-016-SIV-SD-0.0-0.5	1,2,3,4,7,8-HxCDD	JB	2.18	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDF	JB	2.42	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	2.82	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	5.06	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.495	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.820	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.363	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	4.66	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.247	5.58	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.120	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0902	1.12	PQL	ng/Kg	
SED-018-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.93	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.205	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.202	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.178	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.619	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.196	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.458	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.159	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.190	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.260	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.249	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.461	5.55	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0408	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.128	1.11	PQL	ng/Kg	
	OCDF	JB	8.78	11.1	PQL	ng/Kg	
SED-021-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.816	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.391	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.324	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.24	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.343	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.745	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0774	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.170	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.192	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.513	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.165	5.27	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0453	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0483	1.05	PQL	ng/Kg	
SL-131-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.05	5.25	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.966	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.866	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.99	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.815	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.38	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.498	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.537	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.491	5.25	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.893	5.25	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.730	5.25	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0653	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.209	1.05	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-132-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.59	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.285	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.574	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.469	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	1.04	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.289	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.775	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.180	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.325	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	JB	0.343	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.851	5.63	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0517	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	1.02	1.13	PQL	ng/Kg	
SL-133-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.593	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.654	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.438	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.27	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.351	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.12	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.233	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.501	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.182	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.536	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.875	5.36	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.161	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.610	1.07	PQL	ng/Kg	
SL-134-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.685	5.26	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.844	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.547	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.10	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.441	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.00	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.184	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	1.40	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.359	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.551	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.510	5.26	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.857	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.297	1.05	PQL	ng/Kg	
SL-135-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HXCDF	JB	4.87	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,6,7,8-HXCDF	JB	4.26	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.52	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	5.35	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.38	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	5.26	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.74	5.56	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.801	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.896	1.11	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-136-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.32	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.24	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.20	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	4.26	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.08	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.05	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.794	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.719	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.789	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.18	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.82	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0729	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.791	1.10	PQL	ng/Kg	
SL-149-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.16	5.22	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.921	5.22	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.752	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.52	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.861	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.03	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.281	5.22	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.461	5.22	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.869	5.22	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.883	5.22	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.589	5.22	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0659	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.282	1.04	PQL	ng/Kg	
SL-150-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HxCDD	JB	1.94	5.26	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HXCDF	JB	2.39	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	2.60	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	4.07	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.444	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.697	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.671	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	3.13	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.708	5.26	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0833	1.05	PQL	ng/Kg	
SL-153-SA5B-SS-0.0-0.5	2,3,7,8-TCDF	JBQ	0.277	1.05	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	2.02	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	2.53	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.47	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.38	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	5.44	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.874	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	1.14	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.628	5.76	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.83	5.76	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.920	5.76	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.161	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.461	1.15	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-155-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.35	5.22	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.222	5.22	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.182	5.22	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.202	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.24	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.234	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.22	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.391	5.22	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.298	5.22	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.262	5.22	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.275	5.22	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.137	1.04	PQL	ng/Kg	
	OCDF	JB	4.59	10.4	PQL	ng/Kg	
SL-156-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.99	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.84	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.85	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	2.20	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	5.11	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.686	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	1.43	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.693	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.25	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.51	5.37	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.139	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.573	1.07	PQL	ng/Kg	
SL-181-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.686	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.801	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.488	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.90	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.383	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.08	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.603	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.540	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.203	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.448	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.483	5.43	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.195	1.09	PQL	ng/Kg	
SL-203-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.73	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.292	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.238	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.271	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.760	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.240	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.655	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.199	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.166	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.483	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.238	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.197	5.45	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0484	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0825	1.09	PQL	ng/Kg	
	OCDF	JB	6.06	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX024

Laboratory: LL

EDD Filename: DX024_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-204-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.15	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.265	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.204	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.173	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.724	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.226	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.554	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.116	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.181	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.138	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.247	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.260	5.36	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0302	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0681	1.07	PQL	ng/Kg	
	OCDF	JB	10.0	10.7	PQL	ng/Kg	
SL-257-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.86	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.63	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.77	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	4.40	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.16	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	3.15	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.863	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.851	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.723	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.38	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.980	5.56	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.106	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.367	1.11	PQL	ng/Kg	

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

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

<u>Y</u>	<u>N</u>	<u>N/A</u>
<u>Y</u>	<u>N</u>	<u>N/A</u>

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX025

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-Dec-2010	SL-264-SA5B-SS-0.0-0.5	6166416	N	METHOD	1613B	IV
15-Dec-2010	SL-263-SA5B-SS-0.0-0.5	6166415	N	METHOD	1613B	IV
15-Dec-2010	SL-262-SA5B-SS-0.0-0.5	6166410	N	METHOD	1613B	IV
15-Dec-2010	SL-262-SA5B-SS-0.0-0.5MS	6166411	MS	METHOD	1613B	IV
15-Dec-2010	SL-262-SA5B-SS-0.0-0.5MSD	6166412	MSD	METHOD	1613B	IV
15-Dec-2010	DUP06-SA5B-QC-121510	6166413	FD	METHOD	1613B	IV
15-Dec-2010	SL-303-SA5B-SS-0.0-0.5	6166409	N	METHOD	1613B	IV
15-Dec-2010	SL-302-SA5B-SS-0.0-0.5	6166414	N	METHOD	1613B	IV
15-Dec-2010	SL-027-SA5B-SB-4.0-5.0	6166417	N	METHOD	1613B	IV
15-Dec-2010	SL-027-SA5B-SB-8.0-9.0	6166418	N	METHOD	1613B	IV
15-Dec-2010	EB03-SA5B-121510	6166419	EB	METHOD	1613B	IV
15-Dec-2010	EB15-SA5B-121510	6166420	EB	METHOD	1613B	IV
15-Dec-2010	SL-298-SA5B-SB-4.0-5.0	6166421	N	METHOD	1613B	IV
15-Dec-2010	SL-298-SA5B-SS-9.0-10.0	6166422	N	METHOD	1613B	IV
15-Dec-2010	SL-297-SA5B-SB-4.0-5.0	6166423	N	METHOD	1613B	IV
15-Dec-2010	SL-297-SA5B-SB-7.0-8.0	6166424	N	METHOD	1613B	IV

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB03-SA5B-121510

Collected: 12/15/2010 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	2.04	JBQ	0.477	MDL	9.94	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	3.03	JB	0.217	MDL	9.94	PQL	pg/L	UJ	B, I
1,2,3,4,7,8,9-HPCDF	0.623	JB	0.251	MDL	9.94	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.664	JB	0.451	MDL	9.94	PQL	pg/L	UJ	B, I
1,2,3,4,7,8-HxCDF	0.945	JB	0.305	MDL	9.94	PQL	pg/L	UJ	B, I
1,2,3,6,7,8-HxCDD	0.464	U	0.464	MDL	9.94	PQL	pg/L	UJ	I
1,2,3,6,7,8-HxCDF	0.462	JB	0.299	MDL	9.94	PQL	pg/L	UJ	B, I
1,2,3,7,8,9-HxCDD	0.733	JB	0.505	MDL	9.94	PQL	pg/L	UJ	B, I
1,2,3,7,8,9-HxCDF	0.692	JB	0.326	MDL	9.94	PQL	pg/L	UJ	B, I
1,2,3,7,8-PECDD	1.84	JB	0.909	MDL	9.94	PQL	pg/L	UJ	B, I
1,2,3,7,8-PECDF	1.08	JB	0.337	MDL	9.94	PQL	pg/L	UJ	B, I
2,3,4,6,7,8-HxCDF	0.896	JB	0.285	MDL	9.94	PQL	pg/L	UJ	B, I
2,3,4,7,8-PECDF	0.698	JBQ	0.284	MDL	9.94	PQL	pg/L	U	B
2,3,7,8-TCDD	1.99	U	1.99	MDL	1.99	PQL	pg/L	UJ	I
OCDD	3.45	JB	0.530	MDL	19.9	PQL	pg/L	U	B
OCDF	1.89	JBQ	0.505	MDL	19.9	PQL	pg/L	U	B

Sample ID: EB15-SA5B-121510

Collected: 12/15/2010 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	0.804	JB	0.227	MDL	11.2	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.904	JB	0.0894	MDL	11.2	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.310	JB	0.104	MDL	11.2	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDF	0.330	JB	0.118	MDL	11.2	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.337	JBQ	0.177	MDL	11.2	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDF	0.239	JB	0.112	MDL	11.2	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.275	JBQ	0.203	MDL	11.2	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.695	JBQ	0.463	MDL	11.2	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.254	JBQ	0.149	MDL	11.2	PQL	pg/L	U	B
2,3,4,6,7,8-HxCDF	0.404	JBQ	0.111	MDL	11.2	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.675	JB	0.124	MDL	11.2	PQL	pg/L	U	B
2,3,7,8-TCDD	1.42	U	1.42	MDL	2.23	PQL	pg/L	UJ	I
2,3,7,8-TCDF	0.180	JBQ	0.177	MDL	2.23	PQL	pg/L	U	B
OCDD	1.74	JBQ	0.222	MDL	22.3	PQL	pg/L	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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ADR version 1.4.0.111

Page 1 of 11

Data Qualifier Summary

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB15-SA5B-121510

Collected: 12/15/2010 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
OCDF	0.909	JBQ	0.200	MDL	22.3	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP06-SA5B-QC-121510

Collected: 12/15/2010 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-HPCDF	3.57	JB	0.0325	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.430	JB	0.0558	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.343	JBQ	0.0601	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.421	JB	0.0397	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.01	JB	0.0611	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.319	JB	0.0329	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.865	JB	0.0615	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.259	JB	0.0471	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.471	J	0.0593	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.481	JBQ	0.0401	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.485	JBQ	0.0386	MDL	5.26	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.746	JB	0.0427	MDL	5.26	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.377	J	0.0756	MDL	1.05	PQL	ng/Kg	J	Z
OCDF	8.34	JB	0.0460	MDL	10.5	PQL	ng/Kg	J	Z

Sample ID: SL-027-SA5B-SB-4.0-5.0

Collected: 12/15/2010 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	0.220	JBQ	0.0328	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.307	JB	0.0199	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0565	JBQ	0.0248	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0329	JBQ	0.0239	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0656	JBQ	0.0188	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0590	JBQ	0.0234	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.114	JBQ	0.0318	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0573	JBQ	0.0183	MDL	5.98	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-027-SA5B-SB-4.0-5.0

Collected: 12/15/2010 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
2,3,4,6,7,8-HXCDF	0.109	JBQ	0.0236	MDL	5.98	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0576	JBQ	0.0207	MDL	5.98	PQL	ng/Kg	U	B
OCDD	0.768	JB	0.0478	MDL	12.0	PQL	ng/Kg	U	B
OCDF	0.343	JBQ	0.0507	MDL	12.0	PQL	ng/Kg	U	B

Sample ID: SL-027-SA5B-SB-8.0-9.0

Collected: 12/15/2010 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	0.155	JBQ	0.0239	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.283	JBQ	0.0200	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0462	JBQ	0.0281	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0733	JBQ	0.0204	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0472	JBQ	0.0181	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0244	JBQ	0.0237	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0347	JBQ	0.0228	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0338	JBQ	0.0184	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0935	JBQ	0.0195	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0897	JBQ	0.0178	MDL	5.49	PQL	ng/Kg	U	B
OCDD	0.428	JBQ	0.0384	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.194	JB	0.0342	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-262-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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	3.75	JB	0.0305	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.379	JBQ	0.0455	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.433	JBQ	0.0509	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.312	JB	0.0354	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.859	JB	0.0501	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.364	JB	0.0303	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.895	JB	0.0497	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.198	JB	0.0395	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.363	JQ	0.0615	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.395	JB	0.0354	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.416	JB	0.0325	MDL	5.27	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-262-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
2,3,4,7,8-PECDF	0.549	JBQ	0.0347	MDL	5.27	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.279	JQ	0.0667	MDL	1.05	PQL	ng/Kg	J	Z
OCDD	214	B	0.0660	MDL	10.5	PQL	ng/Kg	J	Q
OCDF	8.41	JB	0.0562	MDL	10.5	PQL	ng/Kg	J	Z

Sample ID: SL-263-SA5B-SS-0.0-0.5

Collected: 12/15/2010 9:07:00

Analysis Type: 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	0.971	JB	0.0846	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.751	JB	0.0719	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.579	JB	0.0607	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.05	JB	0.0726	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.741	JB	0.0511	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.43	JB	0.0704	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.170	JBQ	0.0733	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.516	J	0.0818	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.696	JB	0.0446	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.784	JB	0.0585	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.646	JB	0.0488	MDL	5.33	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.170	JQ	0.0887	MDL	1.07	PQL	ng/Kg	J	Z

Sample ID: SL-264-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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-HPCDF	2.66	JB	0.0272	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.282	JB	0.0487	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.216	JBQ	0.0508	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.258	JBQ	0.0362	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.780	JB	0.0529	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.175	JB	0.0296	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.646	JB	0.0507	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.172	JBQ	0.0453	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.147	JQ	0.0492	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.247	JB	0.0287	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.282	JBQ	0.0345	MDL	5.36	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-264-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
2,3,4,7,8-PECDF	0.286	JBQ	0.0299	MDL	5.36	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0539	JQ	0.0474	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	6.50	JB	0.0498	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-297-SA5B-SB-4.0-5.0

Collected: 12/15/2010 4:00:00

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	0.535	JBQ	0.0282	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.200	JBQ	0.0134	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0393	JBQ	0.0257	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0353	JBQ	0.0274	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0562	JBQ	0.0161	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0865	JBQ	0.0264	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0922	JB	0.0232	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0352	JB	0.0196	MDL	5.76	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0213	JB	0.0191	MDL	5.76	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0509	JBQ	0.0200	MDL	5.76	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0361	J	0.0350	MDL	1.15	PQL	ng/Kg	J	Z
OCDD	3.80	JB	0.0349	MDL	11.5	PQL	ng/Kg	J	Z
OCDF	0.177	JBQ	0.0402	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-297-SA5B-SB-7.0-8.0

Collected: 12/15/2010 4:06:00

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	0.288	JBQ	0.0476	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.150	JB	0.0175	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0391	JB	0.0302	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0411	JBQ	0.0392	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0349	JBQ	0.0295	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0690	JBQ	0.0384	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0510	JBQ	0.0243	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0907	JB	0.0386	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.213	JB	0.0347	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0828	J	0.0614	MDL	6.00	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0615	JBQ	0.0282	MDL	6.00	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-297-SA5B-SB-7.0-8.0

Collected: 12/15/2010 4:06:00

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	0.0475	JBQ	0.0294	MDL	6.00	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0880	JBQ	0.0284	MDL	6.00	PQL	ng/Kg	U	B
OCDD	1.29	JBQ	0.0471	MDL	12.0	PQL	ng/Kg	U	B
OCDF	0.107	JB	0.0618	MDL	12.0	PQL	ng/Kg	U	B

Sample ID: SL-298-SA5B-SB-4.0-5.0

Collected: 12/15/2010 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	0.513	JBQ	0.0434	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.149	JBQ	0.0183	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0515	JBQ	0.0304	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.129	JBQ	0.0347	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0454	JBQ	0.0221	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.201	JB	0.0325	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.209	JBQ	0.0364	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0692	JQ	0.0454	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0986	JB	0.0252	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0898	JBQ	0.0269	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0661	JB	0.0287	MDL	5.67	PQL	ng/Kg	U	B
OCDD	2.40	JB	0.0440	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.205	JBQ	0.0700	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-298-SA5B-SS-9.0-10.0

Collected: 12/15/2010 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	0.0999	JBQ	0.0380	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0962	JB	0.0171	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0518	JBQ	0.0274	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0439	JBQ	0.0184	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0341	JB	0.0299	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0297	JB	0.0223	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0575	JQ	0.0411	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0335	JB	0.0227	MDL	5.32	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0440	JBQ	0.0179	MDL	5.32	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0715	JB	0.0221	MDL	5.32	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-298-SA5B-SS-9.0-10.0

Collected: 12/15/2010 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	0.0552	JQ	0.0461	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	0.357	JBQ	0.0460	MDL	10.6	PQL	ng/Kg	U	B
OCDF	0.153	JBQ	0.0457	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-302-SA5B-SS-0.0-0.5

Collected: 12/15/2010 9:49:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.29	JB	0.0572	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.86	JB	0.0587	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.880	JB	0.0520	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.06	JB	0.0483	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	4.26	JB	0.0597	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.571	JB	0.0560	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.963	J	0.0669	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.827	JB	0.0439	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.37	JB	0.0500	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.07	JB	0.0385	MDL	5.63	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.483	J	0.0734	MDL	1.13	PQL	ng/Kg	J	Z

Sample ID: SL-303-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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-HPCDF	1.93	JB	0.0345	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.175	JB	0.0444	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.209	JBQ	0.0561	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.196	JBQ	0.0361	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.31	JBQ	0.0569	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.211	JBQ	0.0322	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.47	JB	0.0547	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.27	JB	0.0384	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.178	J	0.0574	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.221	JBQ	0.0322	MDL	5.84	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.252	JB	0.0333	MDL	5.84	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.323	JB	0.0305	MDL	5.84	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0952	JQ	0.0520	MDL	1.17	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-303-SA5B-SS-0.0-0.5

Collected: 12/15/2010 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
OCDF	6.24	JB	0.0624	MDL	11.7	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX025

Method Blank Outlier Report

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371629	12/30/2010 4:29:00 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 2,3,7,8-TCDF OCDD OCDF	1.35 pg/L 1.41 pg/L 0.582 pg/L 0.485 pg/L 0.599 pg/L 0.512 pg/L 0.568 pg/L 0.483 pg/L 0.637 pg/L 0.684 pg/L 0.474 pg/L 0.505 pg/L 0.810 pg/L 2.81 pg/L 0.181 pg/L 2.39 pg/L 1.43 pg/L	EB03-SA5B-121510 EB15-SA5B-121510

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
EB03-SA5B-121510(RES)	1,2,3,4,6,7,8-HPCDD	2.04 pg/L	2.04U pg/L
EB03-SA5B-121510(RES)	1,2,3,4,6,7,8-HPCDF	3.03 pg/L	3.03U pg/L
EB03-SA5B-121510(RES)	1,2,3,4,7,8,9-HPCDF	0.623 pg/L	0.623U pg/L
EB03-SA5B-121510(RES)	1,2,3,4,7,8-HxCDD	0.664 pg/L	0.664U pg/L
EB03-SA5B-121510(RES)	1,2,3,4,7,8-HxCDF	0.945 pg/L	0.945U pg/L
EB03-SA5B-121510(RES)	1,2,3,6,7,8-HxCDF	0.462 pg/L	0.462U pg/L
EB03-SA5B-121510(RES)	1,2,3,7,8,9-HxCDD	0.733 pg/L	0.733U pg/L
EB03-SA5B-121510(RES)	1,2,3,7,8,9-HxCDF	0.692 pg/L	0.692U pg/L
EB03-SA5B-121510(RES)	1,2,3,7,8-PECDD	1.84 pg/L	1.84U pg/L
EB03-SA5B-121510(RES)	1,2,3,7,8-PECDF	1.08 pg/L	1.08U pg/L
EB03-SA5B-121510(RES)	2,3,4,6,7,8-HxCDF	0.896 pg/L	0.896U pg/L
EB03-SA5B-121510(RES)	2,3,4,7,8-PECDF	0.698 pg/L	0.698U pg/L
EB03-SA5B-121510(RES)	OCDD	3.45 pg/L	3.45U pg/L
EB03-SA5B-121510(RES)	OCDF	1.89 pg/L	1.89U pg/L
EB15-SA5B-121510(RES)	1,2,3,4,6,7,8-HPCDD	0.804 pg/L	0.804U pg/L
EB15-SA5B-121510(RES)	1,2,3,4,6,7,8-HPCDF	0.904 pg/L	0.904U pg/L
EB15-SA5B-121510(RES)	1,2,3,4,7,8,9-HPCDF	0.310 pg/L	0.310U pg/L
EB15-SA5B-121510(RES)	1,2,3,4,7,8-HxCDF	0.330 pg/L	0.330U pg/L
EB15-SA5B-121510(RES)	1,2,3,6,7,8-HxCDD	0.337 pg/L	0.337U pg/L
EB15-SA5B-121510(RES)	1,2,3,6,7,8-HxCDF	0.239 pg/L	0.239U pg/L
EB15-SA5B-121510(RES)	1,2,3,7,8,9-HxCDD	0.275 pg/L	0.275U pg/L
EB15-SA5B-121510(RES)	1,2,3,7,8-PECDD	0.695 pg/L	0.695U pg/L
EB15-SA5B-121510(RES)	1,2,3,7,8-PECDF	0.254 pg/L	0.254U pg/L
EB15-SA5B-121510(RES)	2,3,4,6,7,8-HxCDF	0.404 pg/L	0.404U pg/L
EB15-SA5B-121510(RES)	2,3,4,7,8-PECDF	0.675 pg/L	0.675U pg/L
EB15-SA5B-121510(RES)	2,3,7,8-TCDF	0.180 pg/L	0.180U pg/L
EB15-SA5B-121510(RES)	OCDD	1.74 pg/L	1.74U pg/L
EB15-SA5B-121510(RES)	OCDF	0.909 pg/L	0.909U pg/L

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371701	1/19/2011 5:01:00 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	0.218 ng/Kg 0.352 ng/Kg 0.0959 ng/Kg 0.0485 ng/Kg 0.114 ng/Kg 0.0470 ng/Kg 0.0761 ng/Kg 0.0541 ng/Kg 0.129 ng/Kg 0.0431 ng/Kg 0.111 ng/Kg 0.0990 ng/Kg 0.291 ng/Kg 0.310 ng/Kg	DUP06-SA5B-QC-121510 SL-027-SA5B-SB-4.0-5.0 SL-027-SA5B-SB-8.0-9.0 SL-262-SA5B-SS-0.0-0.5 SL-263-SA5B-SS-0.0-0.5 SL-264-SA5B-SS-0.0-0.5 SL-297-SA5B-SB-4.0-5.0 SL-297-SA5B-SB-7.0-8.0 SL-298-SA5B-SB-4.0-5.0 SL-298-SA5B-SS-9.0-10.0 SL-302-SA5B-SS-0.0-0.5 SL-303-SA5B-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
DUP06-SA5B-QC-121510(RES)	1,2,3,4,7,8,9-HPCDF	0.430 ng/Kg	0.430U ng/Kg
DUP06-SA5B-QC-121510(RES)	1,2,3,4,7,8-HxCDF	0.421 ng/Kg	0.421U ng/Kg
DUP06-SA5B-QC-121510(RES)	1,2,3,6,7,8-HxCDF	0.319 ng/Kg	0.319U ng/Kg
DUP06-SA5B-QC-121510(RES)	1,2,3,7,8,9-HxCDF	0.259 ng/Kg	0.259U ng/Kg
DUP06-SA5B-QC-121510(RES)	2,3,4,6,7,8-HxCDF	0.485 ng/Kg	0.485U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.220 ng/Kg	0.220U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.307 ng/Kg	0.307U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0565 ng/Kg	0.0565U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0329 ng/Kg	0.0329U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0656 ng/Kg	0.0656U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0590 ng/Kg	0.0590U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.114 ng/Kg	0.114U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0573 ng/Kg	0.0573U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.109 ng/Kg	0.109U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0576 ng/Kg	0.0576U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	OCDD	0.768 ng/Kg	0.768U ng/Kg
SL-027-SA5B-SB-4.0-5.0(RES)	OCDF	0.343 ng/Kg	0.343U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDD	0.155 ng/Kg	0.155U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDF	0.283 ng/Kg	0.283U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0462 ng/Kg	0.0462U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8-HxCDF	0.0733 ng/Kg	0.0733U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	1,2,3,6,7,8-HxCDF	0.0472 ng/Kg	0.0472U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8,9-HxCDD	0.0244 ng/Kg	0.0244U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8,9-HxCDF	0.0347 ng/Kg	0.0347U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8-PECDF	0.0338 ng/Kg	0.0338U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	2,3,4,6,7,8-HxCDF	0.0935 ng/Kg	0.0935U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	2,3,4,7,8-PECDF	0.0897 ng/Kg	0.0897U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	OCDD	0.428 ng/Kg	0.428U ng/Kg
SL-027-SA5B-SB-8.0-9.0(RES)	OCDF	0.194 ng/Kg	0.194U ng/Kg
SL-262-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.379 ng/Kg	0.379U ng/Kg
SL-262-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.312 ng/Kg	0.312U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_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-262-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.364 ng/Kg	0.364U ng/Kg
SL-262-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.198 ng/Kg	0.198U ng/Kg
SL-262-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.416 ng/Kg	0.416U ng/Kg
SL-263-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.170 ng/Kg	0.170U ng/Kg
SL-264-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.282 ng/Kg	0.282U ng/Kg
SL-264-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.216 ng/Kg	0.216U ng/Kg
SL-264-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.258 ng/Kg	0.258U ng/Kg
SL-264-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.175 ng/Kg	0.175U ng/Kg
SL-264-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.172 ng/Kg	0.172U ng/Kg
SL-264-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.282 ng/Kg	0.282U ng/Kg
SL-264-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.288 ng/Kg	0.286U ng/Kg
SL-297-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.535 ng/Kg	0.535U ng/Kg
SL-297-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.200 ng/Kg	0.200U ng/Kg
SL-297-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0393 ng/Kg	0.0393U ng/Kg
SL-297-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0353 ng/Kg	0.0353U ng/Kg
SL-297-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0562 ng/Kg	0.0562U ng/Kg
SL-297-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0865 ng/Kg	0.0865U ng/Kg
SL-297-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0922 ng/Kg	0.0922U ng/Kg
SL-297-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0352 ng/Kg	0.0352U ng/Kg
SL-297-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0213 ng/Kg	0.0213U ng/Kg
SL-297-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0509 ng/Kg	0.0509U ng/Kg
SL-297-SA5B-SB-4.0-5.0(RES)	OCDF	0.177 ng/Kg	0.177U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	0.288 ng/Kg	0.288U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.150 ng/Kg	0.150U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0391 ng/Kg	0.0391U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HxCDD	0.0411 ng/Kg	0.0411U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.0349 ng/Kg	0.0349U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HxCDD	0.0690 ng/Kg	0.0690U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDF	0.0510 ng/Kg	0.0510U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HxCDD	0.0907 ng/Kg	0.0907U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.213 ng/Kg	0.213U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.0615 ng/Kg	0.0615U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.0475 ng/Kg	0.0475U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0880 ng/Kg	0.0880U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	OCDD	1.29 ng/Kg	1.29U ng/Kg
SL-297-SA5B-SB-7.0-8.0(RES)	OCDF	0.107 ng/Kg	0.107U ng/Kg
SL-298-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.513 ng/Kg	0.513U ng/Kg
SL-298-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.149 ng/Kg	0.149U ng/Kg
SL-298-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0515 ng/Kg	0.0515U ng/Kg
SL-298-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.129 ng/Kg	0.129U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_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-298-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0454 ng/Kg	0.0454U ng/Kg
SL-298-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.201 ng/Kg	0.201U ng/Kg
SL-298-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.209 ng/Kg	0.209U ng/Kg
SL-298-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0986 ng/Kg	0.0986U ng/Kg
SL-298-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0898 ng/Kg	0.0898U ng/Kg
SL-298-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0661 ng/Kg	0.0661U ng/Kg
SL-298-SA5B-SB-4.0-5.0(RES)	OCDF	0.205 ng/Kg	0.205U ng/Kg
SL-298-SA5B-SS-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.0999 ng/Kg	0.0999U ng/Kg
SL-298-SA5B-SS-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0962 ng/Kg	0.0962U ng/Kg
SL-298-SA5B-SS-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0518 ng/Kg	0.0518U ng/Kg
SL-298-SA5B-SS-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0439 ng/Kg	0.0439U ng/Kg
SL-298-SA5B-SS-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0341 ng/Kg	0.0341U ng/Kg
SL-298-SA5B-SS-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0297 ng/Kg	0.0297U ng/Kg
SL-298-SA5B-SS-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0335 ng/Kg	0.0335U ng/Kg
SL-298-SA5B-SS-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0440 ng/Kg	0.0440U ng/Kg
SL-298-SA5B-SS-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0715 ng/Kg	0.0715U ng/Kg
SL-298-SA5B-SS-9.0-10.0(RES)	OCDD	0.357 ng/Kg	0.357U ng/Kg
SL-298-SA5B-SS-9.0-10.0(RES)	OCDF	0.153 ng/Kg	0.153U ng/Kg
SL-302-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.571 ng/Kg	0.571U ng/Kg
SL-303-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.175 ng/Kg	0.175U ng/Kg
SL-303-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.209 ng/Kg	0.209U ng/Kg
SL-303-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.196 ng/Kg	0.196U ng/Kg
SL-303-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.211 ng/Kg	0.211U ng/Kg
SL-303-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.252 ng/Kg	0.252U ng/Kg
SL-303-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.323 ng/Kg	0.323U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_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-262-SA5B-SS-0.0-0.5MS SL-262-SA5B-SS-0.0-0.5MSD (SL-262-SA5B-SS-0.0-0.5)	OCDD	180	165	40.00-135.00	-	OCDD	J (all detects)

Internal Standard Outlier Report

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB03-SA5B- 121510	13C-1,2,3,4,6,7,8-HpCDF	26	28.00-143.00	1,2,3,4,6,7,8-HpCDF	J (all detects) UJ (all non-detects)
	13C-1,2,3,4,7,8-HxCDD	22	32.00-141.00	1,2,3,4,7,8-HxCDD	
	13C-1,2,3,4,7,8-HxCDF	24	26.00-152.00	1,2,3,4,7,8-HxCDF	
	13C-1,2,3,6,7,8-HxCDD	21	28.00-130.00	1,2,3,6,7,8-HxCDD	
	13C-1,2,3,6,7,8-HxCDF	23	26.00-123.00	1,2,3,6,7,8-HxCDF	
	13C-1,2,3,7,8,9-HxCDD	20	28.00-130.00	1,2,3,7,8,9-HxCDD	
	13C-1,2,3,7,8,9-HxCDF	24	29.00-147.00	1,2,3,7,8,9-HxCDF	
	13C-1,2,3,7,8-PeCDD	16	25.00-181.00	1,2,3,7,8-PeCDD	
	13C-1,2,3,7,8-PeCDF	23	24.00-185.00	1,2,3,7,8-PeCDF	
	13C-1,2,7,8-TCDD (CRS)	15	35.00-197.00	2,3,4,6,7,8-HxCDF	
	13C-2,3,4,6,7,8-HxCDF	24	28.00-136.00	2,3,7,8-TCDD	
	13C-2,3,7,8-TCDD	5	25.00-164.00		
EB15-SA5B- 121510	13C-1,2,7,8-TCDD (CRS)	9	35.00-197.00	2,3,7,8-TCDD	J(all detects) UJ(all non-detects)
	13C-2,3,7,8-TCDD	6	25.00-164.00		

Field Duplicate RPD Report

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-262-SA5B-SS-0.0-0.5	DUP06-SA5B-QC-121510			
MOISTURE	5.2	5.0	4		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-262-SA5B-SS-0.0-0.5	DUP06-SA5B-QC-121510			
1,2,3,4,6,7,8-HPCDD	18.8	18.6	1	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	3.75	3.57	5	50.00	
1,2,3,4,7,8,9-HPCDF	0.379	0.430	13	50.00	
1,2,3,4,7,8-HxCDD	0.433	0.343	23	50.00	
1,2,3,4,7,8-HxCDF	0.312	0.421	30	50.00	
1,2,3,6,7,8-HxCDD	0.859	1.01	16	50.00	
1,2,3,6,7,8-HxCDF	0.364	0.319	13	50.00	
1,2,3,7,8,9-HxCDD	0.895	0.865	3	50.00	
1,2,3,7,8,9-HxCDF	0.198	0.259	27	50.00	
1,2,3,7,8-PECDD	0.363	0.471	26	50.00	
1,2,3,7,8-PECDF	0.395	0.481	20	50.00	
2,3,4,6,7,8-HxCDF	0.416	0.485	15	50.00	
2,3,4,7,8-PECDF	0.549	0.746	30	50.00	
2,3,7,8-TCDD	5.27	5.58	6	50.00	
2,3,7,8-TCDF	0.279	0.377	30	50.00	
OCDD	214	247	14	50.00	
OCDF	8.41	8.34	1	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB03-SA5B-121510	1,2,3,4,6,7,8-HPCDD	JBQ	2.04	9.94	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	3.03	9.94	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.623	9.94	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JB	0.664	9.94	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JB	0.945	9.94	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JB	0.462	9.94	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JB	0.733	9.94	PQL	pg/L	
	1,2,3,7,8,9-HxCDF	JB	0.692	9.94	PQL	pg/L	
	1,2,3,7,8-PECDD	JB	1.84	9.94	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	1.08	9.94	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JB	0.896	9.94	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.698	9.94	PQL	pg/L	
	OCDD	JB	3.45	19.9	PQL	pg/L	
	OCDF	JBQ	1.89	19.9	PQL	pg/L	
EB15-SA5B-121510	1,2,3,4,6,7,8-HPCDD	JB	0.804	11.2	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.904	11.2	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.310	11.2	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JB	0.330	11.2	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JBQ	0.337	11.2	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JB	0.239	11.2	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JBQ	0.275	11.2	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.695	11.2	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.254	11.2	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JBQ	0.404	11.2	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.675	11.2	PQL	pg/L	
	2,3,7,8-TCDF	JBQ	0.180	2.23	PQL	pg/L	
	OCDD	JBQ	1.74	22.3	PQL	pg/L	
	OCDF	JBQ	0.909	22.3	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP06-SA5B-QC-121510	1,2,3,4,6,7,8-HPCDF	JB	3.57	5.26	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.430	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.343	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.421	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.01	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.319	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.865	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.259	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.471	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.481	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.485	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.746	5.26	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.377	1.05	PQL	ng/Kg	
	OCDF	JB	8.34	10.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-027-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.220	5.98	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.307	5.98	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0565	5.98	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0329	5.98	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0656	5.98	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0590	5.98	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.114	5.98	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0573	5.98	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.109	5.98	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0576	5.98	PQL	ng/Kg	
	OCDD	JB	0.768	12.0	PQL	ng/Kg	
	OCDF	JBQ	0.343	12.0	PQL	ng/Kg	
SL-027-SA5B-SB-8.0-9.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.155	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.283	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0462	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0733	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0472	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0244	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0347	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0338	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0935	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0897	5.49	PQL	ng/Kg	
	OCDD	JBQ	0.428	11.0	PQL	ng/Kg	
	OCDF	JB	0.194	11.0	PQL	ng/Kg	
SL-262-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.75	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.379	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.433	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.312	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.859	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.364	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.895	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.198	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.363	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.395	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.416	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.549	5.27	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.279	1.05	PQL	ng/Kg	
	OCDF	JB	8.41	10.5	PQL	ng/Kg	
SL-263-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.971	5.33	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.751	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.579	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.05	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.741	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.43	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.170	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.516	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.696	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.784	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.646	5.33	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.170	1.07	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-264-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.66	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.282	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.216	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.258	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.780	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.175	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.646	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.172	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.147	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.247	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.282	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.286	5.36	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0539	1.07	PQL	ng/Kg	
	OCDF	JB	6.50	10.7	PQL	ng/Kg	
SL-297-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.535	5.76	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.200	5.76	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0393	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0353	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0562	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0865	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0922	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0352	5.76	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0213	5.76	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0509	5.76	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0361	1.15	PQL	ng/Kg	
	OCDD	JB	3.80	11.5	PQL	ng/Kg	
SL-297-SA5B-SB-7.0-8.0	OCDF	JBQ	0.177	11.5	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JBQ	0.288	6.00	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.150	6.00	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0391	6.00	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0411	6.00	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0349	6.00	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0690	6.00	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0510	6.00	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0907	6.00	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.213	6.00	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0828	6.00	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0615	6.00	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0475	6.00	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0880	6.00	PQL	ng/Kg	
	OCDD	JBQ	1.29	12.0	PQL	ng/Kg	
	OCDF	JB	0.107	12.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX025

Laboratory: LL

EDD Filename: DX025_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-298-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.513	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.149	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0515	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	JBQ	0.0454	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.201	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.209	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0692	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0986	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0898	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0661	5.67	PQL	ng/Kg	
	OCDD	JB	2.40	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.205	11.3	PQL	ng/Kg	
SL-298-SA5B-SS-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.0999	5.32	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0962	5.32	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0518	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0439	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0341	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0297	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0575	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0335	5.32	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0440	5.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0715	5.32	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0552	1.06	PQL	ng/Kg	
	OCDD	JBQ	0.357	10.6	PQL	ng/Kg	
	OCDF	JBQ	0.153	10.6	PQL	ng/Kg	
SL-302-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.29	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.86	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.880	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.06	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	4.26	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.571	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.963	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.827	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.37	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.07	5.63	PQL	ng/Kg	
SL-303-SA5B-SS-0.0-0.5	2,3,7,8-TCDF	J	0.483	1.13	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.93	5.84	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.175	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.209	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.196	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	1.31	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.211	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.47	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.27	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.178	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.221	5.84	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.252	5.84	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.323	5.84	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0952	1.17	PQL	ng/Kg	
	OCDF	JB	6.24	11.7	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: December 15, 2010

LDC Report Date: July 12, 2011

Matrix: Soil/Water

Parameters: Dioxins/Dibenzofurans

Validation Level: Level IV

Laboratory: Lancaster Laboratories

Sample Delivery Group (SDG): DX025

Sample Identification

SL-303-SA5B-SS-0.0-0.5
SL-262-SA5B-SS-0.0-0.5
DUP06-SA5B-QC-121510
SL-302-SA5B-SS-0.0-0.5
SL-263-SA5B-SS-0.0-0.5
SL-264-SA5B-SS-0.0-0.5
SL-027-SA5B-SB-4.0-5.0
SL-027-SA5B-SB-8.0-9.0
EB03-SA5B-121510
EB15-SA5B-121510
SL-298-SA5B-SB-4.0-5.0
SL-298-SA5B-SS-9.0-10.0
SL-297-SA5B-SB-4.0-5.0
SL-297-SA5B-SB-7.0-8.0
SL-262-SA5B-SS-0.0-0.5MS
SL-262-SA5B-SS-0.0-0.5MSD

Introduction

This data review covers 14 soil samples and 2 water samples 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.
- N Presumptive evidence of presence of the constituent.
- 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 30.0% 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 less than or equal to 20.0% for unlabeled compounds and less than or equal to 30.0% for labeled compounds.

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	ASBociated Samples
BLANKA	1/7/11	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 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0485 ng/Kg 0.0470 ng/Kg 0.0541 ng/Kg 0.218 ng/Kg 0.291 ng/Kg 0.0431 ng/Kg 0.0990 ng/Kg 0.114 ng/Kg 0.0761 ng/Kg 0.111 ng/Kg 0.129 ng/Kg 0.352 ng/Kg 0.0959 ng/Kg 0.310 ng/Kg	All soil samples in SDG DX025
BLANKA	12/28/10	2,3,7,8-TCDD 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 2,3,7,8-TCDF 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	2.81 pg/L 0.684 pg/L 0.485 pg/L 0.512 pg/L 0.483 pg/L 1.35 pg/L 2.39 pg/L 0.181 pg/L 0.474 pg/L 0.810 pg/L 0.599 pg/L 0.568 pg/L 0.505 pg/L 0.637 pg/L 1.41 pg/L 0.582 pg/L 1.43 pg/L	All water samples in SDG DX025

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 aSBociated method blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-303-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HxCDD 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 1,2,3,4,7,8,9-HpCDF	0.209 ng/Kg 0.323 ng/Kg 0.196 ng/Kg 0.211 ng/Kg 0.252 ng/Kg 0.175 ng/Kg	0.209U ng/Kg 0.323U ng/Kg 0.196U ng/Kg 0.211U ng/Kg 0.252U ng/Kg 0.175U ng/Kg
SL-262-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HxCDF 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	0.312 ng/Kg 0.364 ng/Kg 0.416 ng/Kg 0.198 ng/Kg 0.379 ng/Kg	0.312U ng/Kg 0.364U ng/Kg 0.416U ng/Kg 0.198U ng/Kg 0.379U ng/Kg
DUP06-SA5B-QC-121510	1,2,3,4,7,8-HxCDF 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	0.421 ng/Kg 0.319 ng/Kg 0.485 ng/Kg 0.259 ng/Kg 0.430 ng/Kg	0.421U ng/Kg 0.319U ng/Kg 0.485U ng/Kg 0.259U ng/Kg 0.430U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-302-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HxCDF	0.571 ng/Kg	0.571U ng/Kg
SL-263-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HxCDF	0.170 ng/Kg	0.170U ng/Kg
SL-264-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HxCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.216 ng/Kg 0.286 ng/Kg 0.258 ng/Kg 0.175 ng/Kg 0.282 ng/Kg 0.172 ng/Kg 0.282 ng/Kg	0.216U ng/Kg 0.286U ng/Kg 0.258U ng/Kg 0.175U ng/Kg 0.282U ng/Kg 0.172U ng/Kg 0.282U ng/Kg
SL-027-SA5B-SB-4.0-5.0	1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.0329 ng/Kg 0.0590 ng/Kg 0.220 ng/Kg 0.768 ng/Kg 0.0573 ng/Kg 0.0576 ng/Kg 0.0565 ng/Kg 0.0656 ng/Kg 0.109 ng/Kg 0.114 ng/Kg 0.307 ng/Kg 0.343 ng/Kg	0.0329U ng/Kg 0.0590U ng/Kg 0.220U ng/Kg 0.768U ng/Kg 0.0573U ng/Kg 0.0576U ng/Kg 0.0565U ng/Kg 0.0656U ng/Kg 0.109U ng/Kg 0.114U ng/Kg 0.307U ng/Kg 0.343U ng/Kg
SL-027-SA5B-SB-8.0-9.0	1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0244 ng/Kg 0.155 ng/Kg 0.428 ng/Kg 0.0338 ng/Kg 0.0897 ng/Kg 0.0733 ng/Kg 0.0472 ng/Kg 0.0935 ng/Kg 0.0347 ng/Kg 0.283 ng/Kg 0.0462 ng/Kg 0.194 ng/Kg	0.0244U ng/Kg 0.155U ng/Kg 0.428U ng/Kg 0.0338U ng/Kg 0.0897U ng/Kg 0.0733U ng/Kg 0.0472U ng/Kg 0.0935U ng/Kg 0.0347U ng/Kg 0.283U ng/Kg 0.0462U ng/Kg 0.194U ng/Kg
SL-298-SA5B-SB-4.0-5.0	1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,7,8-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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.129 ng/Kg 0.201 ng/Kg 0.513 ng/Kg 0.0986 ng/Kg 0.0661 ng/Kg 0.0515 ng/Kg 0.0454 ng/Kg 0.0898 ng/Kg 0.209 ng/Kg 0.149 ng/Kg 0.205 ng/Kg	0.129U ng/Kg 0.201U ng/Kg 0.513U ng/Kg 0.0986U ng/Kg 0.0661U ng/Kg 0.0515U ng/Kg 0.0454U ng/Kg 0.0898U ng/Kg 0.209U ng/Kg 0.149U ng/Kg 0.205U ng/Kg
SL-298-SA5B-SS-9.0-10.0	1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0341 ng/Kg 0.0999 ng/Kg 0.357 ng/Kg 0.0335 ng/Kg 0.0715 ng/Kg 0.0439 ng/Kg 0.0440 ng/Kg 0.0297 ng/Kg 0.0962 ng/Kg 0.0518 ng/Kg 0.153 ng/Kg	0.0341U ng/Kg 0.0999U ng/Kg 0.357U ng/Kg 0.0335U ng/Kg 0.0715U ng/Kg 0.0439U ng/Kg 0.0440U ng/Kg 0.0297U ng/Kg 0.0962U ng/Kg 0.0518U ng/Kg 0.153U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-297-SA5B-SB-4.0-5.0	1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,7,8-PeCDF 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 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0353 ng/Kg 0.0865 ng/Kg 0.535 ng/Kg 0.0352 ng/Kg 0.0509 ng/Kg 0.0562 ng/Kg 0.0213 ng/Kg 0.0922 ng/Kg 0.200 ng/Kg 0.0393 ng/Kg 0.177 ng/Kg	0.0353U ng/Kg 0.0865U ng/Kg 0.535U ng/Kg 0.0352U ng/Kg 0.0509U ng/Kg 0.0562U ng/Kg 0.0213U ng/Kg 0.0922U ng/Kg 0.200U ng/Kg 0.0393U ng/Kg 0.177U ng/Kg
SL-297-SA5B-SB-7.0-8.0	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 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0411 ng/Kg 0.0690 ng/Kg 0.0907 ng/Kg 0.288 ng/Kg 1.29 ng/Kg 0.0615 ng/Kg 0.0880 ng/Kg 0.0349 ng/Kg 0.0510 ng/Kg 0.0475 ng/Kg 0.213 ng/Kg 0.150 ng/Kg 0.0391 ng/Kg 0.107 ng/Kg	0.0411U ng/Kg 0.0690U ng/Kg 0.0907U ng/Kg 0.288U ng/Kg 1.29U ng/Kg 0.0615U ng/Kg 0.0880U ng/Kg 0.0349U ng/Kg 0.0510U ng/Kg 0.0475U ng/Kg 0.213U ng/Kg 0.150U ng/Kg 0.0391U ng/Kg 0.107U ng/Kg
EB03-SA5B-121510	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	1.84 pg/L 0.664 pg/L 0.733 pg/L 2.04 pg/L 3.45 pg/L 1.08 pg/L 0.698 pg/L 0.945 pg/L 0.462 pg/L 0.896 pg/L 0.692 pg/L 3.03 pg/L 0.623 pg/L 1.89 pg/L	1.84U pg/L 0.664U pg/L 0.733U pg/L 2.04U pg/L 3.45U pg/L 1.08U pg/L 0.698U pg/L 0.945U pg/L 0.462U pg/L 0.896U pg/L 0.692U pg/L 3.03U pg/L 0.623U pg/L 1.89U pg/L
EB15-SA5B-121510	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-HpCDD OCDD 2,3,7,8-TCDF 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 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.695 pg/L 0.337 pg/L 0.275 pg/L 0.804 pg/L 1.74 pg/L 0.180 pg/L 0.254 pg/L 0.675 pg/L 0.330 pg/L 0.239 pg/L 0.404 pg/L 0.904 pg/L 0.310 pg/L 0.909 pg/L	0.695U pg/L 0.337U pg/L 0.275U pg/L 0.804U pg/L 1.74U pg/L 0.180U pg/L 0.254U pg/L 0.675U pg/L 0.330U pg/L 0.239U pg/L 0.404U pg/L 0.904U pg/L 0.310U pg/L 0.909U pg/L

Samples EB03-SA5B-121510 and EB15-SA5B-121510 were identified as equipment blanks. No polychlorinated dioxin/dibenzofuran contaminants were found in these blanks with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	ASBociated Samples
EB03-SA5B-121510	12/15/11	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-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	1.84 pg/L 0.664 pg/L 0.733 pg/L 2.04 pg/L 3.45 pg/L 1.08 pg/L 0.698 pg/L 0.945 pg/L 0.462 pg/L 0.692 pg/L 0.896 pg/L 3.03 pg/L 0.623 pg/L 1.89 pg/L	All soil samples in SDG DX025
EB15-SA5B-121510	12/15/11	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-HpCDD OCDD 2,3,7,8-TCDF 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 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.695 pg/L 0.337 pg/L 0.275 pg/L 0.804 pg/L 1.74 pg/L 0.180 pg/L 0.254 pg/L 0.675 pg/L 0.330 pg/L 0.239 pg/L 0.404 pg/L 0.904 pg/L 0.310 pg/L 0.909 pg/L	All soil samples in SDG DX025

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 aSBociated 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 (ASBociated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
SL-262-SA5B-SS-0.0-0.5MS/MSD (SL-262-SA5B-SS-0.0-0.5)	OCDD	180 (40-135)	165 (40-135)	-	J (all 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 with the following exceptions:

Sample	Internal Standards	%R (Limits)	Compound	Flag	A or P
EB03-SA5B-121510	¹³ C-2,3,7,8-TCDD ¹³ C-1,2,3,7,8-PeCDD ¹³ C-1,2,3,4,7,8-HxCDD ¹³ C-1,2,3,6,7,8-HxCDD ¹³ C-1,2,3,7,8,9-HxCDD ¹³ C-1,2,3,7,8-PeCDF ¹³ C-1,2,3,4,7,8-HxCDF ¹³ C-1,2,3,6,7,8-HxCDF ¹³ C-2,3,4,6,7,8-HxCDF ¹³ C-1,2,3,7,8,9-HxCDF ¹³ C-1,2,3,4,6,7,8-HpCDF	5 (25-164) 16 (25-181) 22 (32-141) 21 (28-130) 20 (28-130) 23 (24-185) 24 (26-152) 23 (26-123) 24 (28-136) 24 (29-147) 26 (28-143)	2,3,7,8-TCDD 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 1,2,3,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF	J (all detects) UJ (all non-detects)	P
EB15-SA5B-121510	¹³ C-2,3,7,8-TCDD	6 (25-164)	2,3,7,8-TCDD	J (all detects) UJ (all non-detects)	P
BLANKA10362001	¹³ C-2,3,7,8-TCDD	6 (25-164)	2,3,7,8-TCDD	J (all detects) UJ (all non-detects)	P

X. Target Compound Identifications

All target compound identifications were within validation criteria.

XI. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria.

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG DX025	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-262-SA5B-SB-0.0-0.5 and DUP06-SA5B-QC-121510 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-262-SA5B-SB-0.0-0.5	DUP06-SA5B-QC-121510			
2,3,7,8-TCDD	5.27	5.58	6 (≤50)	-	-
1,2,3,7,8-PeCDD	0.363	0.471	26 (≤50)	-	-
1,2,3,4,7,8-HxCDD	0.433	0.343	23 (≤50)	-	-
1,2,3,6,7,8-HxCDD	0.859	1.01	16 (≤50)	-	-
1,2,3,7,8,9-HxCDD	0.895	0.865	3 (≤50)	-	-
1,2,3,4,6,7,8-HpCDD	18.8	18.6	1 (≤50)	-	-
OCDD	214	247	14 (≤50)	-	-
2,3,7,8-TCDF	0.279	0.377	30 (≤50)	-	-
1,2,3,7,8-PeCDF	0.395	0.481	20 (≤50)	-	-
2,3,4,7,8-PeCDF	0.549	0.746	30 (≤50)	-	-
1,2,3,4,7,8-HxCDF	0.312	0.421	30 (≤50)	-	-
1,2,3,6,7,8-HxCDF	0.364	0.319	13 (≤50)	-	-
1,2,3,7,8,9-HxCDF	0.198	0.259	27 (≤50)	-	-
2,3,4,6,7,8-HxCDF	0.416	0.485	15 (≤50)	-	-
1,2,3,4,6,7,8-HpCDF	3.75	3.57	5 (≤50)	-	-
1,2,3,4,7,8,9-HpCDF	0.379	0.430	13 (≤50)	-	-
OCDF	8.41	8.34	1 (≤50)	-	-

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Data Qualification Summary - SDG DX025

SDG	Sample	Compound	Flag	A or P	Reason (Code)
DX025	SL-262-SA5B-SS-0.0-0.5	OCDD	J (all detects)	A	Matrix spike/Matrix spike duplicate (%R) (Q)
DX025	EB03-SA5B-121510	2,3,7,8-TCDD 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 1,2,3,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF	J (all detects) UJ (all non-detects)	P	Internal standards (%R) (I)
DX025	EB15-SA5B-121510	2,3,7,8-TCDD	J (all detects) UJ (all non-detects)	P	Internal standards (%R) (I)
DX025	SL-303-SA5B-SS-0.0-0.5 SL-262-SA5B-SS-0.0-0.5 DUP06-SA5B-QC-121510 SL-302-SA5B-SS-0.0-0.5 SL-263-SA5B-SS-0.0-0.5 SL-264-SA5B-SS-0.0-0.5 SL-027-SA5B-SB-4.0-5.0 SL-027-SA5B-SB-8.0-9.0 EB03-SA5B-121510 EB15-SA5B-121510 SL-298-SA5B-SB-4.0-5.0 SL-298-SA5B-SS-9.0-10.0 SL-297-SA5B-SB-4.0-5.0 SL-297-SA5B-SB-7.0-8.0	All compounds reported below the RL.	J (all detects)	A	Compound quantitation and CRQLs (Z)

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Laboratory Blank Data Qualification Summary - SDG DX025

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX025	SL-303-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HxCDD 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 1,2,3,4,7,8,9-HpCDF	0.209U ng/Kg 0.323U ng/Kg 0.196U ng/Kg 0.211U ng/Kg 0.252U ng/Kg 0.175U ng/Kg	A	B
DX025	SL-262-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HxCDF 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	0.312U ng/Kg 0.364U ng/Kg 0.416U ng/Kg 0.198U ng/Kg 0.379U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX025	DUP06-SA5B-QC-121510	1,2,3,4,7,8-HxCDF 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	0.421U ng/Kg 0.319U ng/Kg 0.485U ng/Kg 0.259U ng/Kg 0.430U ng/Kg	A	B
DX025	SL-302-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HxCDF	0.571U ng/Kg	A	B
DX025	SL-263-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HxCDF	0.170U ng/Kg	A	B
DX025	SL-264-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HxCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.216U ng/Kg 0.286U ng/Kg 0.258U ng/Kg 0.175U ng/Kg 0.282U ng/Kg 0.172U ng/Kg 0.282U ng/Kg	A	B
DX025	SL-027-SA5B-SB-4.0-5.0	1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.0329U ng/Kg 0.0590U ng/Kg 0.220U ng/Kg 0.768U ng/Kg 0.0573U ng/Kg 0.0576U ng/Kg 0.0565U ng/Kg 0.0656U ng/Kg 0.109U ng/Kg 0.114U ng/Kg 0.307U ng/Kg 0.343U ng/Kg	A	B
DX025	SL-027-SA5B-SB-8.0-9.0	1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0244U ng/Kg 0.155U ng/Kg 0.428U ng/Kg 0.0338U ng/Kg 0.0897U ng/Kg 0.0733U ng/Kg 0.0472U ng/Kg 0.0935U ng/Kg 0.0347U ng/Kg 0.283U ng/Kg 0.0462U ng/Kg 0.194U ng/Kg	A	B
DX025	SL-298-SA5B-SB-4.0-5.0	1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,7,8-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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.129U ng/Kg 0.201U ng/Kg 0.513U ng/Kg 0.0986U ng/Kg 0.0661U ng/Kg 0.0515U ng/Kg 0.0454U ng/Kg 0.0898U ng/Kg 0.209U ng/Kg 0.149U ng/Kg 0.205U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX025	SL-298-SA5B-SS-9.0-10.0	1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0341U ng/Kg 0.0999U ng/Kg 0.357U ng/Kg 0.0335U ng/Kg 0.0715U ng/Kg 0.0439U ng/Kg 0.0440U ng/Kg 0.0297U ng/Kg 0.0962U ng/Kg 0.0518U ng/Kg 0.153U ng/Kg	A	B
DX025	SL-297-SA5B-SB-4.0-5.0	1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD 1,2,3,7,8-PeCDF 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 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0353U ng/Kg 0.0865U ng/Kg 0.535U ng/Kg 0.0352U ng/Kg 0.0509U ng/Kg 0.0562U ng/Kg 0.0213U ng/Kg 0.0922U ng/Kg 0.200U ng/Kg 0.0393U ng/Kg 0.177U ng/Kg	A	B
DX025	SL-297-SA5B-SB-7.0-8.0	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 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0411U ng/Kg 0.0690U ng/Kg 0.0907U ng/Kg 0.288U ng/Kg 1.29U ng/Kg 0.0615U ng/Kg 0.0880U ng/Kg 0.0349U ng/Kg 0.0510U ng/Kg 0.0475U ng/Kg 0.213U ng/Kg 0.150U ng/Kg 0.0391U ng/Kg 0.107U ng/Kg	A	B
DX025	EB03-SA5B-121510	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	1.84U pg/L 0.664U pg/L 0.733U pg/L 2.04U pg/L 3.45U pg/L 1.08U pg/L 0.698U pg/L 0.945U pg/L 0.462U pg/L 0.896U pg/L 0.692U pg/L 3.03U pg/L 0.623U pg/L 1.89U pg/L	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX025	EB15-SA5B-121510	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-HpCDD OCDD 2,3,7,8-TCDF 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 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.695U pg/L 0.337U pg/L 0.275U pg/L 0.804U pg/L 1.74U pg/L 0.180U pg/L 0.254U pg/L 0.675U pg/L 0.330U pg/L 0.239U pg/L 0.404U pg/L 0.904U pg/L 0.310U pg/L 0.909U pg/L	A	B

Santa Susana Field Laboratory

Dioxins/Dibenzofurans - Field Blank Data Qualification Summary - SDG DX025

No Sample Data Qualified in this SDG

LDC # 2013102

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

Y	N	N/A

V:\Validation Worksheets\Dioxin16\INTST16.wpd

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

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

Y N NA
Y N NA

Were field duplicate pairs identified in this SDG?

Were target analytes detected in the field duplicate pairs?

Compound	Concentration (ng/kg)		(≤50) RPD	Qualifications (Parent Only)
	2	3		
A	5.27	5.58	6	No Qual
B	0.363 *	0.471	26	
C	0.433 *	0.343 *	23	
D	0.859	1.01	16	
E	0.895	0.865	3	
F	18.8	18.6	1	
G	214	247	14	
H	0.279 *	0.377	30	
I	0.395	0.481 *	20	
J	0.549 *	0.746	30	
K	0.312	0.421	30	
L	0.364	0.319	13	
N	0.198	0.259	27	
M	0.416	0.485 *	15	
O	3.75	3.57	5	
P	0.379 *	0.430	13	
Q	8.41	8.34	1	

VALIDATION FINDINGS WORKSHEET **Initial Calibration Calculation Verification**

Page: 1 of 1
 Reviewer: [Signature]
 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:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

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

A_x = Area of compound,

C_x = 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

X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				Average RRF (initial)	Average RRF (initial)	RRF (CS3 std)	RRF (CS3 std)	%RSD	%RSD
1	ICAL	10/26/10	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.024	1.024	1.010	1.010	3.60	3.60
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.131	1.131	1.078	1.078	9.43	9.41
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.969	0.969	1.002	1.002	2.30	2.30
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.039	1.039	1.065	1.065	2.17	2.16
			OCDF (¹³ C-OCDF)	0.962	0.962	0.975	0.975	1.13	1.14
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 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

Page: 1 of 2
Reviewer: [Signature]
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:

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

$$\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$$

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)	Average RRF (initial)	Reported		Recalculated		Reported		Recalculated	
					RRF (CC)		RRF (CC)		%R		%R	
1	CS3CC02	12/30/10	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.024	9.770		9.763		98		98	
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.131	9.740		9.740		97		97	
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.969	49.930		49.945		100		100	
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.039	50.550		50.565		101		101	
			OCDF (¹³ C-OCDF)	0.962	108.280		108.308		108		108	
2	CS3CC02	1/19/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.024	9.940		9.941		99		99	
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.131	10.110		10.111		101		101	
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.969	50.860		50.869		102		102	
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.039	51.890		51.911		104		104	
			OCDF (¹³ C-OCDD)	0.962	103.260		103.289		103		103	
3	CS3CC02	1/20/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.024	9.900		9.894		99		99	
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.131	9.940		9.946		99		99	
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.969	51.060		51.072		102		102	
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.039	50.300		50.320		101		101	
			OCDF (¹³ C-OCDD)	0.962	101.720		101.744		102		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 # 0573702

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: 9
2nd Reviewer: A

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA 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 = $100 * (SSR - SR) / SA$ Where: SSR = Spiked sample result, SR = Sample result
SA = Spike added

RPD = $100 * |MSR - MSDR| / (MSR + MSDR)$ MSR = Matrix spike percent recovery MSDR = Matrix spike duplicate percent recovery

MS/MSD samples: 15/16

Compound	Spike Added (ug/g)		Sample Concentration (ug/g)	Spiked Sample Concentration (ug/g)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		Reported RPD	Recalculated RPD
	MS	MSD		MS	MSD	Reported	Recalc	Reported	Recalc		
2,3,7,8-TCDD	21.1	21.1	5.27	29.7	27.2	116	116	104	104	9	9
1,2,3,7,8-PeCDD	105	105	0.363	113	114	106	106	108	108	1	1
1,2,3,4,7,8-HxCDD	✓	✓	0.433	116	117	109	109	111	111	1	1
1,2,3,4,7,8,9-HpCDF	✓	✓	0.379	116	115	110	110	108	108	1	1
OCDF	211	211	8.41	237	256	108	108	118	118	8	8

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.

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

METHOD: GC/MS Dioxins/Dibenzofurans (EPA 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 = $100 \times \text{SSC}/\text{SA}$
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: 10362001209A

[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.

LDC #:

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer: Q

2nd reviewer: A

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

Y ~~N~~ N/A

Y	N	N/A

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

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

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

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. 3, A:

$$\text{Conc.} = \frac{(19875)(2000)(10.0)}{(66128)(1.731)(6.95)}$$

$$= 5.58 \text{ ng/kg}$$

[illegible]

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: 12/15/10
II.	HRGC/HRMS Instrument performance check	A	
III.	Initial calibration	A	
IV.	Routine calibration/IX	A	QC limits
V.	Blanks	W	
VI.	Matrix spike/Matrix spike duplicates	W	
VII.	Laboratory control samples	A	LOS
VIII.	Regional quality assurance and quality control	N	
IX.	Internal standards	W	
X.	Target compound identifications	A	
XI.	Compound quantitation and CRQLs	A	
XII.	System performance	A	
XIII.	Overall assessment of data	A	
XIV.	Field duplicates	W	D = 2 + 3
XV.	Field blanks	W	EB = 9.10.

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples:

all soils except 9-10

1	SL-303-SA5B-SS-0.0-0.5	11	SL-298-SA5B-SS-4.0-5.0	21	BLANKA	31	BLANKA (1036200)
2	SL-262-SA5B-SS-0.0-0.5	12	SL-298-SA5B-SS-9.0-10.0	22		32	BLANKA (1000700)
3	DUP06-SA5B-QC-121510	13	SL-297-SA5B-SS-4.0-5.0	23		33	
4	SL-302-SA5B-SS-0.0-0.5	14	SL-297-SA5B-SS-7.0-8.0	24		34	
5	SL-263-SA5B-SS-0.0-0.5	15	SL-262-SA5B-SS-0.0-0.5MS	25		35	
6	SL-264-SA5B-SS-0.0-0.5	16	SL-262-SA5B-SS-0.0-0.5MSD	26		36	
7	SL-027-SA5B-SS-4.0-5.0	17		27		37	
8	SL-027-SA5B-SS-8.0-9.0	18		28		38	
9	EB03-SA5B-121510	19		29		39	
10	EB15-SA5B-121510	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?		/		
Were the performance evaluation (PE) samples within the acceptance limits?			/	
IX. Internal standards				
Were internal standard recoveries within the ^{RC} 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 ≥ 2.5 ?	/			
Does the maximum intensity of each specified characteristic ion coincide within ± 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

Notes:

VALIDATION FINDINGS WOR/UHEET

Blanks

Reviewer: Q2nd Reviewer: Q

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

Blank extraction date: 1/7/11 Blank analysis date: 1/19/11

Associated samples: All Soils (B)

Conc. units: ng/kg

Compound	Blank ID	Sample Identification											
		5X	1	2	3	4	5	6	7	8	11	12	13
	BLANKA												
C	0.0485 *	0.2425	0.209 */U					0.216 */U					
D	0.0470 *	0.235							0.0329 */U		0.129 */U		0.0353 */U
E	0.0541	0.2705							0.0590 */U	0.0244 */U	0.201/U	0.0341/U	0.0865 */U
F	0.218 *	1.09							0.220 */U	0.155 */U	0.513 */U	0.0999 */U	0.535 */U
G	0.291 *	1.455							0.768/U	0.428 */U		0.357 */U	
I	0.0431 *	0.2155							0.0573 */U	0.0338 */U	0.0986/U	0.0335/U	0.0352/U
J	0.0990 *	0.495	0.323/U					0.286 */U	0.0576 */U	0.0897 */U	0.0661/U	0.0715/U	0.0509 */U
K	0.114 *	0.57	0.196 */U	0.312/U	0.421/U			0.258 */U	0.0565 */U	0.0733 */U	0.0515 */U	0.0439 */U	
L	0.0761 *	0.3805	0.211 */U	0.364/U	0.319/U			0.175/U	0.0656 */U	0.0472 */U	0.0454 */U		0.0562 */U
M	0.111 *	0.555	0.252/U	0.416/U	0.485 */U			0.282 */U	0.109 */U	0.0935 */U	0.0898 */U	0.0440 */U	0.0213/U
N	0.129 *	0.645		0.198/U	0.259/U	0.571/U	0.170 */U	0.172 */U	0.114 */U	0.0347 */U	0.209 */U	0.0297/U	0.0922/U
O	0.352	1.76							0.307/U	0.283 */U	0.149 */U	0.0962/U	0.200 */U
P	0.0959 *	0.4795	0.175/U	0.379 */U	0.430/U			0.282/U		0.0462 */U		0.0518 */U	0.0393 */U
Q	0.310 *	1.55							0.343 */U	0.194/U	0.205 */U	0.153 */U	0.177 */U

* EMPC

ALL RESULTS WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

offens > 5x or NO

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

Blank extraction date: 1/7/11 Blank analysis date: 1/19/11

Associated samples: All Soils (B)

Compound	Blank ID	Sample Identification													
		5X	14												
	BLANKA														
C	0.0485 *	0.2425	0.0411 */U												
D	0.0470 *	0.235	0.0690 */U												
E	0.0541	0.2705	0.0907/U												
F	0.218 *	1.09	0.288 */U												
G	0.291 *	1.455	1.29/U												
I	0.0431 *	0.2155	0.0615 */U												
J	0.0990 *	0.495	0.0880 */U												
K	0.114 *	0.57	0.0349 */U												
L	0.0761 *	0.3805	0.0510 */U												
M	0.111 *	0.555	0.0475 */U												
N	0.129 *	0.645	0.213/U												
O	0.352	1.76	0.150/U												
P	0.0959 *	0.4795	0.0391/U												
Q	0.310 *	1.55	0.107/U												

* EMPC

ALL RESULTS WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

others > 5X or ND

VALIDATION FINDINGS WOR/UHEET
Blanks

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

Blank extraction date: 12/28/10 Blank analysis date: 12/30/10

Conc. units: pg/L Associated samples: All H₂O (B)

Compound	Blank ID	Sample Identification									
		5X	9	10							
	BLANKA										
A	2.81	14.05									
B	0.684 *	3.42	1.84/U	0.695 */U							
C	0.485 *	2.425	0.664/U								
D	0.512 *	2.56		0.337 */U							
E	0.483	2.415	0.733/U	0.275 */U							
F	1.35 *	6.75	2.04 */U	0.804/U							
G	2.39	11.95	3.45/U	1.74 */U							
H	0.181	0.905		0.180 */U							
I	0.474	2.37	1.08/U	0.254 */U							
J	0.810 *	4.05	0.698 */U	0.675/U							
K	0.599 *	2.995	0.945/U	0.330/U							
L	0.568 *	2.84	0.462/U	0.239/U							
M	0.505	2.525	0.896/U	0.404 */U							
N	0.637 *	3.185	0.692/U								
O	1.41	7.05	3.03/U	0.904/U							
P	0.582 *	2.91	0.623/U	0.310/U							
Q	1.43 *	7.15	1.89 */U	0.909 */U							

* EMPC

ALL RESULTS WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

VALIDATION FINDINGS WORKSHEET

Field Blanks

Page: 1 of 1

Reviewer: 9

2nd Reviewer: A

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

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

Sampling date: 12/15/11

Field blank type: (circle one) Field Blank / Rinsate / Other:

Associated Samples: All soils (>5X)

Compound	Blank ID	Blank ID
	9	10
B	1.84	0.695 *
C	0.664	
D		0.337 *
E	0.733	0.275 *
F	2.04 *	0.804
G	3.45	1.74 *
H		0.180 *
I	1.08	0.254 *
J	0.698 *	0.675
K	0.945	0.330
L	0.462	0.239
N	0.692	
M	0.896	0.404 *
O	3.03	0.904
P	0.623	0.310
Q	1.89	0.909 *

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".

MS/MSD, Soil / Water.
Was a MS/MSD analyzed every 20 samples of each matrix?

MSD16b.wpd

SAMPLE DELIVERY GROUP

DX026

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
16-Dec-2010	SL-147-SA5B-SS-0.0-0.5	6167497	N	METHOD	1613B	III
16-Dec-2010	SL-178-SA5B-SS-0.0-0.5	6167502	N	METHOD	1613B	III
16-Dec-2010	SL-176-SA5B-SS-0.0-0.5	6167501	N	METHOD	1613B	III
16-Dec-2010	SED-019-SIV-SD-0.0-0.5	6167495	N	METHOD	1613B	III
16-Dec-2010	SED-017-SIV-SD-0.0-0.5	6167494	N	METHOD	1613B	III
16-Dec-2010	SL-186-SA5B-SS-0.0-0.5	6167503	N	METHOD	1613B	III
16-Dec-2010	SL-198-SA5B-SS-0.0-0.5	6167511	N	METHOD	1613B	III
16-Dec-2010	SL-192-SA5B-SS-0.0-0.5	6167508	N	METHOD	1613B	III
16-Dec-2010	SL-187-SA5B-SS-0.0-0.5	6167504	N	METHOD	1613B	III
16-Dec-2010	SL-189-SA5B-SS-0.0-0.5	6167505	N	METHOD	1613B	III
16-Dec-2010	SL-189-SA5B-SS-0.0-0.5MS	6167506	MS	METHOD	1613B	III
16-Dec-2010	SL-189-SA5B-SS-0.0-0.5MSD	6167507	MSD	METHOD	1613B	III
16-Dec-2010	SED-020-SIV-SD-0.0-0.5	6167496	N	METHOD	1613B	III
16-Dec-2010	SL-173-SA5B-SS-0.0-0.5	6167500	N	METHOD	1613B	III
16-Dec-2010	SL-196-SA5B-SS-0.0-0.5	6167510	N	METHOD	1613B	III
16-Dec-2010	SL-199-SA5B-SS-0.0-0.5	6167512	N	METHOD	1613B	III
16-Dec-2010	SL-169-SA5B-SS-0.0-0.5	6167498	N	METHOD	1613B	III
16-Dec-2010	SL-194-SA5B-SS-0.0-0.5	6167509	N	METHOD	1613B	III
16-Dec-2010	SL-172-SA5B-SS-0.0-0.5	6167499	N	METHOD	1613B	III
16-Dec-2010	SED-011-SIV-SD-0.0-0.5	6167492	N	METHOD	1613B	III
16-Dec-2010	SL-202-SA5B-SS-0.0-0.5	6167513	N	METHOD	1613B	III
16-Dec-2010	SED-013-SIV-SD-0.0-0.5	6167493	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-011-SIV-SD-0.0-0.5

Collected: 12/16/2010 2:18:00

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-HPCDF	5.49	JB	0.0166	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.462	JB	0.0233	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.511	JB	0.0213	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.391	JB	0.0192	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.40	JB	0.0225	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.342	JB	0.0173	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	1.06	JB	0.0219	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.132	JB	0.0209	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.432	JB	0.0523	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.307	JB	0.0160	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.436	JB	0.0191	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.515	JB	0.0161	MDL	5.51	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.120	J	0.0259	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.219	JB	0.0351	MDL	1.10	PQL	ng/Kg	U	B
OCDF	10.8	JB	0.0277	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SED-013-SIV-SD-0.0-0.5

Collected: 12/16/2010 3:26:00

Analysis Type: 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	0.0385	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.48	JB	0.0316	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.855	JB	0.0260	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.74	JB	0.0328	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.743	JB	0.0234	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.00	JB	0.0314	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.259	JB	0.0272	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.847	JBQ	0.0495	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.551	JB	0.0180	MDL	5.75	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.972	JB	0.0254	MDL	5.75	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.680	JB	0.0182	MDL	5.75	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0815	JQ	0.0213	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.355	JB	0.0380	MDL	1.15	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-017-SIV-SD-0.0-0.5

Collected: 12/16/2010 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	3.16	JB	0.0563	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	4.07	JB	0.0350	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.31	JB	0.0347	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.35	JB	0.0314	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	5.15	JB	0.0353	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.332	JB	0.0388	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.963	JB	0.0547	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.661	JB	0.0247	MDL	5.65	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.20	JB	0.0345	MDL	5.65	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.11	JB	0.0245	MDL	5.65	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.190	J	0.0263	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.501	JB	0.0533	MDL	1.13	PQL	ng/Kg	J	Z

Sample ID: SED-019-SIV-SD-0.0-0.5

Collected: 12/16/2010 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
1,2,3,7,8,9-HXCDF	2.48	JB	0.153	MDL	6.74	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	4.86	JBQ	0.240	MDL	6.74	PQL	ng/Kg	J	Z
OCDD	24600	EB	0.396	MDL	13.5	PQL	ng/Kg	J	*XI

Sample ID: SED-020-SIV-SD-0.0-0.5

Collected: 12/16/2010 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
1,2,3,4,7,8,9-HPCDF	4.32	JBQ	0.210	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.51	JB	0.0601	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.31	JB	0.0466	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.40	JB	0.0440	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.322	JB	0.0536	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.07	JB	0.0914	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.971	JB	0.0286	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.26	JB	0.0448	MDL	5.43	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-020-SIV-SD-0.0-0.5

Collected: 12/16/2010 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
2,3,4,7,8-PECDF	0.802	JB	0.0286	MDL	5.43	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.284	JQ	0.0353	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.492	JBQ	0.0529	MDL	1.09	PQL	ng/Kg	J	Z

Sample ID: SL-147-SA5B-SS-0.0-0.5

Collected: 12/16/2010 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
1,2,3,4,7,8,9-HPCDF	2.38	JB	0.148	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.06	JBQ	0.0596	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.30	JBQ	0.0441	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	5.50	JB	0.0612	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.39	JB	0.0423	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.99	JB	0.0611	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.445	JB	0.0497	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.19	JB	0.0800	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.05	JB	0.0294	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.61	JB	0.0428	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.02	JB	0.0284	MDL	5.72	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.141	JQ	0.0318	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.535	JB	0.0629	MDL	1.14	PQL	ng/Kg	J	Z

Sample ID: SL-169-SA5B-SS-0.0-0.5

Collected: 12/16/2010 1:37:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.36	JB	0.169	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.30	JB	0.0604	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.27	JB	0.0475	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.31	JB	0.0452	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	4.72	JB	0.0608	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.642	JBQ	0.0514	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.26	JB	0.0738	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.09	JB	0.0310	MDL	5.67	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.49	JB	0.0475	MDL	5.67	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.00	JB	0.0297	MDL	5.67	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0922	JQ	0.0341	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.425	JB	0.0634	MDL	1.13	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-172-SA5B-SS-0.0-0.5

Collected: 12/16/2010 1:52:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.02	JB	0.119	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.51	JB	0.0430	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.536	JB	0.0403	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.39	JB	0.0449	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.670	JB	0.0375	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.75	JB	0.0447	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.474	JB	0.0454	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.883	JB	0.0667	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.455	JB	0.0238	MDL	5.30	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.775	JB	0.0373	MDL	5.30	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.466	JB	0.0229	MDL	5.30	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.142	JQ	0.0287	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.225	JBQ	0.0484	MDL	1.06	PQL	ng/Kg	U	B

Sample ID: SL-173-SA5B-SS-0.0-0.5

Collected: 12/16/2010 1:12:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.47	JB	0.129	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	3.41	JB	0.0719	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	2.02	JB	0.0419	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.747	JB	0.0397	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.827	JB	0.0489	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.41	JB	0.0727	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.574	JB	0.0248	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.22	JB	0.0396	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.721	JB	0.0245	MDL	5.33	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0963	JQ	0.0265	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.216	JB	0.0439	MDL	1.07	PQL	ng/Kg	U	B
OCDD	16200	EB	0.248	MDL	10.7	PQL	ng/Kg	J	*XI

Sample ID: SL-176-SA5B-SS-0.0-0.5

Collected: 12/16/2010 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
1,2,3,4,7,8,9-HPCDF	1.98	JB	0.134	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.58	JBQ	0.155	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	4.68	JB	0.103	MDL	5.26	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-176-SA5B-SS-0.0-0.5

Collected: 12/16/2010 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
1,2,3,6,7,8-HXCDD	5.20	JB	0.158	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	3.10	JB	0.0989	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.59	JB	0.158	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.31	JBQ	0.115	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.08	JBQ	0.249	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.46	JB	0.105	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	4.69	JB	0.103	MDL	5.26	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	6.42	B	0.261	MDL	1.05	PQL	ng/Kg		Z

Sample ID: SL-178-SA5B-SS-0.0-0.5

Collected: 12/16/2010 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
1,2,3,7,8,9-HXCDF	2.81	JB	0.214	MDL	6.42	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	5.60	JBQ	0.161	MDL	6.42	PQL	ng/Kg	J	Z
OCDD	15300	EB	0.571	MDL	12.8	PQL	ng/Kg	J	*XI

Sample ID: SL-186-SA5B-SS-0.0-0.5

Collected: 12/16/2010 10:56:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.31	JB	0.131	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.16	JB	0.136	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.511	JB	0.0850	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	3.51	JB	0.140	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.616	JB	0.0808	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.68	JB	0.140	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.419	JB	0.0992	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.507	JBQ	0.144	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.878	JB	0.0600	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.718	JBQ	0.0813	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.555	JB	0.0576	MDL	5.37	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.123	JQ	0.0592	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.191	JBQ	0.133	MDL	1.07	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-187-SA5B-SS-0.0-0.5

Collected: 12/16/2010 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
1,2,3,7,8,9-HXCDF	1.65	JB	0.198	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.60	JB	0.0660	MDL	5.30	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.32	JB	0.0665	MDL	5.30	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.876	J	0.0702	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.228	JB	0.136	MDL	1.06	PQL	ng/Kg	U	B
OCDD	23500	EB	0.434	MDL	10.6	PQL	ng/Kg	J	*XI

Sample ID: SL-189-SA5B-SS-0.0-0.5

Collected: 12/16/2010 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	0.570	JB	0.111	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.542	JBQ	0.0902	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.307	JBQ	0.0734	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.68	JB	0.0914	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.372	JBQ	0.0670	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.86	JB	0.0857	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.472	JBQ	0.0800	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.414	JBQ	0.0788	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.459	JB	0.0394	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.351	JB	0.0725	MDL	5.37	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.379	JBQ	0.0378	MDL	5.37	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0470	JQ	0.0424	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.102	JB	0.0725	MDL	1.07	PQL	ng/Kg	U	B
OCDD	508	B	0.115	MDL	10.7	PQL	ng/Kg	J	Q

Sample ID: SL-192-SA5B-SS-0.0-0.5

Collected: 12/16/2010 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
1,2,3,4,7,8,9-HPCDF	5.18	JB	0.171	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.04	JBQ	0.130	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.745	JBQ	0.132	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	4.22	JBQ	0.132	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.877	JB	0.121	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.18	JB	0.130	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.11	JB	0.140	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.537	JB	0.131	MDL	5.38	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-192-SA5B-SS-0.0-0.5

Collected: 12/16/2010 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
1,2,3,7,8-PECDF	0.622	JB	0.128	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.45	JB	0.128	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.19	JBQ	0.119	MDL	5.38	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.126	JQ	0.0843	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-194-SA5B-SS-0.0-0.5

Collected: 12/16/2010 1:40:00

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	0.619	JBQ	0.0875	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.463	JB	0.0873	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.410	JB	0.0763	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.42	JB	0.0909	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.483	JB	0.0726	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.988	JBQ	0.0874	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.359	JB	0.0824	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.250	JBQ	0.0808	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.570	JB	0.0728	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.476	JB	0.0738	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.246	JB	0.0707	MDL	5.54	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.218	JB	0.113	MDL	1.11	PQL	ng/Kg	U	B

Sample ID: SL-196-SA5B-SS-0.0-0.5

Collected: 12/16/2010 1:12:00

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-HPCDF	4.22	JB	0.0563	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.451	JB	0.0776	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.420	JB	0.0899	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.493	JBQ	0.0888	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.30	JB	0.0911	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.531	JB	0.0799	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.22	JB	0.0909	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.431	JB	0.0972	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.351	JBQ	0.0996	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.807	JB	0.0708	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.428	JB	0.0848	MDL	5.27	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.670	JB	0.0698	MDL	5.27	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-196-SA5B-SS-0.0-0.5

Collected: 12/16/2010 1:12:00

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	0.165	JBQ	0.122	MDL	1.05	PQL	ng/Kg	U	B

Sample ID: SL-198-SA5B-SS-0.0-0.5

Collected: 12/16/2010 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
1,2,3,4,7,8,9-HPCDF	1.12	JBQ	0.110	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.12	JB	0.123	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.560	JBQ	0.0973	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.67	JB	0.125	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.651	JB	0.0907	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.29	JBQ	0.130	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.405	JBQ	0.105	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.529	JB	0.128	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.544	JB	0.0598	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.727	JBQ	0.0923	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.642	JB	0.0567	MDL	5.34	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0909	J	0.0682	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.247	JB	0.112	MDL	1.07	PQL	ng/Kg	U	B

Sample ID: SL-199-SA5B-SS-0.0-0.5

Collected: 12/16/2010 1:23:00

Analysis Type: RES

Dilution: 1

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	3.84	JB	0.0466	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.423	JB	0.0631	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.319	JB	0.0796	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.393	JBQ	0.0676	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.26	JB	0.0840	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.652	JB	0.0590	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.37	JB	0.0812	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.456	JB	0.0738	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.294	JBQ	0.106	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.78	JB	0.0521	MDL	5.32	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.941	JB	0.0631	MDL	5.32	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.44	JB	0.0535	MDL	5.32	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0700	JQ	0.0502	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.161	JBQ	0.119	MDL	1.06	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-199-SA5B-SS-0.0-0.5

Collected: 12/16/2010 1:23:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	9.64	JB	0.0602	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SL-202-SA5B-SS-0.0-0.5

Collected: 12/16/2010 2:23:00

Analysis Type: 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	0.565	JB	0.0672	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.578	JBQ	0.113	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.351	JBQ	0.0792	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	2.71	JBQ	0.119	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.366	JBQ	0.0750	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.31	JB	0.119	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.376	JBQ	0.0818	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.351	JBQ	0.100	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.574	JB	0.0637	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.687	JB	0.0755	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.443	JB	0.0606	MDL	5.36	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0725	JQ	0.0701	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.194	JBQ	0.155	MDL	1.07	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_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 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
F	Equipment Blank Contamination
F	Field Blank Contamination

Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation

Data Qualifier Summary

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

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

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX026

Method Blank Outlier Report

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370343	1/21/2011 3:43:00 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-TCDF OCDD OCDF	0.172 ng/Kg 0.295 ng/Kg 0.0694 ng/Kg 0.0377 ng/Kg 0.0876 ng/Kg 0.0525 ng/Kg 0.0702 ng/Kg 0.0432 ng/Kg 0.0636 ng/Kg 0.0325 ng/Kg 0.0530 ng/Kg 0.108 ng/Kg 0.0835 ng/Kg 0.0100 ng/Kg 0.339 ng/Kg 0.270 ng/Kg	SED-011-SIV-SD-0.0-0.5 SED-013-SIV-SD-0.0-0.5 SED-017-SIV-SD-0.0-0.5 SED-019-SIV-SD-0.0-0.5 SED-020-SIV-SD-0.0-0.5 SL-147-SA5B-SS-0.0-0.5 SL-169-SA5B-SS-0.0-0.5 SL-172-SA5B-SS-0.0-0.5 SL-173-SA5B-SS-0.0-0.5 SL-176-SA5B-SS-0.0-0.5 SL-178-SA5B-SS-0.0-0.5 SL-186-SA5B-SS-0.0-0.5 SL-187-SA5B-SS-0.0-0.5 SL-189-SA5B-SS-0.0-0.5 SL-192-SA5B-SS-0.0-0.5 SL-194-SA5B-SS-0.0-0.5 SL-196-SA5B-SS-0.0-0.5 SL-198-SA5B-SS-0.0-0.5 SL-199-SA5B-SS-0.0-0.5 SL-202-SA5B-SS-0.0-0.5
PBB371506	2/4/2011 3:06:00 PM	2,3,7,8-TCDF	0.0580 ng/Kg	SED-011-SIV-SD-0.0-0.5 SED-013-SIV-SD-0.0-0.5 SED-017-SIV-SD-0.0-0.5 SED-019-SIV-SD-0.0-0.5 SED-020-SIV-SD-0.0-0.5 SL-147-SA5B-SS-0.0-0.5 SL-169-SA5B-SS-0.0-0.5 SL-172-SA5B-SS-0.0-0.5 SL-173-SA5B-SS-0.0-0.5 SL-176-SA5B-SS-0.0-0.5 SL-178-SA5B-SS-0.0-0.5 SL-186-SA5B-SS-0.0-0.5 SL-187-SA5B-SS-0.0-0.5 SL-189-SA5B-SS-0.0-0.5 SL-192-SA5B-SS-0.0-0.5 SL-194-SA5B-SS-0.0-0.5 SL-196-SA5B-SS-0.0-0.5 SL-198-SA5B-SS-0.0-0.5 SL-199-SA5B-SS-0.0-0.5 SL-202-SA5B-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
SED-011-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.391 ng/Kg	0.391U ng/Kg
SED-011-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.342 ng/Kg	0.342U ng/Kg
SED-011-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.132 ng/Kg	0.132U ng/Kg
SED-011-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.436 ng/Kg	0.436U ng/Kg
SED-011-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDF	0.219 ng/Kg	0.219U ng/Kg
SED-013-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.259 ng/Kg	0.259U ng/Kg
SL-172-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.225 ng/Kg	0.225U ng/Kg
SL-173-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.216 ng/Kg	0.216U ng/Kg
SL-186-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.191 ng/Kg	0.191U ng/Kg
SL-187-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.228 ng/Kg	0.228U ng/Kg
SL-189-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.307 ng/Kg	0.307U ng/Kg
SL-189-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.351 ng/Kg	0.351U ng/Kg
SL-189-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.379 ng/Kg	0.379U ng/Kg
SL-189-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.102 ng/Kg	0.102U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/17/2011 12:49:38 PM

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Method Blank Outlier Report

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_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-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.410 ng/Kg	0.410U ng/Kg
SL-194-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.478 ng/Kg	0.476U ng/Kg
SL-194-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.246 ng/Kg	0.246U ng/Kg
SL-194-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.218 ng/Kg	0.218U ng/Kg
SL-196-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.428 ng/Kg	0.428U ng/Kg
SL-196-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.165 ng/Kg	0.165U ng/Kg
SL-198-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.247 ng/Kg	0.247U ng/Kg
SL-199-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.393 ng/Kg	0.393U ng/Kg
SL-199-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.161 ng/Kg	0.161U ng/Kg
SL-202-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.351 ng/Kg	0.351U ng/Kg
SL-202-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.194 ng/Kg	0.194U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_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-189-SA5B-SS-0.0-0.5MS SL-189-SA5B-SS-0.0-0.5MSD (SL-189-SA5B-SS-0.0-0.5)	OCDD	167	228	40.00-135.00	-	OCDD	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-011-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	5.49	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.462	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.511	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.391	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.40	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.342	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.06	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.132	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.432	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.307	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.436	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.515	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.120	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.219	1.10	PQL	ng/Kg	
	OCDF	JB	10.8	11.0	PQL	ng/Kg	
SED-013-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.11	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.48	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.855	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.74	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.743	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.00	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.259	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.847	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.551	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.972	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.680	5.75	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0815	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.355	1.15	PQL	ng/Kg	
SED-017-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	3.16	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	4.07	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.31	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.35	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	5.15	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.332	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.963	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.661	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.20	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.11	5.65	PQL	ng/Kg	
SED-019-SIV-SD-0.0-0.5	2,3,7,8-TCDD	J	0.190	1.13	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDF	JB	0.501	1.13	PQL	ng/Kg	
SED-020-SIV-SD-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	2.48	6.74	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	4.86	6.74	PQL	ng/Kg	
SED-020-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JBQ	4.32	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.51	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.31	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.40	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.322	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.07	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.971	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.26	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.802	5.43	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.284	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.492	1.09	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-147-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.38	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	2.06	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	1.30	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	5.50	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.39	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.99	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.445	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.19	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.05	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.61	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.02	5.72	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.141	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.535	1.14	PQL	ng/Kg	
SL-169-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.36	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.30	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.27	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.31	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	4.72	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.642	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.26	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.09	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.49	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.00	5.67	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0922	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.425	1.13	PQL	ng/Kg	
SL-172-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.02	5.30	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.51	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.536	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.39	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.670	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.75	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.474	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.883	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.455	5.30	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.775	5.30	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.466	5.30	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.142	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.225	1.06	PQL	ng/Kg	
SL-173-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.47	5.33	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	3.41	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.02	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.747	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.827	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.41	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.574	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.22	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.721	5.33	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0963	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.216	1.07	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-176-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.98	5.26	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	1.58	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	4.68	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	5.20	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	3.10	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.59	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	1.31	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	1.08	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.46	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	4.69	5.26	PQL	ng/Kg	
SL-178-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	2.81	6.42	PQL	ng/Kg	J (all detects)
	2,3,4,7,8-PECDF	JBQ	5.60	6.42	PQL	ng/Kg	
SL-186-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.31	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.16	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.511	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.51	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.616	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.68	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.419	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.507	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.878	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.718	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.555	5.37	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.123	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.191	1.07	PQL	ng/Kg	
SL-187-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	1.65	5.30	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JB	1.60	5.30	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.32	5.30	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.876	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.228	1.06	PQL	ng/Kg	
SL-189-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.570	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.542	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.307	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.68	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.372	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.86	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.472	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.414	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.459	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.351	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.379	5.37	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0470	1.07	PQL	ng/Kg	
SL-192-SA5B-SS-0.0-0.5	2,3,7,8-TCDF	JB	0.102	1.07	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	5.18	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	1.04	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.745	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	4.22	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.877	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.18	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.11	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.537	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.622	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.45	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	1.19	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.126	1.08	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-194-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JBQ	0.619	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.463	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.410	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.42	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.483	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.988	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.359	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.250	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.570	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.476	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.246	5.54	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.218	1.11	PQL	ng/Kg	
SL-196-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.22	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.451	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.420	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.493	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.30	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.531	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.22	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.431	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.351	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.807	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.428	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.670	5.27	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.165	1.05	PQL	ng/Kg	
SL-198-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JBQ	1.12	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.12	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.560	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.67	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.651	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	2.29	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.405	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.529	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.544	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.727	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.642	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0909	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.247	1.07	PQL	ng/Kg	
SL-199-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.84	5.32	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.423	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.319	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.393	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.26	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.652	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.37	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.456	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.294	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.78	5.32	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.941	5.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.44	5.32	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0700	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.161	1.06	PQL	ng/Kg	
	OCDF	JB	9.64	10.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX026

Laboratory: LL

EDD Filename: DX026_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-202-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.565	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.578	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.351	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	2.71	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.366	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.31	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.376	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.351	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.574	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.687	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.443	5.36	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0725	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.194	1.07	PQL	ng/Kg	

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

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

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

[illegible]

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX027

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
16-Dec-2010	SL-286-SA5B-SS-0.0-0.5	6167581	N	METHOD	1613B	III
16-Dec-2010	SL-285-SA5B-SS-0.0-0.5	6167580	N	METHOD	1613B	III
16-Dec-2010	SL-040-SA5B-SB-1.5-2.5	6167571	N	METHOD	1613B	III
16-Dec-2010	SL-040-SA5B-SB-9.0-10.0	6167572	N	METHOD	1613B	III
16-Dec-2010	DUP07-SA5B-QC-121610	6167569	FD	METHOD	1613B	III
16-Dec-2010	SL-041-SA5B-SB-1.5-2.5	6167573	N	METHOD	1613B	III
16-Dec-2010	SL-041-SA5B-SB-8.0-9.0	6167574	N	METHOD	1613B	III
16-Dec-2010	EB04-SA5B-121610	6167570	EB	METHOD	1613B	III
16-Dec-2010	SL-042-SA5B-SB-2.5-3.5	6167575	N	METHOD	1613B	III
16-Dec-2010	SL-284-SA5B-SS-0.0-0.5	6167579	N	METHOD	1613B	III
16-Dec-2010	SL-042-SA5B-SB-8.0-9.0	6167576	N	METHOD	1613B	III
16-Dec-2010	SL-205-SA5B-SS-0.0-0.5	6167578	N	METHOD	1613B	III
16-Dec-2010	SL-304-SA5B-SS-0.0-0.5	6167582	N	METHOD	1613B	III
16-Dec-2010	SL-043-SA5B-SB-2.5-3.5	6167577	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	1613B	Matrix:	AQ

Sample ID: EB04-SA5B-121610

Collected: 12/16/2010 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	1.31	JB	0.260	MDL	11.3	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.32	JB	0.119	MDL	11.3	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.477	JBQ	0.139	MDL	11.3	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.472	JB	0.174	MDL	11.3	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.292	JBQ	0.197	MDL	11.3	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.247	JB	0.167	MDL	11.3	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.249	JBQ	0.213	MDL	11.3	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.209	JB	0.171	MDL	11.3	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.625	JBQ	0.470	MDL	11.3	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.365	JB	0.202	MDL	11.3	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.382	JBQ	0.158	MDL	11.3	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.463	JBQ	0.160	MDL	11.3	PQL	pg/L	U	B
2,3,7,8-TCDD	1.21	U	1.21	MDL	2.27	PQL	pg/L	UJ	I
OCDD	2.23	JBQ	0.333	MDL	22.7	PQL	pg/L	U	B
OCDF	0.927	JBQ	0.301	MDL	22.7	PQL	pg/L	U	B

Method Category:	SVOA		
Method:	1613B	Matrix:	SO

Sample ID: DUP07-SA5B-QC-121610

Collected: 12/16/2010 11:29:00

Analysis Type: 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	0.436	JB	0.0424	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.578	JB	0.0429	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.430	JB	0.0327	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	2.07	JB	0.0453	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.348	JB	0.0300	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.72	JB	0.0429	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.386	JB	0.0364	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.372	JBQ	0.0527	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.478	JBQ	0.0241	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.446	JB	0.0319	MDL	5.36	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.410	JB	0.0253	MDL	5.36	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0678	J	0.0236	MDL	1.07	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 8:15:51 AM

ADR version 1.4.0.111

Page 1 of 10

Data Qualifier Summary

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP07-SA5B-QC-121610

Collected: 12/16/2010 11:29:00

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	0.246	JQ	0.0501	MDL	1.07	PQL	ng/Kg	U	B

Sample ID: SL-040-SA5B-SB-1.5-2.5

Collected: 12/16/2010 10:07:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.724	JB	0.0575	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.321	JB	0.0223	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0482	JB	0.0300	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0779	JBQ	0.0257	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.115	JBQ	0.0365	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0746	JBQ	0.0235	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.286	JBQ	0.0359	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.285	JB	0.0290	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.106	JBQ	0.0172	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0764	JB	0.0246	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.118	JBQ	0.0175	MDL	5.58	PQL	ng/Kg	U	B
OCDD	6.26	JB	0.0610	MDL	11.2	PQL	ng/Kg	J	Z
OCDF	0.366	JBQ	0.0491	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-040-SA5B-SB-9.0-10.0

Collected: 12/16/2010 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	2.54	JB	0.101	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.697	JB	0.0497	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0962	JBQ	0.0617	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.129	JB	0.0482	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.359	JB	0.0612	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.166	JB	0.0434	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.363	JBQ	0.0648	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.156	JBQ	0.0511	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.118	JB	0.0368	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.132	JBQ	0.0451	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.201	JBQ	0.0360	MDL	5.90	PQL	ng/Kg	U	B
OCDF	1.08	JB	0.0811	MDL	11.8	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 8:15:51 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-041-SA5B-SB-1.5-2.5

Collected: 12/16/2010 11:44:00

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	0.398	JB	0.0436	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.242	JB	0.0258	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0511	JBQ	0.0368	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0694	JBQ	0.0337	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0595	JB	0.0250	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0579	JBQ	0.0352	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0702	JB	0.0217	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.154	JBQ	0.0349	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.193	JBQ	0.0293	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0716	JB	0.0451	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0612	JBQ	0.0176	MDL	5.95	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0832	JBQ	0.0233	MDL	5.95	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0750	JBQ	0.0180	MDL	5.95	PQL	ng/Kg	U	B
OCDD	1.79	JB	0.0675	MDL	11.9	PQL	ng/Kg	U	B
OCDF	0.254	JBQ	0.0463	MDL	11.9	PQL	ng/Kg	U	B

Sample ID: SL-041-SA5B-SB-8.0-9.0

Collected: 12/16/2010 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	4.35	JB	0.0553	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.802	JB	0.0391	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0996	JBQ	0.0478	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.124	JBQ	0.0328	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.340	JBQ	0.0409	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.132	JBQ	0.0310	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.299	JB	0.0416	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0810	JBQ	0.0498	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.154	JB	0.0315	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.172	JBQ	0.0185	MDL	5.54	PQL	ng/Kg	U	B
OCDF	1.52	JB	0.0519	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-042-SA5B-SB-2.5-3.5

Collected: 12/16/2010 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	2.11	JBQ	0.0823	MDL	5.58	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-042-SA5B-SB-2.5-3.5

Collected: 12/16/2010 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-HPCDF	0.929	JB	0.0609	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.222	JB	0.0724	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0597	JBQ	0.0440	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.178	JB	0.0471	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.261	JBQ	0.0455	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.155	JB	0.0477	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.249	JBQ	0.0464	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.234	JB	0.0610	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.105	JBQ	0.0558	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0959	JBQ	0.0256	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.307	JB	0.0518	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.227	JBQ	0.0234	MDL	5.58	PQL	ng/Kg	U	B
OCDF	1.23	JB	0.183	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-042-SA5B-SB-8.0-9.0

Collected: 12/16/2010 2:18:00

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	1.01	JBQ	0.184	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.778	JB	0.0983	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.232	JB	0.122	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.115	JBQ	0.111	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.138	JBQ	0.0758	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.235	JBQ	0.116	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.210	JBQ	0.0742	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.199	JB	0.111	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.224	JBQ	0.0898	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.226	JB	0.131	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.167	JBQ	0.0561	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.253	JBQ	0.0732	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.119	JBQ	0.0486	MDL	5.63	PQL	ng/Kg	U	B
OCDD	5.22	JB	0.225	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.900	JB	0.230	MDL	11.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-043-SA5B-SB-2.5-3.5

Collected: 12/16/2010 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	1.92	JB	0.208	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.844	JB	0.0844	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.129	JBQ	0.110	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.128	JBQ	0.0618	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.228	JB	0.0600	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.192	JBQ	0.0805	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.170	JBQ	0.0679	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.120	JBQ	0.101	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.184	JBQ	0.0457	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.268	JBQ	0.0561	MDL	5.54	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.106	JQ	0.0720	MDL	1.11	PQL	ng/Kg	U	B
OCDF	1.58	JBQ	0.208	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-205-SA5B-SS-0.0-0.5

Collected: 12/16/2010 2:32:00

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-HPCDF	2.29	JB	0.0510	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.262	JB	0.0666	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.266	JBQ	0.0663	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.240	JB	0.0589	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.753	JB	0.0674	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.303	JBQ	0.0539	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.862	JBQ	0.0680	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.434	JBQ	0.0640	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.161	JBQ	0.0674	MDL	5.28	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.252	JB	0.0367	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.418	JBQ	0.0541	MDL	5.28	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.421	JB	0.0350	MDL	5.28	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0781	JQ	0.0380	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.120	JQ	0.0621	MDL	1.06	PQL	ng/Kg	U	B
OCDF	4.61	JB	0.0867	MDL	10.6	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-284-SA5B-SS-0.0-0.5

Collected: 12/16/2010 2:13:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	4.17	JBQ	0.0946	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	5.18	JB	0.0897	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.41	JB	0.108	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	4.68	JB	0.149	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	3.31	JB	0.0544	MDL	5.68	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.12	JB	0.0555	MDL	5.68	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.321	JQ	0.0614	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.951	J	0.141	MDL	1.14	PQL	ng/Kg	U	B
OCDD	9210	EB	0.247	MDL	11.4	PQL	ng/Kg	J	*XI

Sample ID: SL-285-SA5B-SS-0.0-0.5

Collected: 12/16/2010 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
1,2,3,4,7,8-HXCDF	3.59	JB	0.116	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	4.21	JB	0.110	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.10	JBQ	0.131	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	3.72	JBQ	0.264	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.94	JB	0.0892	MDL	5.46	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.376	J	0.126	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	7290	EB	0.329	MDL	10.9	PQL	ng/Kg	J	*XI

Sample ID: SL-286-SA5B-SS-0.0-0.5

Collected: 12/16/2010 9:02:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	3.62	JB	0.137	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	4.15	JB	0.130	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.28	JBQ	0.148	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	3.28	JB	0.308	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	5.80	JB	0.108	MDL	5.86	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	4.36	JB	0.129	MDL	5.86	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-286-SA5B-SS-0.0-0.5

Collected: 12/16/2010 9:02:00

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	2.96	JB	0.104	MDL	5.86	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.240	JQ	0.125	MDL	1.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.51		0.240	MDL	1.17	PQL	ng/Kg	U	B, Z
OCDD	6230	EB	0.333	MDL	11.7	PQL	ng/Kg	J	*XI

Sample ID: SL-304-SA5B-SS-0.0-0.5

Collected: 12/16/2010 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
1,2,3,4,7,8,9-HPCDF	0.595	JB	0.112	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.510	JBQ	0.0967	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.568	JBQ	0.0813	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.90	JB	0.0992	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.454	JB	0.0760	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.62	JBQ	0.0977	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.506	JB	0.0907	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.451	JBQ	0.0984	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.605	JBQ	0.0484	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.650	JB	0.0788	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.368	JBQ	0.0459	MDL	5.31	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.127	JQ	0.0676	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.239	JQ	0.0898	MDL	1.06	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_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 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
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX027

Method Blank Outlier Report

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371629	12/30/2010 4:29:00 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 2,3,7,8-TCDF OCDD OCDF	1.35 pg/L 1.41 pg/L 0.582 pg/L 0.485 pg/L 0.599 pg/L 0.512 pg/L 0.568 pg/L 0.483 pg/L 0.637 pg/L 0.684 pg/L 0.474 pg/L 0.505 pg/L 0.810 pg/L 2.81 pg/L 0.181 pg/L 2.39 pg/L 1.43 pg/L	EB04-SA5B-121610

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
EB04-SA5B-121610(RES)	1,2,3,4,6,7,8-HPCDD	1.31 pg/L	1.31U pg/L
EB04-SA5B-121610(RES)	1,2,3,4,6,7,8-HPCDF	1.32 pg/L	1.32U pg/L
EB04-SA5B-121610(RES)	1,2,3,4,7,8,9-HPCDF	0.477 pg/L	0.477U pg/L
EB04-SA5B-121610(RES)	1,2,3,4,7,8-HxCDF	0.472 pg/L	0.472U pg/L
EB04-SA5B-121610(RES)	1,2,3,6,7,8-HxCDD	0.292 pg/L	0.292U pg/L
EB04-SA5B-121610(RES)	1,2,3,6,7,8-HxCDF	0.247 pg/L	0.247U pg/L
EB04-SA5B-121610(RES)	1,2,3,7,8,9-HxCDD	0.249 pg/L	0.249U pg/L
EB04-SA5B-121610(RES)	1,2,3,7,8,9-HxCDF	0.209 pg/L	0.209U pg/L
EB04-SA5B-121610(RES)	1,2,3,7,8-PECDD	0.625 pg/L	0.625U pg/L
EB04-SA5B-121610(RES)	1,2,3,7,8-PECDF	0.365 pg/L	0.365U pg/L
EB04-SA5B-121610(RES)	2,3,4,6,7,8-HxCDF	0.382 pg/L	0.382U pg/L
EB04-SA5B-121610(RES)	2,3,4,7,8-PECDF	0.463 pg/L	0.463U pg/L
EB04-SA5B-121610(RES)	OCDD	2.23 pg/L	2.23U pg/L
EB04-SA5B-121610(RES)	OCDF	0.927 pg/L	0.927U pg/L

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Method Blank Outlier Report

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB372021	1/22/2011 8:21:00 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	0.213 ng/Kg 0.415 ng/Kg 0.104 ng/Kg 0.0408 ng/Kg 0.118 ng/Kg 0.0362 ng/Kg 0.0803 ng/Kg 0.0701 ng/Kg 0.0864 ng/Kg 0.0608 ng/Kg 0.0446 ng/Kg 0.179 ng/Kg 0.129 ng/Kg 0.888 ng/Kg 0.280 ng/Kg	DUP07-SA5B-QC-121610 SL-040-SA5B-SB-1.5-2.5 SL-040-SA5B-SB-9.0-10.0 SL-041-SA5B-SB-1.5-2.5 SL-041-SA5B-SB-8.0-9.0 SL-042-SA5B-SB-2.5-3.5 SL-042-SA5B-SB-8.0-9.0 SL-043-SA5B-SB-2.5-3.5 SL-205-SA5B-SS-0.0-0.5 SL-284-SA5B-SS-0.0-0.5 SL-285-SA5B-SS-0.0-0.5 SL-286-SA5B-SS-0.0-0.5 SL-304-SA5B-SS-0.0-0.5
PBB370323	2/7/2011 3:23:00 AM	2,3,7,8-TCDF	0.333 ng/Kg	DUP07-SA5B-QC-121610 SL-040-SA5B-SB-1.5-2.5 SL-040-SA5B-SB-9.0-10.0 SL-041-SA5B-SB-1.5-2.5 SL-041-SA5B-SB-8.0-9.0 SL-042-SA5B-SB-2.5-3.5 SL-042-SA5B-SB-8.0-9.0 SL-043-SA5B-SB-2.5-3.5 SL-205-SA5B-SS-0.0-0.5 SL-284-SA5B-SS-0.0-0.5 SL-285-SA5B-SS-0.0-0.5 SL-286-SA5B-SS-0.0-0.5 SL-304-SA5B-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
DUP07-SA5B-QC-121610(RES)	1,2,3,4,7,8,9-HPCDF	0.436 ng/Kg	0.436U ng/Kg
DUP07-SA5B-QC-121610(RES)	1,2,3,4,7,8-HxCDF	0.430 ng/Kg	0.430U ng/Kg
DUP07-SA5B-QC-121610(RES)	1,2,3,6,7,8-HxCDF	0.348 ng/Kg	0.348U ng/Kg
DUP07-SA5B-QC-121610(RES)	1,2,3,7,8,9-HxCDF	0.386 ng/Kg	0.386U ng/Kg
DUP07-SA5B-QC-121610(RES)	2,3,4,6,7,8-HxCDF	0.446 ng/Kg	0.446U ng/Kg
DUP07-SA5B-QC-121610(RES)	2,3,4,7,8-PECDF	0.410 ng/Kg	0.410U ng/Kg
DUP07-SA5B-QC-121610(RES)	2,3,7,8-TCDF	0.246 ng/Kg	0.246U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	1,2,3,4,6,7,8-HPCDD	0.724 ng/Kg	0.724U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	1,2,3,4,6,7,8-HPCDF	0.321 ng/Kg	0.321U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0482 ng/Kg	0.0482U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	1,2,3,4,7,8-HxCDF	0.0779 ng/Kg	0.0779U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	1,2,3,6,7,8-HxCDD	0.115 ng/Kg	0.115U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	1,2,3,6,7,8-HxCDF	0.0746 ng/Kg	0.0746U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	1,2,3,7,8,9-HxCDD	0.286 ng/Kg	0.286U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	1,2,3,7,8,9-HxCDF	0.285 ng/Kg	0.285U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	1,2,3,7,8-PECDF	0.106 ng/Kg	0.106U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	2,3,4,6,7,8-HxCDF	0.0784 ng/Kg	0.0784U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	2,3,4,7,8-PECDF	0.118 ng/Kg	0.118U ng/Kg
SL-040-SA5B-SB-1.5-2.5(RES)	OCDF	0.366 ng/Kg	0.366U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_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-040-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.697 ng/Kg	0.697U ng/Kg
SL-040-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0962 ng/Kg	0.0962U ng/Kg
SL-040-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.129 ng/Kg	0.129U ng/Kg
SL-040-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.166 ng/Kg	0.166U ng/Kg
SL-040-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.156 ng/Kg	0.156U ng/Kg
SL-040-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.118 ng/Kg	0.118U ng/Kg
SL-040-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.132 ng/Kg	0.132U ng/Kg
SL-040-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.201 ng/Kg	0.201U ng/Kg
SL-040-SA5B-SB-9.0-10.0(RES)	OCDF	1.08 ng/Kg	1.08U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	1,2,3,4,6,7,8-HPCDD	0.398 ng/Kg	0.398U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	1,2,3,4,6,7,8-HPCDF	0.242 ng/Kg	0.242U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0511 ng/Kg	0.0511U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	1,2,3,4,7,8-HxCDD	0.0694 ng/Kg	0.0694U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	1,2,3,4,7,8-HXCDF	0.0595 ng/Kg	0.0595U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	1,2,3,6,7,8-HxCDD	0.0579 ng/Kg	0.0579U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	1,2,3,6,7,8-HXCDF	0.0702 ng/Kg	0.0702U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	1,2,3,7,8,9-HxCDD	0.154 ng/Kg	0.154U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	1,2,3,7,8,9-HXCDF	0.193 ng/Kg	0.193U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	1,2,3,7,8-PECDD	0.0716 ng/Kg	0.0716U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	1,2,3,7,8-PECDF	0.0612 ng/Kg	0.0612U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	2,3,4,6,7,8-HXCDF	0.0832 ng/Kg	0.0832U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	2,3,4,7,8-PECDF	0.0750 ng/Kg	0.0750U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	OCDD	1.79 ng/Kg	1.79U ng/Kg
SL-041-SA5B-SB-1.5-2.5(RES)	OCDF	0.254 ng/Kg	0.254U ng/Kg
SL-041-SA5B-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDF	0.602 ng/Kg	0.602U ng/Kg
SL-041-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0996 ng/Kg	0.0996U ng/Kg
SL-041-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8-HXCDF	0.124 ng/Kg	0.124U ng/Kg
SL-041-SA5B-SB-8.0-9.0(RES)	1,2,3,6,7,8-HXCDF	0.132 ng/Kg	0.132U ng/Kg
SL-041-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8,9-HxCDD	0.299 ng/Kg	0.299U ng/Kg
SL-041-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8-PECDD	0.0810 ng/Kg	0.0810U ng/Kg
SL-041-SA5B-SB-8.0-9.0(RES)	2,3,4,6,7,8-HXCDF	0.154 ng/Kg	0.154U ng/Kg
SL-041-SA5B-SB-8.0-9.0(RES)	2,3,4,7,8-PECDF	0.172 ng/Kg	0.172U ng/Kg
SL-042-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.929 ng/Kg	0.929U ng/Kg
SL-042-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.222 ng/Kg	0.222U ng/Kg
SL-042-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HxCDD	0.0597 ng/Kg	0.0597U ng/Kg
SL-042-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.178 ng/Kg	0.178U ng/Kg
SL-042-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.155 ng/Kg	0.155U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_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-042-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDD	0.249 ng/Kg	0.249U ng/Kg
SL-042-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.234 ng/Kg	0.234U ng/Kg
SL-042-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.105 ng/Kg	0.105U ng/Kg
SL-042-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.0959 ng/Kg	0.0959U ng/Kg
SL-042-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.307 ng/Kg	0.307U ng/Kg
SL-042-SA5B-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.227 ng/Kg	0.227U ng/Kg
SL-042-SA5B-SB-2.5-3.5(RES)	OCDF	1.23 ng/Kg	1.23U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDD	1.01 ng/Kg	1.01U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDF	0.778 ng/Kg	0.778U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8,9-HPCDF	0.232 ng/Kg	0.232U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8-HxCDD	0.115 ng/Kg	0.115U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8-HxCDF	0.138 ng/Kg	0.138U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	1,2,3,6,7,8-HXCDF	0.210 ng/Kg	0.210U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8,9-HXCDD	0.199 ng/Kg	0.199U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8,9-HXCDF	0.224 ng/Kg	0.224U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8-PECDD	0.226 ng/Kg	0.226U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8-PECDF	0.167 ng/Kg	0.167U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	2,3,4,6,7,8-HXCDF	0.253 ng/Kg	0.253U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	2,3,4,7,8-PECDF	0.119 ng/Kg	0.119U ng/Kg
SL-042-SA5B-SB-8.0-9.0(RES)	OCDF	0.900 ng/Kg	0.900U ng/Kg
SL-043-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.844 ng/Kg	0.844U ng/Kg
SL-043-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.129 ng/Kg	0.129U ng/Kg
SL-043-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.128 ng/Kg	0.128U ng/Kg
SL-043-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.228 ng/Kg	0.228U ng/Kg
SL-043-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDD	0.192 ng/Kg	0.192U ng/Kg
SL-043-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.170 ng/Kg	0.170U ng/Kg
SL-043-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.120 ng/Kg	0.120U ng/Kg
SL-043-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.184 ng/Kg	0.184U ng/Kg
SL-043-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.268 ng/Kg	0.268U ng/Kg
SL-043-SA5B-SB-2.5-3.5(RES)	2,3,7,8-TCDF	0.106 ng/Kg	0.106U ng/Kg
SL-205-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.262 ng/Kg	0.262U ng/Kg
SL-205-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.240 ng/Kg	0.240U ng/Kg
SL-205-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.303 ng/Kg	0.303U ng/Kg
SL-205-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.161 ng/Kg	0.161U ng/Kg
SL-205-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.418 ng/Kg	0.418U ng/Kg
SL-205-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.421 ng/Kg	0.421U ng/Kg
SL-205-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.120 ng/Kg	0.120U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_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-284-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.951 ng/Kg	0.951U ng/Kg
SL-285-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	1.24 ng/Kg	1.24U ng/Kg
SL-286-SA5B-SS-0.0-0.5(REA)	2,3,7,8-TCDF	1.44 ng/Kg	1.44U ng/Kg
SL-286-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	1.51 ng/Kg	1.51U ng/Kg
SL-304-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.568 ng/Kg	0.568U ng/Kg
SL-304-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.650 ng/Kg	0.650U ng/Kg
SL-304-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.368 ng/Kg	0.368U ng/Kg
SL-304-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.239 ng/Kg	0.239U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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ADR version 1.4.0.111

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Internal Standard Outlier Report

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB04-SA5B-121610	13C-2,3,7,8-TCDD	9	25.00-164.00	2,3,7,8-TCDD	J (all detects) UJ(all non-detects)
EB04-SA5B-121610	13C-1,2,7,8-TCDD (CRS)	18	35.00-197.00	No Compounds Associated	J(all detects) UJ(all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB04-SA5B-121610	1,2,3,4,6,7,8-HPCDD	JB	1.31	11.3	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.32	11.3	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.477	11.3	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	0.472	11.3	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.292	11.3	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JB	0.247	11.3	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.249	11.3	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JB	0.209	11.3	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.625	11.3	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	0.365	11.3	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.382	11.3	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.463	11.3	PQL	pg/L	
	OCDD	JBQ	2.23	22.7	PQL	pg/L	
	OCDF	JBQ	0.927	22.7	PQL	pg/L	

Method: 1613B
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP07-SA5B-QC-121610	1,2,3,4,7,8,9-HPCDF	JB	0.436	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.578	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.430	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.07	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.348	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.72	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.386	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.372	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.478	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.446	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.410	5.36	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0678	1.07	PQL	ng/Kg	
SL-040-SA5B-SB-1.5-2.5	2,3,7,8-TCDF	JQ	0.246	1.07	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JB	0.724	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.321	5.58	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0482	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0779	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.115	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0746	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.286	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.285	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.106	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0764	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.118	5.58	PQL	ng/Kg	
	OCDD	JB	6.26	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.366	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-040-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	2.54	5.90	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.697	5.90	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0962	5.90	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.129	5.90	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.359	5.90	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.166	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.363	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.156	5.90	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.118	5.90	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.132	5.90	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.201	5.90	PQL	ng/Kg	
	OCDF	JB	1.08	11.8	PQL	ng/Kg	
SL-041-SA5B-SB-1.5-2.5	1,2,3,4,6,7,8-HPCDD	JB	0.398	5.95	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.242	5.95	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0511	5.95	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0694	5.95	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0595	5.95	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0579	5.95	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0702	5.95	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.154	5.95	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.193	5.95	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0716	5.95	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0612	5.95	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0832	5.95	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0750	5.95	PQL	ng/Kg	
	OCDD	JB	1.79	11.9	PQL	ng/Kg	
	OCDF	JBQ	0.254	11.9	PQL	ng/Kg	
SL-041-SA5B-SB-8.0-9.0	1,2,3,4,6,7,8-HPCDD	JB	4.35	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.802	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0996	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.124	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.340	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.132	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.299	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0810	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.154	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.172	5.54	PQL	ng/Kg	
	OCDF	JB	1.52	11.1	PQL	ng/Kg	
SL-042-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JBQ	2.11	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.929	5.58	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.222	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0597	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.178	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.261	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.155	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.249	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.234	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.105	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0959	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.307	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.227	5.58	PQL	ng/Kg	
	OCDF	JB	1.23	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-042-SA5B-SB-8.0-9.0	1,2,3,4,6,7,8-HPCDD	JBQ	1.01	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.778	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.232	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.115	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.138	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.235	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.210	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.199	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.224	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.226	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.167	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.253	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.119	5.63	PQL	ng/Kg	
	OCDD	JB	5.22	11.3	PQL	ng/Kg	
	OCDF	JB	0.900	11.3	PQL	ng/Kg	
SL-043-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	1.92	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.844	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.129	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.128	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.228	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.192	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.170	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.120	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.184	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.268	5.54	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.106	1.11	PQL	ng/Kg	
	OCDF	JBQ	1.58	11.1	PQL	ng/Kg	
SL-205-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.29	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.262	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.266	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.240	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.753	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.303	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.862	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.434	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.161	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.252	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.418	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.421	5.28	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0781	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.120	1.06	PQL	ng/Kg	
	OCDF	JB	4.61	10.6	PQL	ng/Kg	
SL-284-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HxCDF	JBQ	4.17	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,6,7,8-HxCDF	JB	5.18	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.41	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	4.68	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	3.31	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.12	5.68	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.321	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.951	1.14	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX027

Laboratory: LL

EDD Filename: DX027_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-285-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HXCDF	JB	3.59	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,6,7,8-HXCDF	JB	4.21	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	1.10	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	3.72	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.94	5.46	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.376	1.09	PQL	ng/Kg	
SL-286-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HXCDF	JB	3.62	5.86	PQL	ng/Kg	J (all detects)
	1,2,3,6,7,8-HXCDF	JB	4.15	5.86	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	1.28	5.86	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	3.28	5.86	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	5.80	5.86	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	4.36	5.86	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.96	5.86	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.240	1.17	PQL	ng/Kg	
SL-304-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.595	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.510	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.568	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.90	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.454	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	1.62	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.506	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.451	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.605	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.650	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.368	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.127	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.239	1.06	PQL	ng/Kg	

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

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

Y	N	N/A
Y	N	N/A

[illegible]

V:\Validation Worksheets\Dioxin16\COMQUA16.21

SAMPLE DELIVERY GROUP

DX028

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-Dec-2010	SL-276-SA5B-SS-0.0-0.5	6168998	N	METHOD	1613B	III
17-Dec-2010	SL-162-SA5B-SS-0.0-0.5	6169004	N	METHOD	1613B	III
17-Dec-2010	SL-275-SA5B-SS-0.0-0.5	6169000	N	METHOD	1613B	III
17-Dec-2010	SL-161-SA5B-SS-0.0-0.5	6169003	N	METHOD	1613B	III
17-Dec-2010	SL-206-SA5B-SS-0.0-0.5	6169001	N	METHOD	1613B	III
17-Dec-2010	SL-208-SA5B-SS-0.0-0.5	6168997	N	METHOD	1613B	III
17-Dec-2010	SL-166-SA5B-SS-0.0-0.5	6169006	N	METHOD	1613B	III
17-Dec-2010	SL-207-SA5B-SS-0.0-0.5	6168996	N	Gen Prep	1613B	III
17-Dec-2010	SL-207-SA5B-SS-0.0-0.5	6168996	N	METHOD	1613B	III
17-Dec-2010	SL-160-SA5B-SS-0.0-0.5	6169007	N	METHOD	1613B	III
17-Dec-2010	SL-210-SA5B-SS-0.0-0.5	6168999	N	METHOD	1613B	III
17-Dec-2010	SL-274-SA5B-SS-0.0-0.5	6169005	N	METHOD	1613B	III
17-Dec-2010	SL-209-SA5B-SS-0.0-0.5	6169002	N	METHOD	1613B	III
17-Dec-2010	SL-277-SA5B-SS-0.0-0.5	6169013	N	METHOD	1613B	III
17-Dec-2010	SL-211-SA5B-SS-0.0-0.5	6169008	N	METHOD	1613B	III
17-Dec-2010	SL-211-SA5B-SS-0.0-0.5MS	6169009	MS	METHOD	1613B	III
17-Dec-2010	SL-211-SA5B-SS-0.0-0.5MSD	6169010	MSD	METHOD	1613B	III
17-Dec-2010	SL-278-SA5B-SS-0.0-0.5	6169011	N	METHOD	1613B	III
17-Dec-2010	SL-273-SA5B-SS-0.0-0.5	6169014	N	METHOD	1613B	III
17-Dec-2010	SL-279-SA5B-SS-0.0-0.5	6169012	N	METHOD	1613B	III
17-Dec-2010	SL-272-SA5B-SS-0.0-0.5	6169015	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-160-SA5B-SS-0.0-0.5

Collected: 12/17/2010 11:22:00

Analysis 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	1.30	JB	0.0997	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	3.22	JB	0.0953	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.71	JB	0.0498	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.04	JB	0.0459	MDL	5.56	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.701	J	0.0486	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	6770	EB	0.110	MDL	11.1	PQL	ng/Kg	J	Z, *XI

Sample ID: SL-161-SA5B-SS-0.0-0.5

Collected: 12/17/2010 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
1,2,3,7,8,9-HXCDF	3.16	JB	0.116	MDL	6.00	PQL	ng/Kg	J	Z
OCDD	27400	EB	0.224	MDL	12.0	PQL	ng/Kg	J	*XI

Sample ID: SL-162-SA5B-SS-0.0-0.5

Collected: 12/17/2010 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	3400	EB	0.406	MDL	6.00	PQL	ng/Kg	J	*XI
OCDD	38700	EB	0.283	MDL	12.0	PQL	ng/Kg	J	*XI

Sample ID: SL-166-SA5B-SS-0.0-0.5

Collected: 12/17/2010 11:08:00

Analysis Type: 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	3.09	JB	0.0742	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.43	JB	0.0537	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.41	JB	0.0669	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.90	JB	0.0590	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.43	JB	0.0702	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.03	JB	0.0729	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.28	JB	0.0425	MDL	5.21	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.73	JB	0.0637	MDL	5.21	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.40	JB	0.0410	MDL	5.21	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.208	JQ	0.0396	MDL	1.04	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-166-SA5B-SS-0.0-0.5

Collected: 12/17/2010 11:08:00

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	0.681	JBQ	0.101	MDL	1.04	PQL	ng/Kg	J	Z
OCDD	6020	EB	0.0947	MDL	10.4	PQL	ng/Kg	J	*XI

Sample ID: SL-206-SA5B-SS-0.0-0.5

Collected: 12/17/2010 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
1,2,3,4,7,8,9-HPCDF	1.99	JB	0.0622	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	3.45	JBQ	0.0581	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.03	JB	0.0579	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.771	JB	0.0524	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.426	JBQ	0.0633	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.26	JB	0.0698	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.411	JB	0.0306	MDL	5.23	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.995	JB	0.0552	MDL	5.23	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.491	JB	0.0297	MDL	5.23	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.220	J	0.0390	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.172	JBQ	0.0643	MDL	1.05	PQL	ng/Kg	U	B

Sample ID: SL-207-SA5B-SS-0.0-0.5

Collected: 12/17/2010 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-HXCDF	4.86	JB	0.0844	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	4.13	JB	0.0754	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.39	JB	0.0838	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	4.59	JB	0.0547	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.08	JB	0.0517	MDL	5.31	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	1.04	J	0.0608	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	13600	EB	0.136	MDL	10.6	PQL	ng/Kg	J	*XI

Sample ID: SL-208-SA5B-SS-0.0-0.5

Collected: 12/17/2010 10:53:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.684	JB	0.0360	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.49	JB	0.0512	MDL	5.25	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	1613B	Matrix:	SO

Sample ID: SL-208-SA5B-SS-0.0-0.5

Collected: 12/17/2010 10:53:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.768	JBQ	0.0301	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.406	JB	0.0272	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.477	JB	0.0326	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.55	JB	0.0542	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.446	JBQ	0.0235	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.597	JB	0.0299	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.420	JB	0.0226	MDL	5.25	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.177	J	0.0284	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.179	JB	0.0458	MDL	1.05	PQL	ng/Kg	U	B
OCDD	4410	EB	0.101	MDL	10.5	PQL	ng/Kg	J	*XI

Sample ID: SL-209-SA5B-SS-0.0-0.5

Collected: 12/17/2010 11:42:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	5.00	JB	0.0752	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	5.05	JB	0.0663	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.39	JB	0.0739	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	3.54	JBQ	0.0890	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	3.53	JB	0.0406	MDL	5.35	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.34	JB	0.0412	MDL	5.35	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.666	JQ	0.0451	MDL	1.07	PQL	ng/Kg	J	Z
OCDD	9010	EB	0.101	MDL	10.7	PQL	ng/Kg	J	*XI

Sample ID: SL-210-SA5B-SS-0.0-0.5

Collected: 12/17/2010 11:28:00

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-HXCDF	4.47	JB	0.0710	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	4.54	JB	0.0636	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.18	JB	0.0754	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.13	JBQ	0.0903	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	3.60	JB	0.0449	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.17	JB	0.0454	MDL	5.27	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.614	J	0.0429	MDL	1.05	PQL	ng/Kg	J	Z
OCDD	7090	EB	0.0916	MDL	10.5	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	1613B	Matrix:	SO

Sample ID: SL-211-SA5B-SS-0.0-0.5

Collected: 12/17/2010 2:02:00

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-HPCDF	407	B	0.0997	MDL	5.64	PQL	ng/Kg	J	Q
1,2,3,7,8,9-HXCDF	4.22	JB	0.157	MDL	5.64	PQL	ng/Kg	J	Z
OCDF	906	B	0.0870	MDL	11.3	PQL	ng/Kg	J	Q
OCDD	22700	EB	0.183	MDL	11.3	PQL	ng/Kg	J	*XI

Sample ID: SL-272-SA5B-SS-0.0-0.5

Collected: 12/17/2010 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
1,2,3,4,7,8,9-HPCDF	0.503	JB	0.0285	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.74	JB	0.0461	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.611	JB	0.0293	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.308	JB	0.0258	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	4.08	JB	0.0443	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.378	JB	0.0351	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.01	JBQ	0.0506	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.223	JB	0.0192	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.463	JB	0.0287	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.292	JB	0.0181	MDL	5.26	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.132	JQ	0.0252	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.116	JBQ	0.0359	MDL	1.05	PQL	ng/Kg	U	B
OCDD	4560	EB	0.0685	MDL	10.5	PQL	ng/Kg	J	*XI

Sample ID: SL-273-SA5B-SS-0.0-0.5

Collected: 12/17/2010 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
1,2,3,7,8,9-HXCDF	1.63	JB	0.0615	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	3.35	JB	0.0400	MDL	5.34	PQL	ng/Kg	J	Z
OCDD	14000	EB	0.0840	MDL	10.7	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-274-SA5B-SS-0.0-0.5

Collected: 12/17/2010 11:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	2.78	JBQ	0.131	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	4.59	JB	0.0635	MDL	5.44	PQL	ng/Kg	J	Z
OCDD	14300	EB	0.164	MDL	10.9	PQL	ng/Kg	J	*XI

Sample ID: SL-275-SA5B-SS-0.0-0.5

Collected: 12/17/2010 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	0.357	JBQ	0.0496	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.540	JBQ	0.0480	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.363	JB	0.0433	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.68	JB	0.0504	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.309	JBQ	0.0382	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.57	JB	0.0467	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.541	JBQ	0.0433	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.402	JBQ	0.0507	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.538	JB	0.0289	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.437	JB	0.0385	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.611	JB	0.0277	MDL	5.34	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0595	J	0.0316	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.453	JBQ	0.0750	MDL	1.07	PQL	ng/Kg	J	Z

Sample ID: SL-276-SA5B-SS-0.0-0.5

Collected: 12/17/2010 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	0.580	JB	0.0450	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.687	JB	0.0484	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.712	JB	0.0385	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.94	JB	0.0504	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.546	JB	0.0342	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.09	JB	0.0470	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.666	JB	0.0407	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.452	JBQ	0.0580	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	3.67	JB	0.0360	MDL	5.21	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.687	JB	0.0349	MDL	5.21	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-276-SA5B-SS-0.0-0.5

Collected: 12/17/2010 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
2,3,4,7,8-PECDF	0.922	JB	0.0336	MDL	5.21	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.126	JQ	0.0353	MDL	1.04	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.632	JBQ	0.0830	MDL	1.04	PQL	ng/Kg	J	Z

Sample ID: SL-277-SA5B-SS-0.0-0.5

Collected: 12/17/2010 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
1,2,3,4,7,8,9-HPCDF	0.470	JB	0.0296	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.656	JB	0.0324	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.454	JB	0.0261	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.14	JB	0.0342	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.437	JB	0.0233	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.94	JB	0.0324	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.505	JB	0.0273	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.479	JB	0.0398	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.845	JB	0.0222	MDL	5.29	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.461	JB	0.0251	MDL	5.29	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.586	JB	0.0208	MDL	5.29	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0696	J	0.0240	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.369	JB	0.0542	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-278-SA5B-SS-0.0-0.5

Collected: 12/17/2010 2:11:00

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-HPCDF	3.25	JB	0.0373	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.441	JB	0.0520	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.529	JB	0.0467	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.417	JB	0.0366	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.33	JB	0.0503	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.418	JB	0.0336	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.45	JB	0.0465	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.558	JBQ	0.0398	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.424	JB	0.0407	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.685	JB	0.0280	MDL	5.24	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.561	JB	0.0358	MDL	5.24	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-278-SA5B-SS-0.0-0.5

Collected: 12/17/2010 2:11:00

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	0.676	JB	0.0265	MDL	5.24	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0650	JQ	0.0249	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.329	JBQ	0.0550	MDL	1.05	PQL	ng/Kg	J	Z
OCDF	7.83	JB	0.0354	MDL	10.5	PQL	ng/Kg	J	Z

Sample ID: SL-279-SA5B-SS-0.0-0.5

Collected: 12/17/2010 2:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.86	JB	0.0215	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.348	JB	0.0300	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.415	JB	0.0391	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.372	JB	0.0315	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.21	JB	0.0420	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.269	JB	0.0286	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.11	JB	0.0389	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.417	JB	0.0324	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.379	JBQ	0.0343	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.443	JB	0.0227	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.337	JB	0.0282	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.328	JB	0.0218	MDL	5.36	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0748	JQ	0.0247	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.238	JBQ	0.0452	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	10.2	JB	0.0327	MDL	10.7	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_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 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
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX028

Method Blank Outlier Report

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371611	1/26/2011 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 1,2,3,7,8,9-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	0.101 ng/Kg 0.107 ng/Kg 0.0537 ng/Kg 0.0220 ng/Kg 0.0378 ng/Kg 0.0244 ng/Kg 0.0493 ng/Kg 0.0263 ng/Kg 0.0436 ng/Kg 0.0277 ng/Kg 0.0319 ng/Kg 0.0491 ng/Kg 0.0683 ng/Kg 0.0308 ng/Kg 0.171 ng/Kg 0.216 ng/Kg	SL-160-SA5B-SS-0.0-0.5 SL-161-SA5B-SS-0.0-0.5 SL-162-SA5B-SS-0.0-0.5 SL-166-SA5B-SS-0.0-0.5 SL-206-SA5B-SS-0.0-0.5 SL-207-SA5B-SS-0.0-0.5 SL-208-SA5B-SS-0.0-0.5 SL-209-SA5B-SS-0.0-0.5 SL-210-SA5B-SS-0.0-0.5 SL-211-SA5B-SS-0.0-0.5 SL-272-SA5B-SS-0.0-0.5 SL-273-SA5B-SS-0.0-0.5 SL-274-SA5B-SS-0.0-0.5 SL-275-SA5B-SS-0.0-0.5 SL-276-SA5B-SS-0.0-0.5 SL-277-SA5B-SS-0.0-0.5 SL-278-SA5B-SS-0.0-0.5 SL-279-SA5B-SS-0.0-0.5
PBB372301	2/24/2011 11:01:00 PM	2,3,7,8-TCDF	0.0800 ng/Kg	SL-207-SA5B-SS-0.0-0.5
PBB372333	2/5/2011 11:33:00 PM	2,3,7,8-TCDF	0.0444 ng/Kg	SL-180-SA5B-SS-0.0-0.5 SL-161-SA5B-SS-0.0-0.5 SL-162-SA5B-SS-0.0-0.5 SL-166-SA5B-SS-0.0-0.5 SL-206-SA5B-SS-0.0-0.5 SL-207-SA5B-SS-0.0-0.5 SL-208-SA5B-SS-0.0-0.5 SL-209-SA5B-SS-0.0-0.5 SL-210-SA5B-SS-0.0-0.5 SL-211-SA5B-SS-0.0-0.5 SL-272-SA5B-SS-0.0-0.5 SL-273-SA5B-SS-0.0-0.5 SL-274-SA5B-SS-0.0-0.5 SL-275-SA5B-SS-0.0-0.5 SL-276-SA5B-SS-0.0-0.5 SL-277-SA5B-SS-0.0-0.5 SL-278-SA5B-SS-0.0-0.5 SL-279-SA5B-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-206-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.172 ng/Kg	0.172U ng/Kg
SL-208-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.179 ng/Kg	0.179U ng/Kg
SL-272-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.292 ng/Kg	0.292U ng/Kg
SL-272-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.116 ng/Kg	0.116U ng/Kg
SL-279-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.328 ng/Kg	0.328U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_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-211-SA5B-SS-0.0-0.5MS SL-211-SA5B-SS-0.0-0.5MSD (SL-211-SA5B-SS-0.0-0.5)	1,2,3,4,6,7,8-HPCDD OCDD	- 139	-315 -2137	40.00-135.00 40.00-135.00	21 (20.00) 25 (20.00)	1,2,3,4,6,7,8-HPCDD OCDD	No Qual, >4x
SL-211-SA5B-SS-0.0-0.5MSD (SL-211-SA5B-SS-0.0-0.5)	1,2,3,4,6,7,8-HPCDF OCDF	- -	23 16	40.00-135.00 40.00-135.00	- -	1,2,3,4,6,7,8-HPCDF OCDF	J(all detects) UJ(all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-160-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	1.30	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	3.22	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.71	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.04	5.56	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.701	1.11	PQL	ng/Kg	
SL-161-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	3.16	6.00	PQL	ng/Kg	J (all detects)
SL-166-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	3.09	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.43	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.41	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.90	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.43	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.03	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.28	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.73	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.40	5.21	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.208	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.681	1.04	PQL	ng/Kg	
SL-206-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.99	5.23	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	3.45	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.03	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.771	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.426	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.26	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.411	5.23	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.995	5.23	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.491	5.23	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.220	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.172	1.05	PQL	ng/Kg	
SL-207-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HXCDF	JB	4.86	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,6,7,8-HXCDF	JB	4.13	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.39	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	4.59	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.08	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	J	1.04	1.06	PQL	ng/Kg	
SL-208-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.684	5.25	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.49	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.768	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.406	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.477	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.55	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.446	5.25	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.597	5.25	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.420	5.25	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.177	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.179	1.05	PQL	ng/Kg	
SL-209-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HXCDF	JB	5.00	5.35	PQL	ng/Kg	J (all detects)
	1,2,3,6,7,8-HXCDF	JB	5.05	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.39	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	3.54	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	3.53	5.35	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.34	5.35	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.666	1.07	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 8:29:30 AM

ADR version 1.4.0.111

Page 1 of 3

Reporting Limit Outliers

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-210-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HXCDF	JB	4.47	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,6,7,8-HXCDF	JB	4.54	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.18	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	2.13	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	3.60	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.17	5.27	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.614	1.05	PQL	ng/Kg	
SL-211-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	4.22	5.64	PQL	ng/Kg	J (all detects)
SL-272-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.503	5.26	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.74	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.611	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.308	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	4.08	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.378	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	1.01	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.223	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.463	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.292	5.26	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.132	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.116	1.05	PQL	ng/Kg	
SL-273-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	1.63	5.34	PQL	ng/Kg	J (all detects)
	2,3,4,7,8-PECDF	JB	3.35	5.34	PQL	ng/Kg	
SL-274-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HXCDF	JBQ	2.78	5.44	PQL	ng/Kg	J (all detects)
	2,3,4,7,8-PECDF	JB	4.59	5.44	PQL	ng/Kg	
SL-275-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JBQ	0.357	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.540	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.363	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.68	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.309	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.57	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.541	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.402	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.538	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.437	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.611	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0595	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.453	1.07	PQL	ng/Kg	
SL-276-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.580	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.687	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.712	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.94	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.546	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.09	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.666	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.452	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	3.67	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.687	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.922	5.21	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.126	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.632	1.04	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX028

Laboratory: LL

EDD Filename: DX028_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-277-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.470	5.29	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.656	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.454	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.14	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.437	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.94	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.505	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.479	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.845	5.29	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.461	5.29	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.586	5.29	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0696	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.369	1.06	PQL	ng/Kg	
SL-278-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.25	5.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.441	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.529	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.417	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.33	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.418	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.45	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.558	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.424	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.685	5.24	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.561	5.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.676	5.24	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0650	1.05	PQL	ng/Kg	
SL-279-SA5B-SS-0.0-0.5	2,3,7,8-TCDF	JBQ	0.329	1.05	PQL	ng/Kg	J (all detects)
	OCDF	JB	7.83	10.5	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	4.86	5.36	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.348	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.415	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.372	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.21	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.269	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.11	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.417	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.379	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.443	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.337	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.328	5.36	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0748	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.238	1.07	PQL	ng/Kg	
	OCDF	JB	10.2	10.7	PQL	ng/Kg	

VALIDATION FINDINGS WORKSHEET Compound Quantitation and Reported CRQLs

Page: 1 of 1

Reviewer: A

2nd Reviewer:

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

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	Compound	Finding	Associated Samples	Qualifications
		OCDD	> calibration range	SL-162-SASB-SS-Q.D.O.S	J det / P
				-1161-	
				-166-	
				-207-	
				-208-	
				-209-	
				-210-	
				-211-	
				-272-	
				-273-	
				-274-	
		1,2,3,4,6,7,8-HpCDD	> calibration range	SL-162-SASB-SS-Q.D.O.S	J det / P
		OCDD			

Comments: See sample calculation verification worksheet for recalculations

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

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?

(✓) N N/A

[illegible]

Comments:

SAMPLE DELIVERY GROUP

DX029

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-Dec-2010	SED-014-SIV-SD-0.0-0.5	6169034	N	METHOD	1613B	IV
17-Dec-2010	SL-282-SA5B-SB-4.0-5.0	6169039	N	METHOD	1613B	IV
17-Dec-2010	SED-012-SIV-SD-0.0-0.5	6169035	N	METHOD	1613B	IV
17-Dec-2010	SL-282-SA5B-SB-7.0-8.0	6169040	N	METHOD	1613B	IV
17-Dec-2010	SED-004-SIV-SD-0.0-0.5	6169038	N	METHOD	1613B	IV
17-Dec-2010	SL-281-SA5B-SB-4.0-5.0	6169041	N	METHOD	1613B	IV
17-Dec-2010	EB05-SA5B-121710	6169032	EB	METHOD	1613B	IV
17-Dec-2010	EB01-SIV-121710	6169033	EB	METHOD	1613B	IV
17-Dec-2010	SL-281-SA5B-SB-8.0-9.0	6169042	N	METHOD	1613B	IV
17-Dec-2010	SED-001-SIV-SD-0.0-0.5	6169037	N	METHOD	1613B	IV
17-Dec-2010	DUP08-SA5B-QC-121710	6169031	FD	METHOD	1613B	IV
17-Dec-2010	SL-026-SA5B-SB-4.0-5.0	6169043	N	METHOD	1613B	IV
17-Dec-2010	SL-026-SA5B-SB-9.0-10	6169044	N	METHOD	1613B	IV
17-Dec-2010	SED-006-SIV-SD-0.0-0.5	6169036	N	METHOD	1613B	IV
20-Dec-2010	SED-005-SIV-SD-0.0-0.5	6172048	N	METHOD	1613B	IV
20-Dec-2010	SED-005-SIV-SD-0.0-0.5MS	6172049	MS	METHOD	1613B	IV
20-Dec-2010	SED-005-SIV-SD-0.0-0.5MSD	6172050	MSD	METHOD	1613B	IV
20-Dec-2010	DUP01-SIV-QC-122010	6172046	FD	METHOD	1613B	IV
20-Dec-2010	SED-003-SIV-SD-0.0-0.5	6172047	N	METHOD	1613B	IV
20-Dec-2010	SED-008-SIV-SD-0.0-0.5	6172052	N	METHOD	1613B	IV
20-Dec-2010	SED-007-SIV-SD-0.0-0.6	6172051	N	METHOD	1613B	IV
20-Dec-2010	SED-037-SIV-SD-0.0-0.5	6172054	N	METHOD	1613B	IV
20-Dec-2010	SED-034-SIV-SD-0.0-0.5	6172053	N	METHOD	1613B	IV

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB01-SIV-121710

Collected: 12/17/2010 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	1.91	JBQ	0.177	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.69	JB	0.0843	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.377	JBQ	0.0955	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.522	JB	0.113	MDL	10.8	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.185	JBQ	0.144	MDL	10.8	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.325	JBQ	0.107	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.194	JBQ	0.146	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.252	JBQ	0.108	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.529	JBQ	0.283	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.139	JBQ	0.114	MDL	10.8	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.283	JBQ	0.101	MDL	10.8	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.626	JB	0.0958	MDL	10.8	PQL	pg/L	U	B
2,3,7,8-TCDD	0.546	U	0.546	MDL	2.16	PQL	pg/L	UJ	I
OCDD	13.7	JB	0.197	MDL	21.6	PQL	pg/L	J	Z
OCDF	1.41	JBQ	0.198	MDL	21.6	PQL	pg/L	U	B

Sample ID: EB05-SA5B-121710

Collected: 12/17/2010 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	0.726	JBQ	0.214	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.18	JBQ	0.0890	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.193	JBQ	0.103	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.379	JBQ	0.114	MDL	10.9	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.332	JBQ	0.111	MDL	10.9	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.250	JBQ	0.179	MDL	10.9	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.355	JBQ	0.112	MDL	10.9	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.220	JBQ	0.146	MDL	10.9	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.344	JBQ	0.103	MDL	10.9	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.732	JB	0.120	MDL	10.9	PQL	pg/L	U	B
2,3,7,8-TCDD	2.31	U	2.31	MDL	2.31	PQL	pg/L	UJ	I
OCDD	1.35	JB	0.225	MDL	21.8	PQL	pg/L	U	B
OCDF	0.858	JBQ	0.233	MDL	21.8	PQL	pg/L	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP01-SIV-QC-122010

Collected: 12/20/2010 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-HPCDF	2.18	JB	0.0236	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.230	JB	0.0337	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.178	JBQ	0.0576	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.430	JB	0.0477	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.893	JBQ	0.0590	MDL	6.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.379	JB	0.0423	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.927	JB	0.0582	MDL	6.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.430	JB	0.0514	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.256	JB	0.0514	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.94	JB	0.0419	MDL	6.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.516	JB	0.0456	MDL	6.31	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.819	JB	0.0422	MDL	6.31	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0424	JQ	0.0395	MDL	1.26	PQL	ng/Kg	J	Z, FD
OCDF	3.65	JB	0.0494	MDL	12.6	PQL	ng/Kg	J	Z

Sample ID: DUP08-SA5B-QC-121710

Collected: 12/17/2010 2:07:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2720	EB	0.320	MDL	5.61	PQL	ng/Kg	J	*XI
1,2,3,7,8,9-HXCDF	4.86	JB	0.198	MDL	5.61	PQL	ng/Kg	J	Z
OCDD	26800	EB	0.278	MDL	11.2	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-001-SIV-SD-0.0-0.5

Collected: 12/17/2010 12:41:00

Analysis Type: RES

Dilution: 1

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	4.60	JB	0.0356	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.421	JBQ	0.0485	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.500	JB	0.0714	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	1.12	JB	0.0610	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.56	JB	0.0747	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.03	JB	0.0576	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	1.21	JB	0.0709	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.563	JB	0.0625	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.673	JB	0.0596	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.66	JB	0.0580	MDL	5.69	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0787	J	0.0567	MDL	1.14	PQL	ng/Kg	J	Z
OCDF	4.93	JB	0.0487	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SED-003-SIV-SD-0.0-0.5

Collected: 12/20/2010 9:46:00

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-HPCDF	4.73	JB	0.0299	MDL	6.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.478	JBQ	0.0502	MDL	6.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.364	JB	0.0760	MDL	6.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.615	JB	0.0536	MDL	6.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.06	JB	0.0809	MDL	6.77	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.430	JB	0.0486	MDL	6.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.712	JB	0.0752	MDL	6.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.294	JB	0.0609	MDL	6.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.245	JB	0.0816	MDL	6.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.98	JB	0.0510	MDL	6.77	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.489	JB	0.0522	MDL	6.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.831	JBQ	0.0490	MDL	6.77	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.108	JQ	0.0541	MDL	1.35	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.719	JQ	0.124	MDL	1.35	PQL	ng/Kg	J	Z
OCDF	8.23	JB	0.0748	MDL	13.5	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-004-SIV-SD-0.0-0.5

Collected: 12/17/2010 11:42:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.825	JB	0.0632	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.231	JB	0.0691	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.525	JB	0.0557	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.850	JB	0.0715	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.521	JB	0.0485	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.590	JB	0.0725	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.224	JB	0.0624	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.209	JBQ	0.0458	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.480	JB	0.0295	MDL	6.19	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.660	JB	0.0548	MDL	6.19	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.283	JB	0.0295	MDL	6.19	PQL	ng/Kg	U	B

Sample ID: SED-005-SIV-SD-0.0-0.5

Collected: 12/20/2010 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-HPCDF	2.11	JB	0.0267	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.261	JBQ	0.0391	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.230	JB	0.0614	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.388	JBQ	0.0514	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.918	JB	0.0655	MDL	6.18	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.404	JBQ	0.0440	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.990	JB	0.0604	MDL	6.18	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.473	JB	0.0564	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.283	JBQ	0.0578	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	2.12	JB	0.0476	MDL	6.18	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.438	JB	0.0491	MDL	6.18	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.809	JB	0.0475	MDL	6.18	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0511	U	0.0511	MDL	1.24	PQL	ng/Kg	UJ	FD
OCDF	3.16	JB	0.0512	MDL	12.4	PQL	ng/Kg	J	Z

Sample ID: SED-006-SIV-SD-0.0-0.5

Collected: 12/17/2010 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-HPCDF	4.64	JB	0.0543	MDL	6.24	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-006-SIV-SD-0.0-0.5

Collected: 12/17/2010 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
1,2,3,4,7,8,9-HPCDF	0.395	JBQ	0.0760	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.375	JB	0.0876	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.544	JB	0.0714	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.69	JB	0.0875	MDL	6.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.594	JB	0.0659	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	1.51	JB	0.0883	MDL	6.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.03	JB	0.0748	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.38	JB	0.0592	MDL	6.24	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.615	JB	0.0695	MDL	6.24	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.28	JB	0.0603	MDL	6.24	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0794	JQ	0.0486	MDL	1.25	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.10	J	0.147	MDL	1.25	PQL	ng/Kg	J	Z
OCDF	9.52	JB	0.0597	MDL	12.5	PQL	ng/Kg	J	Z

Sample ID: SED-007-SIV-SD-0.0-0.6

Collected: 12/20/2010 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
1,2,3,4,7,8,9-HPCDF	1.00	JB	0.0529	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.782	JB	0.109	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	3.30	JB	0.142	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.45	JB	0.0945	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.80	JB	0.106	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.39	JB	0.0738	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.690	JB	0.0710	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.580	JBQ	0.0908	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.751	JB	0.0717	MDL	6.08	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.90	JB	0.0607	MDL	6.08	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.16	JB	0.0807	MDL	6.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.130	JQ	0.0521	MDL	1.22	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.307	J	0.166	MDL	1.22	PQL	ng/Kg	J	Z
OCDF	9.62	JB	0.0602	MDL	12.2	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-008-SIV-SD-0.0-0.5

Collected: 12/20/2010 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	3.91	JB	0.0730	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.517	JBQ	0.0941	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.444	JBQ	0.102	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.673	JB	0.0743	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.37	JB	0.103	MDL	7.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.695	JB	0.0701	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	1.28	JB	0.100	MDL	7.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.331	JBQ	0.0874	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	3.10	JB	0.0749	MDL	7.43	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.653	JB	0.0738	MDL	7.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.17	JB	0.0719	MDL	7.43	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.10	J	0.158	MDL	1.49	PQL	ng/Kg	J	Z
OCDF	7.73	JB	0.119	MDL	14.9	PQL	ng/Kg	J	Z

Sample ID: SED-012-SIV-SD-0.0-0.5

Collected: 12/17/2010 10:24:00

Analysis Type: RES

Dilution: 1

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	2.37	JB	0.0340	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.213	JB	0.0454	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.226	JBQ	0.0497	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.166	JBQ	0.0350	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.776	JB	0.0508	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.177	JBQ	0.0299	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.401	JB	0.0518	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0960	JB	0.0369	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.219	JBQ	0.0464	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.152	JBQ	0.0305	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.226	JBQ	0.0338	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.266	JBQ	0.0251	MDL	5.31	PQL	ng/Kg	U	B
OCDF	5.17	JB	0.0334	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SED-014-SIV-SD-0.0-0.5

Collected: 12/17/2010 8:44:00

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	4430	EB	0.410	MDL	5.88	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-014-SIV-SD-0.0-0.5

Collected: 12/17/2010 8:44:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	2.86	JB	0.235	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.80	JB	0.107	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.711	JB	0.0765	MDL	5.88	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.14	JB	0.0721	MDL	5.88	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.217	J	0.0620	MDL	1.18	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.384	JQ	0.111	MDL	1.18	PQL	ng/Kg	J	Z
OCDD	49800	EB	0.354	MDL	11.8	PQL	ng/Kg	J	*XI

Sample ID: SED-034-SIV-SD-0.0-0.5

Collected: 12/20/2010 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
1,2,3,4,6,7,8-HPCDD	3.56	JB	0.0862	MDL	6.43	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.40	JB	0.0540	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.183	JBQ	0.0725	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.139	JBQ	0.0623	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.258	JBQ	0.0509	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.303	JBQ	0.0674	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.215	JB	0.0469	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.266	JB	0.0620	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.133	JBQ	0.0553	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0979	JB	0.0481	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.190	JB	0.0389	MDL	6.43	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.369	JB	0.0490	MDL	6.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.572	JB	0.0386	MDL	6.43	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.194	JQ	0.0753	MDL	1.29	PQL	ng/Kg	U	B
OCDF	2.13	JB	0.0815	MDL	12.9	PQL	ng/Kg	U	B

Sample ID: SED-037-SIV-SD-0.0-0.5

Collected: 12/20/2010 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-HPCDF	4.92	JB	0.0450	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.454	JB	0.0570	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.876	JB	0.0732	MDL	6.98	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.857	JB	0.0630	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	3.80	JB	0.0788	MDL	6.98	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-037-SIV-SD-0.0-0.5

Collected: 12/20/2010 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
1,2,3,6,7,8-HXCDF	0.664	JB	0.0589	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	2.40	JB	0.0728	MDL	6.98	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.353	JBQ	0.0656	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.903	JBQ	0.121	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.57	JB	0.0606	MDL	6.98	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.819	JB	0.0603	MDL	6.98	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.16	JB	0.0578	MDL	6.98	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.139	JQ	0.0807	MDL	1.40	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.19	J	0.152	MDL	1.40	PQL	ng/Kg	J	Z
OCDF	8.47	JB	0.0793	MDL	14.0	PQL	ng/Kg	J	Z

Sample ID: SL-026-SA5B-SB-4.0-5.0

Collected: 12/17/2010 3:08:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.324	JB	0.0399	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.422	JB	0.0181	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0561	JBQ	0.0252	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0382	JBQ	0.0290	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0737	JBQ	0.0201	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0518	JBQ	0.0292	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0466	JB	0.0181	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0703	JBQ	0.0229	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0710	JBQ	0.0445	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0306	JB	0.0214	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.117	JB	0.0202	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0833	JB	0.0217	MDL	5.62	PQL	ng/Kg	U	B
OCDD	1.25	JB	0.0466	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.430	JBQ	0.0520	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-026-SA5B-SB-9.0-10

Collected: 12/17/2010 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	0.293	JB	0.0418	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.425	JB	0.0195	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0481	JBQ	0.0246	MDL	5.46	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-026-SA5B-SB-9.0-10

Collected: 12/17/2010 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
1,2,3,4,7,8-HXCDF	0.0869	JBQ	0.0237	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0607	JBQ	0.0324	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0610	JB	0.0226	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0935	JBQ	0.0308	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0646	JBQ	0.0262	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0558	JBQ	0.0381	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0518	JBQ	0.0203	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.160	JBQ	0.0230	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.108	JBQ	0.0202	MDL	5.46	PQL	ng/Kg	U	B
OCDD	1.26	JB	0.0464	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.365	JB	0.0471	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-281-SA5B-SB-4.0-5.0

Collected: 12/17/2010 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	0.625	JB	0.0600	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.454	JB	0.0231	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0894	JB	0.0309	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.130	JBQ	0.0276	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0948	JB	0.0387	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0748	JB	0.0243	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.109	JB	0.0370	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.217	JBQ	0.0329	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0767	JBQ	0.0294	MDL	5.97	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.127	JBQ	0.0270	MDL	5.97	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.135	JB	0.0307	MDL	5.97	PQL	ng/Kg	U	B
OCDD	2.34	JB	0.0472	MDL	11.9	PQL	ng/Kg	U	B
OCDF	0.399	JBQ	0.0613	MDL	11.9	PQL	ng/Kg	U	B

Sample ID: SL-281-SA5B-SB-8.0-9.0

Collected: 12/17/2010 12:37:00

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	0.797	JB	0.0628	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.491	JB	0.0225	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0860	JB	0.0322	MDL	5.71	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-281-SA5B-SB-8.0-9.0

Collected: 12/17/2010 12:37:00 Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.0812	JB	0.0354	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.286	JB	0.0412	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0979	JBQ	0.0318	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.441	JB	0.0402	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.301	JB	0.0394	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0821	JB	0.0636	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0816	JBQ	0.0295	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.151	JBQ	0.0345	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.138	JBQ	0.0299	MDL	5.71	PQL	ng/Kg	U	B
OCDD	4.41	JB	0.0505	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.458	JBQ	0.0551	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-282-SA5B-SB-4.0-5.0

Collected: 12/17/2010 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-HPCDD	1.02	JB	0.0686	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.645	JB	0.0303	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0727	JBQ	0.0385	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0465	JBQ	0.0371	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.144	JBQ	0.0359	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.144	JB	0.0374	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.124	JBQ	0.0329	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.182	JBQ	0.0373	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.263	JB	0.0397	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.118	JBQ	0.0466	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.125	JB	0.0292	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.192	JBQ	0.0353	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.140	JBQ	0.0282	MDL	5.47	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0693	JQ	0.0575	MDL	1.09	PQL	ng/Kg	U	B
OCDF	0.785	JB	0.0617	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-282-SA5B-SB-7.0-8.0

Collected: 12/17/2010 10:28:00 Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.415	JB	0.0482	MDL	5.48	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-282-SA5B-SB-7.0-8.0

Collected: 12/17/2010 10:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.469	JB	0.0237	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0590	JB	0.0308	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0353	JBQ	0.0318	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0919	JB	0.0283	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0973	JBQ	0.0345	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0951	JBQ	0.0254	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.146	JBQ	0.0323	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.152	JBQ	0.0304	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0757	JB	0.0255	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.142	JB	0.0280	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0842	JB	0.0244	MDL	5.48	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0826	JQ	0.0508	MDL	1.10	PQL	ng/Kg	U	B
OCDD	1.60	JB	0.0475	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.331	JBQ	0.0484	MDL	11.0	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_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 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
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: PrepDX029_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX029

Method Blank Outlier Report

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371629	12/30/2010 4:29:00 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 2,3,7,8-TCDF OCDD OCDF	1.35 pg/L 1.41 pg/L 0.582 pg/L 0.485 pg/L 0.599 pg/L 0.512 pg/L 0.568 pg/L 0.483 pg/L 0.637 pg/L 0.684 pg/L 0.474 pg/L 0.505 pg/L 0.810 pg/L 2.81 pg/L 0.181 pg/L 2.39 pg/L 1.43 pg/L	EB01-SIV-121710 EB05-SA5B-121710

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
EB01-SIV-121710(RES)	1,2,3,4,6,7,8-HPCDD	1.91 pg/L	1.91U pg/L
EB01-SIV-121710(RES)	1,2,3,4,8,7,8-HPCDF	1.69 pg/L	1.69U pg/L
EB01-SIV-121710(RES)	1,2,3,4,7,8,9-HPCDF	0.377 pg/L	0.377U pg/L
EB01-SIV-121710(RES)	1,2,3,4,7,8-HxCDF	0.522 pg/L	0.522U pg/L
EB01-SIV-121710(RES)	1,2,3,6,7,8-HxCDD	0.185 pg/L	0.185U pg/L
EB01-SIV-121710(RES)	1,2,3,6,7,8-HxCDF	0.325 pg/L	0.325U pg/L
EB01-SIV-121710(RES)	1,2,3,7,8,9-HxCDD	0.194 pg/L	0.194U pg/L
EB01-SIV-121710(RES)	1,2,3,7,8,9-HxCDF	0.252 pg/L	0.252U pg/L
EB01-SIV-121710(RES)	1,2,3,7,8-PECDD	0.529 pg/L	0.529U pg/L
EB01-SIV-121710(RES)	1,2,3,7,8-PECDF	0.139 pg/L	0.139U pg/L
EB01-SIV-121710(RES)	2,3,4,6,7,8-HxCDF	0.283 pg/L	0.283U pg/L
EB01-SIV-121710(RES)	2,3,4,7,8-PECDF	0.626 pg/L	0.626U pg/L
EB01-SIV-121710(RES)	OCDF	1.41 pg/L	1.41U pg/L
EB05-SA5B-121710(RES)	1,2,3,4,6,7,8-HPCDD	0.726 pg/L	0.726U pg/L
EB05-SA5B-121710(RES)	1,2,3,4,6,7,8-HPCDF	1.18 pg/L	1.18U pg/L
EB05-SA5B-121710(RES)	1,2,3,4,7,8,9-HPCDF	0.193 pg/L	0.193U pg/L
EB05-SA5B-121710(RES)	1,2,3,4,7,8-HxCDF	0.379 pg/L	0.379U pg/L
EB05-SA5B-121710(RES)	1,2,3,6,7,8-HxCDF	0.332 pg/L	0.332U pg/L
EB05-SA5B-121710(RES)	1,2,3,7,8,9-HxCDD	0.250 pg/L	0.250U pg/L
EB05-SA5B-121710(RES)	1,2,3,7,8,9-HxCDF	0.355 pg/L	0.355U pg/L
EB05-SA5B-121710(RES)	1,2,3,7,8-PECDF	0.220 pg/L	0.220U pg/L
EB05-SA5B-121710(RES)	2,3,4,6,7,8-HxCDF	0.344 pg/L	0.344U pg/L
EB05-SA5B-121710(RES)	2,3,4,7,8-PECDF	0.732 pg/L	0.732U pg/L
EB05-SA5B-121710(RES)	OCDD	1.35 pg/L	1.35U pg/L
EB05-SA5B-121710(RES)	OCDF	0.858 pg/L	0.858U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB372325	1/27/2011 11:25:00 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	0.437 ng/Kg 1.49 ng/Kg 0.200 ng/Kg 0.147 ng/Kg 0.209 ng/Kg 0.162 ng/Kg 0.226 ng/Kg 0.167 ng/Kg 0.206 ng/Kg 0.199 ng/Kg 0.199 ng/Kg 0.207 ng/Kg 0.230 ng/Kg 1.37 ng/Kg 0.495 ng/Kg	DUP01-SIV-QC-122010 DUP08-SA5B-QC-121710 SED-001-SIV-SD-0.0-0.5 SED-003-SIV-SD-0.0-0.5 SED-004-SIV-SD-0.0-0.5 SED-005-SIV-SD-0.0-0.5 SED-006-SIV-SD-0.0-0.5 SED-008-SIV-SD-0.0-0.5 SED-012-SIV-SD-0.0-0.5 SED-014-SIV-SD-0.0-0.5 SED-034-SIV-SD-0.0-0.5 SED-037-SIV-SD-0.0-0.5 SL-026-SA5B-SB-4.0-5.0 SL-026-SA5B-SB-9.0-10 SL-281-SA5B-SB-4.0-5.0 SL-281-SA5B-SB-8.0-9.0 SL-282-SA5B-SB-4.0-5.0 SL-282-SA5B-SB-7.0-8.0
BLK0320B372059	2/7/2011 8:59:00 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	0.219 ng/Kg 0.242 ng/Kg 0.0453 ng/Kg 0.0361 ng/Kg 0.0659 ng/Kg 0.0384 ng/Kg 0.0508 ng/Kg 0.0359 ng/Kg 0.0588 ng/Kg 0.0510 ng/Kg 0.0415 ng/Kg 0.0823 ng/Kg 0.106 ng/Kg 0.513 ng/Kg 0.298 ng/Kg	SED-007-SIV-SD-0.0-0.6
PBB371255	2/6/2011 12:55:00 PM	2,3,7,8-TCDF	0.0679 ng/Kg	DUP01-SIV-QC-122010 DUP08-SA5B-QC-121710 SED-001-SIV-SD-0.0-0.5 SED-003-SIV-SD-0.0-0.5 SED-004-SIV-SD-0.0-0.5 SED-005-SIV-SD-0.0-0.5 SED-006-SIV-SD-0.0-0.5 SED-008-SIV-SD-0.0-0.5 SED-012-SIV-SD-0.0-0.5 SED-014-SIV-SD-0.0-0.5 SED-034-SIV-SD-0.0-0.5 SED-037-SIV-SD-0.0-0.5 SL-026-SA5B-SB-4.0-5.0 SL-026-SA5B-SB-9.0-10 SL-281-SA5B-SB-4.0-5.0 SL-281-SA5B-SB-8.0-9.0 SL-282-SA5B-SB-4.0-5.0 SL-282-SA5B-SB-7.0-8.0

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-SIV-QC-122010(RES)	1,2,3,4,6,7,8-HPCDF	2.18 ng/Kg	2.16U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,4,7,8,9-HPCDF	0.230 ng/Kg	0.230U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,4,7,8-HxCDD	0.178 ng/Kg	0.178U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,4,7,8-HxCDF	0.430 ng/Kg	0.430U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,6,7,8-HxCDF	0.379 ng/Kg	0.379U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,7,8,9-HxCDF	0.430 ng/Kg	0.430U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,7,8-PECDD	0.256 ng/Kg	0.256U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_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
DUP01-SIV-QC-122010(RES)	2,3,4,6,7,8-HXCDF	0.516 ng/Kg	0.516U ng/Kg
DUP01-SIV-QC-122010(RES)	2,3,4,7,8-PECDF	0.819 ng/Kg	0.819U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	4.60 ng/Kg	4.60U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.421 ng/Kg	0.421U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.500 ng/Kg	0.500U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	1.03 ng/Kg	1.03U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.563 ng/Kg	0.563U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.673 ng/Kg	0.673U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	4.73 ng/Kg	4.73U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.478 ng/Kg	0.478U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.364 ng/Kg	0.364U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.615 ng/Kg	0.615U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.430 ng/Kg	0.430U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.712 ng/Kg	0.712U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.294 ng/Kg	0.294U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.245 ng/Kg	0.245U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.469 ng/Kg	0.469U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.831 ng/Kg	0.831U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.825 ng/Kg	0.825U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.231 ng/Kg	0.231U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.525 ng/Kg	0.525U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.521 ng/Kg	0.521U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.590 ng/Kg	0.590U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.224 ng/Kg	0.224U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.209 ng/Kg	0.209U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.480 ng/Kg	0.480U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.660 ng/Kg	0.660U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.283 ng/Kg	0.283U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	2.11 ng/Kg	2.11U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.261 ng/Kg	0.261U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.230 ng/Kg	0.230U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.388 ng/Kg	0.388U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.404 ng/Kg	0.404U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.473 ng/Kg	0.473U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.283 ng/Kg	0.283U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.438 ng/Kg	0.438U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.809 ng/Kg	0.809U ng/Kg
SED-006-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	4.64 ng/Kg	4.64U ng/Kg
SED-006-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.395 ng/Kg	0.395U ng/Kg
SED-006-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.375 ng/Kg	0.375U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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ADR version 1.3.0.71

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Method Blank Outlier Report

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_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
SED-006-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.544 ng/Kg	0.544U ng/Kg
SED-006-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.594 ng/Kg	0.594U ng/Kg
SED-006-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	1.03 ng/Kg	1.03U ng/Kg
SED-006-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.615 ng/Kg	0.615U ng/Kg
SED-008-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	3.91 ng/Kg	3.91U ng/Kg
SED-008-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.517 ng/Kg	0.517U ng/Kg
SED-008-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.444 ng/Kg	0.444U ng/Kg
SED-008-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.673 ng/Kg	0.673U ng/Kg
SED-008-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.695 ng/Kg	0.695U ng/Kg
SED-008-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.331 ng/Kg	0.331U ng/Kg
SED-008-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.653 ng/Kg	0.653U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	2.37 ng/Kg	2.37U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.213 ng/Kg	0.213U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.226 ng/Kg	0.226U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.166 ng/Kg	0.166U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HxCDD	0.776 ng/Kg	0.776U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.177 ng/Kg	0.177U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HxCDD	0.401 ng/Kg	0.401U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0960 ng/Kg	0.0960U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.219 ng/Kg	0.219U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.152 ng/Kg	0.152U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.228 ng/Kg	0.226U ng/Kg
SED-012-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.266 ng/Kg	0.266U ng/Kg
SED-014-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.711 ng/Kg	0.711U ng/Kg
SED-014-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	1.14 ng/Kg	1.14U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	1.40 ng/Kg	1.40U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.183 ng/Kg	0.183U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.139 ng/Kg	0.139U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.258 ng/Kg	0.258U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HxCDD	0.303 ng/Kg	0.303U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.215 ng/Kg	0.215U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HxCDD	0.266 ng/Kg	0.266U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.133 ng/Kg	0.133U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0979 ng/Kg	0.0979U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.190 ng/Kg	0.190U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.369 ng/Kg	0.369U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.572 ng/Kg	0.572U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDF	0.194 ng/Kg	0.194U ng/Kg
SED-034-SIV-SD-0.0-0.5(RES)	OCDF	2.13 ng/Kg	2.13U ng/Kg
SED-037-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	4.92 ng/Kg	4.92U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_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
SED-037-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.454 ng/Kg	0.454U ng/Kg
SED-037-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.857 ng/Kg	0.857U ng/Kg
SED-037-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.664 ng/Kg	0.664U ng/Kg
SED-037-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.353 ng/Kg	0.353U ng/Kg
SED-037-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.903 ng/Kg	0.903U ng/Kg
SED-037-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.819 ng/Kg	0.819U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.324 ng/Kg	0.324U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.422 ng/Kg	0.422U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0561 ng/Kg	0.0561U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0382 ng/Kg	0.0382U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0737 ng/Kg	0.0737U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0518 ng/Kg	0.0518U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0466 ng/Kg	0.0466U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0703 ng/Kg	0.0703U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0710 ng/Kg	0.0710U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0306 ng/Kg	0.0306U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.117 ng/Kg	0.117U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0833 ng/Kg	0.0833U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	OCDD	1.25 ng/Kg	1.25U ng/Kg
SL-026-SA5B-SB-4.0-5.0(RES)	OCDF	0.430 ng/Kg	0.430U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	1,2,3,4,6,7,8-HPCDD	0.293 ng/Kg	0.293U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	1,2,3,4,6,7,8-HPCDF	0.425 ng/Kg	0.425U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	1,2,3,4,7,8,9-HPCDF	0.0481 ng/Kg	0.0481U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	1,2,3,4,7,8-HXCDF	0.0869 ng/Kg	0.0869U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	1,2,3,6,7,8-HXCDD	0.0607 ng/Kg	0.0607U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	1,2,3,6,7,8-HXCDF	0.0610 ng/Kg	0.0610U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	1,2,3,7,8,9-HXCDD	0.0935 ng/Kg	0.0935U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	1,2,3,7,8,9-HXCDF	0.0646 ng/Kg	0.0646U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	1,2,3,7,8-PECDD	0.0558 ng/Kg	0.0558U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	1,2,3,7,8-PECDF	0.0518 ng/Kg	0.0518U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	2,3,4,6,7,8-HXCDF	0.160 ng/Kg	0.160U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	2,3,4,7,8-PECDF	0.108 ng/Kg	0.108U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	OCDD	1.26 ng/Kg	1.26U ng/Kg
SL-026-SA5B-SB-9.0-10(RES)	OCDF	0.365 ng/Kg	0.365U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.625 ng/Kg	0.625U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.454 ng/Kg	0.454U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0894 ng/Kg	0.0894U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.130 ng/Kg	0.130U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0948 ng/Kg	0.0948U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0748 ng/Kg	0.0748U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_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-281-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.109 ng/Kg	0.109U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.217 ng/Kg	0.217U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0767 ng/Kg	0.0767U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.127 ng/Kg	0.127U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.135 ng/Kg	0.135U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	OCDD	2.34 ng/Kg	2.34U ng/Kg
SL-281-SA5B-SB-4.0-5.0(RES)	OCDF	0.399 ng/Kg	0.399U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDD	0.797 ng/Kg	0.797U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDF	0.491 ng/Kg	0.491U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0860 ng/Kg	0.0860U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8-HxCDF	0.0812 ng/Kg	0.0812U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	1,2,3,6,7,8-HxCDD	0.286 ng/Kg	0.286U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	1,2,3,6,7,8-HxCDF	0.0979 ng/Kg	0.0979U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8,9-HxCDD	0.441 ng/Kg	0.441U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8,9-HxCDF	0.301 ng/Kg	0.301U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8-PECDD	0.0821 ng/Kg	0.0821U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8-PECDF	0.0816 ng/Kg	0.0816U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	2,3,4,6,7,8-HxCDF	0.151 ng/Kg	0.151U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	2,3,4,7,8-PECDF	0.138 ng/Kg	0.138U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	OCDD	4.41 ng/Kg	4.41U ng/Kg
SL-281-SA5B-SB-8.0-9.0(RES)	OCDF	0.458 ng/Kg	0.458U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.02 ng/Kg	1.02U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.645 ng/Kg	0.645U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0727 ng/Kg	0.0727U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0465 ng/Kg	0.0465U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.144 ng/Kg	0.144U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.144 ng/Kg	0.144U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.124 ng/Kg	0.124U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.182 ng/Kg	0.182U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.263 ng/Kg	0.263U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.118 ng/Kg	0.118U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.125 ng/Kg	0.125U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.192 ng/Kg	0.192U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.140 ng/Kg	0.140U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0693 ng/Kg	0.0693U ng/Kg
SL-282-SA5B-SB-4.0-5.0(RES)	OCDF	0.785 ng/Kg	0.785U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	0.415 ng/Kg	0.415U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.469 ng/Kg	0.469U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0590 ng/Kg	0.0590U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HxCDD	0.0353 ng/Kg	0.0353U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_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-282-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.0919 ng/Kg	0.0919U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDD	0.0973 ng/Kg	0.0973U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDF	0.0951 ng/Kg	0.0951U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDD	0.146 ng/Kg	0.146U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.152 ng/Kg	0.152U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.0757 ng/Kg	0.0757U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.142 ng/Kg	0.142U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0842 ng/Kg	0.0842U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	2,3,7,8-TCDF	0.0826 ng/Kg	0.0826U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	OCDD	1.60 ng/Kg	1.60U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	OCDF	0.331 ng/Kg	0.331U ng/Kg

Internal Standard Outlier Report

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB01-SIV-121710	13C-1,2,7,8-TCDD (CRS)	21	35.00-197.00	2,3,7,8-TCDD	J (all detects)
	13C-2,3,7,8-TCDD	16	25.00-164.00		UJ (all non-detects)
EB05-SA5B-121710	13C-1,2,7,8-TCDD (CRS)	8	35.00-197.00	2,3,7,8-TCDD	J(all detects)
	13C-2,3,7,8-TCDD	4	25.00-164.00		UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SED-005-SIV-SD-0.0-0.5	DUP01-SIV-QC-122010			
MOISTURE	19.1	20.8	9		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SED-005-SIV-SD-0.0-0.5	DUP01-SIV-QC-122010			
1,2,3,4,6,7,8-HPCDD	8.71	8.87	2	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	2.11	2.18	3	50.00	
1,2,3,4,7,8,9-HPCDF	0.261	0.230	13	50.00	
1,2,3,4,7,8-HxCDD	0.230	0.178	25	50.00	
1,2,3,4,7,8-HxCDF	0.368	0.430	10	50.00	
1,2,3,6,7,8-HxCDD	0.918	0.893	3	50.00	
1,2,3,6,7,8-HxCDF	0.404	0.379	6	50.00	
1,2,3,7,8,9-HxCDD	0.990	0.927	7	50.00	
1,2,3,7,8,9-HxCDF	0.473	0.430	10	50.00	
1,2,3,7,8-PECDD	0.283	0.256	10	50.00	
1,2,3,7,8-PECDF	2.12	1.94	9	50.00	
2,3,4,6,7,8-HxCDF	0.438	0.516	16	50.00	
2,3,4,7,8-PECDF	0.809	0.819	1	50.00	
2,3,7,8-TCDF	4.24	4.47	5	50.00	
OCDD	62.3	70.8	13	50.00	
OCDF	3.16	3.65	14	50.00	
2,3,7,8-TCDD	1.24 U	0.0424	200	50.00	J(all detects) UJ(all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB01-SIV-121710	1,2,3,4,6,7,8-HPCDD	JBQ	1.91	10.8	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.69	10.8	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.377	10.8	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	0.522	10.8	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.185	10.8	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.325	10.8	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.194	10.8	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.252	10.8	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.529	10.8	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.139	10.8	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.283	10.8	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.626	10.8	PQL	pg/L	
	OCDD	JB	13.7	21.6	PQL	pg/L	
	OCDF	JBQ	1.41	21.6	PQL	pg/L	
EB05-SA5B-121710	1,2,3,4,6,7,8-HPCDD	JBQ	0.726	10.9	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	1.18	10.9	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.193	10.9	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.379	10.9	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.332	10.9	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.250	10.9	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.355	10.9	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.220	10.9	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.344	10.9	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.732	10.9	PQL	pg/L	
	OCDD	JB	1.35	21.8	PQL	pg/L	
	OCDF	JBQ	0.858	21.8	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP01-SIV-QC-122010	2,3,7,8-TCDF	B	4.47	1.26	PQL	ng/Kg	
DUP08-SA5B-QC-121710	2,3,7,8-TCDF	B	5.44	1.12	PQL	ng/Kg	
SED-001-SIV-SD-0.0-0.5	2,3,7,8-TCDF	B	1.76	1.14	PQL	ng/Kg	
SED-005-SIV-SD-0.0-0.5	2,3,7,8-TCDF	B	4.24	1.24	PQL	ng/Kg	
DUP01-SIV-QC-122010	1,2,3,4,6,7,8-HPCDF	JB	2.18	6.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.230	6.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.178	6.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.430	6.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.893	6.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.379	6.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.927	6.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.430	6.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.256	6.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.94	6.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.516	6.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.819	6.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0424	1.26	PQL	ng/Kg	
	OCDF	JB	3.65	12.6	PQL	ng/Kg	
DUP08-SA5B-QC-121710	1,2,3,7,8,9-HXCDF	JB	4.86	5.61	PQL	ng/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-001-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.60	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.421	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.500	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.12	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.56	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.03	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.21	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.563	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.673	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.66	5.69	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0787	1.14	PQL	ng/Kg	
	OCDF	JB	4.93	11.4	PQL	ng/Kg	
SED-003-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.73	6.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.478	6.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.364	6.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.615	6.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.06	6.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.430	6.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.712	6.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.294	6.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.245	6.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.98	6.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.489	6.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.831	6.77	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.108	1.35	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.719	1.35	PQL	ng/Kg	
	OCDF	JB	8.23	13.5	PQL	ng/Kg	
SED-004-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.825	6.19	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.231	6.19	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.525	6.19	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.850	6.19	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.521	6.19	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.590	6.19	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.224	6.19	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.209	6.19	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.480	6.19	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.660	6.19	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.283	6.19	PQL	ng/Kg	
SED-005-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.11	6.18	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.261	6.18	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.230	6.18	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.388	6.18	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.918	6.18	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.404	6.18	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.990	6.18	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.473	6.18	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.283	6.18	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.12	6.18	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.438	6.18	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.809	6.18	PQL	ng/Kg	
	OCDF	JB	3.16	12.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-006-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.64	6.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.395	6.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.375	6.24	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.544	6.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.69	6.24	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.594	6.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.51	6.24	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.03	6.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.38	6.24	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.615	6.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.28	6.24	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0794	1.25	PQL	ng/Kg	
	2,3,7,8-TCDF	J	1.10	1.25	PQL	ng/Kg	
	OCDF	JB	9.52	12.5	PQL	ng/Kg	
SED-007-SIV-SD-0.0-0.6	1,2,3,4,7,8,9-HPCDF	JB	1.00	6.08	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.782	6.08	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	3.30	6.08	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.45	6.08	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.80	6.08	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.39	6.08	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.690	6.08	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.580	6.08	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.751	6.08	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.90	6.08	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.16	6.08	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.130	1.22	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.307	1.22	PQL	ng/Kg	
	OCDF	JB	9.62	12.2	PQL	ng/Kg	
SED-008-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.91	7.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.517	7.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.444	7.43	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.673	7.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.37	7.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.695	7.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.28	7.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.331	7.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	3.10	7.43	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.653	7.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.17	7.43	PQL	ng/Kg	
	2,3,7,8-TCDF	J	1.10	1.49	PQL	ng/Kg	
	OCDF	JB	7.73	14.9	PQL	ng/Kg	
SED-012-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.37	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.213	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.226	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.166	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.776	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.177	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.401	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0960	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.219	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.152	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.226	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.266	5.31	PQL	ng/Kg	
	OCDF	JB	5.17	10.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-014-SIV-SD-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	2.86	5.88	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	2.80	5.88	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.711	5.88	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.14	5.88	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.217	1.18	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.384	1.18	PQL	ng/Kg	
SED-034-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.56	6.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.40	6.43	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.183	6.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.139	6.43	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.258	6.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.303	6.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.215	6.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.266	6.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.133	6.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0979	6.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.190	6.43	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.369	6.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.572	6.43	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.194	1.29	PQL	ng/Kg	
	OCDF	JB	2.13	12.9	PQL	ng/Kg	
SED-037-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.92	6.98	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.454	6.98	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.876	6.98	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.857	6.98	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	3.80	6.98	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.664	6.98	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.40	6.98	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.353	6.98	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.903	6.98	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.57	6.98	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.819	6.98	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.16	6.98	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.139	1.40	PQL	ng/Kg	
	2,3,7,8-TCDF	J	1.19	1.40	PQL	ng/Kg	
	OCDF	JB	8.47	14.0	PQL	ng/Kg	
SL-026-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.324	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.422	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0561	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0382	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0737	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0518	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0466	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0703	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0710	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0306	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.117	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0833	5.62	PQL	ng/Kg	
	OCDD	JB	1.25	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.430	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-026-SA5B-SB-9.0-10	1,2,3,4,6,7,8-HPCDD	JB	0.293	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.425	5.46	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0481	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0869	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0607	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0610	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0935	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0646	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0558	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0518	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.160	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.108	5.46	PQL	ng/Kg	
	OCDD	JB	1.26	10.9	PQL	ng/Kg	
	OCDF	JB	0.365	10.9	PQL	ng/Kg	
SL-281-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.625	5.97	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.454	5.97	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0894	5.97	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.130	5.97	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0948	5.97	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0748	5.97	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.109	5.97	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.217	5.97	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0767	5.97	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.127	5.97	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.135	5.97	PQL	ng/Kg	
	OCDD	JB	2.34	11.9	PQL	ng/Kg	
	OCDF	JBQ	0.399	11.9	PQL	ng/Kg	
SL-281-SA5B-SB-8.0-9.0	1,2,3,4,6,7,8-HPCDD	JB	0.797	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.491	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0860	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0812	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.286	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0979	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.441	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.301	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0821	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0816	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.151	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.138	5.71	PQL	ng/Kg	
	OCDD	JB	4.41	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.458	11.4	PQL	ng/Kg	
SL-282-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.02	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.645	5.47	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0727	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0465	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.144	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.144	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.124	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.182	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.263	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.118	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.125	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.192	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.140	5.47	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0693	1.09	PQL	ng/Kg	
	OCDF	JB	0.785	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX029

Laboratory: LL

EDD Filename: DX029_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-282-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JB	0.415	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.469	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0590	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0353	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0919	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0973	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0951	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.146	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.152	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0757	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.142	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0842	5.48	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0826	1.10	PQL	ng/Kg	
	OCDD	JB	1.60	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.331	11.0	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: December 17 through December 20, 2010
LDC Report Date: June 17, 2011
Matrix: Soil/Sediment/Water
Parameters: Dioxins/Dibenzofurans
Validation Level: Level IV
Laboratory: Lancaster Laboratories
Sample Delivery Group (SDG): DX029

Sample Identification

DUP08-SA5B-QC-121710	SED-037-SIV-SD-0.0-0.5
EB05-SA5B-121710	SED-005-SIV-SD-0.0-0.5MS
EB01-SIV-121710	SED-005-SIV-SD-0.0-0.5MSD
SED-014-SIV-SD-0.0-0.05	
SED-012-SIV-SD-0.0-0.05	
SED-006-SIV-SD-0.0-0.05	
SED-001-SIV-SD-0.0-0.05	
SED-004-SIV-SD-0.0-0.05	
SL-282-SA5B-SB-4.0-5.0	
SL-282-SA5B-SB-7.0-8.0	
SL-281-SA5B-SB-4.0-5.0	
SL-281-SA5B-SB-8.0-9.0	
SL-026-SA5B-SB-4.0-5.0	
SL-026-SA5B-SB-9.0-10.0	
DUP01-SIV-QC-122010	
SED-003-SIV-SD-0.0-0.5	
SED-005-SIV-SD-0.0-0.5	
SED-007-SIV-SD-0.0-0.5	
SED-008-SIV-SD-0.0-0.5	
SED-034-SIV-SD-0.0-0.5	

Introduction

This data review covers 7 soil samples, 14 sediment samples, and 2 water samples 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.
- N Presumptive evidence of presence of the constituent.
- 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 with the following exceptions:

Sample	Compound	Total Days From Sample Collection Until Extraction	Required Holding Time (in Days) From Sample Collection Until Extraction	Flag	A or P
SED-007-SIV-SD-0.0-0.5	All TCL compounds	42	?????		

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
11012001-MB	1/12/11	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 1,2,3,4,7,8-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	0.199 ng/Kg 0.230 ng/Kg 0.199 ng/Kg 0.209 ng/Kg 0.226 ng/Kg 0.207 ng/Kg 0.147 ng/Kg 0.162 ng/Kg 0.167 ng/Kg 0.206 ng/Kg 1.49 ng/Kg 0.437 ng/Kg 0.200 ng/Kg 1.37 ng/Kg 0.495 ng/Kg	DUP08-SA5B-QC-121710 SED-014-SIV-SD-0.0-0.05 SED-012-SIV-SD-0.0-0.05 SED-006-SIV-SD-0.0-0.05 SED-001-SIV-SD-0.0-0.05 SED-004-SIV-SD-0.0-0.05 SL-282-SA5B-SB-4.0-5.0 SL-282-SA5B-SB-7.0-8.0 SL-281-SA5B-SB-4.0-5.0 SL-281-SA5B-SB-8.0-9.0 SL-026-SA5B-SB-4.0-5.0 SL-026-SA5B-SB-9.0-10.0 DUP01-SIV-QC-122010 SED-003-SIV-SD-0.0-0.5 SED-005-SIV-SD-0.0-0.5 SED-008-SIV-SD-0.0-0.5 SED-034-SIV-SD-0.0-0.5 SED-037-SIV-SD-0.0-0.5
11012001-MB	1/12/11	2,3,7,8-TCDF	0.0679 ng/Kg	DUP08-SA5B-QC-121710 SED-001-SIV-SD-0.0-0.05 DUP01-SIV-QC-122010 SED-005-SIV-SD-0.0-0.5
11032001-MB	2/1/11	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 1,2,3,4,7,8-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	0.0415 ng/Kg 0.106 ng/Kg 0.0510 ng/Kg 0.0659 ng/Kg 0.0508 ng/Kg 0.0823 ng/Kg 0.0361 ng/Kg 0.0384 ng/Kg 0.0359 ng/Kg 0.0588 ng/Kg 0.242 ng/Kg 0.219 ng/Kg 0.0453 ng/Kg 0.513 ng/Kg 0.298 ng/Kg	SED-007-SIV-SD-0.0-0.5
10362001-MB	12/28/10	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	0.181 pg/L 2.81 pg/L 0.474 pg/L 0.810 pg/L 0.684 pg/L 0.599 pg/L 0.568 pg/L 0.505 pg/L 0.485 pg/L 0.512 pg/L 0.483 pg/L 0.637 pg/L 1.41 pg/L 1.35 pg/L 0.582 pg/L 2.39 pg/L 1.43 pg/L	All water samples in SDG DX029

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
SED-014-SIV-SD-0.0-0.05	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF	0.711 ng/Kg 1.14 ng/Kg	0.711U ng/Kg 1.14U ng/Kg
SED-012-SIV-SD-0.0-0.05	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 1,2,3,4,7,8,9-HpCDF	0.152 ng/Kg 0.266 ng/Kg 0.219 ng/Kg 0.166 ng/Kg 0.177 ng/Kg 0.226 ng/Kg 0.226 ng/Kg 0.776 ng/Kg 0.401 ng/Kg 0.0960 ng/Kg 2.37 ng/Kg 0.213 ng/Kg	0.152U ng/Kg 0.266U ng/Kg 0.219U ng/Kg 0.166U ng/Kg 0.177U ng/Kg 0.226U ng/Kg 0.226U ng/Kg 0.776U ng/Kg 0.401U ng/Kg 0.0960U ng/Kg 2.37U ng/Kg 0.213U ng/Kg
SED-006-SIV-SD-0.0-0.05	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-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.544 ng/Kg 0.594 ng/Kg 0.615 ng/Kg 0.375 ng/Kg 1.03 ng/Kg 4.64 ng/Kg 0.395 ng/Kg	0.544U ng/Kg 0.594U ng/Kg 0.615U ng/Kg 0.375U ng/Kg 1.03U ng/Kg 4.64U ng/Kg 0.395U ng/Kg
SED-001-SIV-SD-0.0-0.05	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-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	1.03 ng/Kg 0.637 ng/Kg 0.500 ng/Kg 0.563 ng/Kg 4.60 ng/Kg 0.421 ng/Kg	1.03U ng/Kg 0.637U ng/Kg 0.500U ng/Kg 0.563U ng/Kg 4.60U ng/Kg 0.421U ng/Kg
SED-004-SIV-SD-0.0-0.05	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 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.480 ng/Kg 0.283 ng/Kg 0.209 ng/Kg 0.525 ng/Kg 0.521 ng/Kg 0.660 ng/Kg 0.231 ng/Kg 0.590 ng/Kg 0.224 ng/Kg 0.825 ng/Kg	0.480U ng/Kg 0.283U ng/Kg 0.209U ng/Kg 0.525U ng/Kg 0.521U ng/Kg 0.660U ng/Kg 0.231U ng/Kg 0.590U ng/Kg 0.224U ng/Kg 0.825U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-282-SA5B-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 1,2,3,7,8,9-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	0.125 ng/Kg 0.140 ng/Kg 0.118 ng/Kg 0.144 ng/Kg 0.124 ng/Kg 0.192 ng/Kg 0.0465 ng/Kg 0.144 ng/Kg 0.182 ng/Kg 0.263 ng/Kg 0.645 ng/Kg 1.02 ng/Kg 0.0727 ng/Kg 0.785 ng/Kg	0.125U ng/Kg 0.140U ng/Kg 0.118U ng/Kg 0.144U ng/Kg 0.124U ng/Kg 0.192U ng/Kg 0.0465U ng/Kg 0.144U ng/Kg 0.182U ng/Kg 0.263U ng/Kg 0.645U ng/Kg 1.02U ng/Kg 0.0727U ng/Kg 0.785U ng/Kg
SL-282-SA5B-SB-7.0-8.0	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 1,2,3,4,7,8-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	0.0757 ng/Kg 0.0842 ng/Kg 0.0919 ng/Kg 0.0951 ng/Kg 0.142 ng/Kg 0.0353 ng/Kg 0.0973 ng/Kg 0.146 ng/Kg 0.152 ng/Kg 0.469 ng/Kg 0.415 ng/Kg 0.0590 ng/Kg 1.60 ng/Kg 0.331 ng/Kg	0.0757U ng/Kg 0.0842U ng/Kg 0.0919U ng/Kg 0.0951U ng/Kg 0.142U ng/Kg 0.0353U ng/Kg 0.0973U ng/Kg 0.146U ng/Kg 0.152U ng/Kg 0.469U ng/Kg 0.415U ng/Kg 0.0590U ng/Kg 1.60U ng/Kg 0.331U ng/Kg
SL-281-SA5B-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 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	0.0767 ng/Kg 0.135 ng/Kg 0.130 ng/Kg 0.0748 ng/Kg 0.127 ng/Kg 0.0948 ng/Kg 0.109 ng/Kg 0.217 ng/Kg 0.454 ng/Kg 0.625 ng/Kg 0.0894 ng/Kg 2.34 ng/Kg 0.399 ng/Kg	0.0767U ng/Kg 0.135U ng/Kg 0.130U ng/Kg 0.0748U ng/Kg 0.127U ng/Kg 0.0948U ng/Kg 0.109U ng/Kg 0.217U ng/Kg 0.454U ng/Kg 0.625U ng/Kg 0.0894U ng/Kg 2.34U ng/Kg 0.399U ng/Kg
SL-281-SA5B-SB-8.0-9.0	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 1,2,3,6,7,8-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	0.0816 ng/Kg 0.138 ng/Kg 0.0821 ng/Kg 0.0812 ng/Kg 0.0979 ng/Kg 0.151 ng/Kg 0.286 ng/Kg 0.441 ng/Kg 0.301 ng/Kg 0.491 ng/Kg 0.797 ng/Kg 0.0860 ng/Kg 4.41 ng/Kg 0.458 ng/Kg	0.0816U ng/Kg 0.138U ng/Kg 0.0821U ng/Kg 0.0812U ng/Kg 0.0979U ng/Kg 0.151U ng/Kg 0.286U ng/Kg 0.441U ng/Kg 0.301U ng/Kg 0.491U ng/Kg 0.797U ng/Kg 0.0860U ng/Kg 4.41U ng/Kg 0.458U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-026-SA5B-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-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	0.0306 ng/Kg 0.0833 ng/Kg 0.0710 ng/Kg 0.0737 ng/Kg 0.0466 ng/Kg 0.117 ng/Kg 0.0382 ng/Kg 0.0518 ng/Kg 0.0703 ng/Kg 0.422 ng/Kg 0.324 ng/Kg 0.0561 ng/Kg 1.25 ng/Kg 0.430 ng/Kg	0.0306U ng/Kg 0.0833U ng/Kg 0.0710U ng/Kg 0.0737U ng/Kg 0.0466U ng/Kg 0.117U ng/Kg 0.0382U ng/Kg 0.0518U ng/Kg 0.0703U ng/Kg 0.422U ng/Kg 0.324U ng/Kg 0.0561U ng/Kg 1.25U ng/Kg 0.430U ng/Kg
SL-026-SA5B-SB-9.0-10.0	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 1,2,3,6,7,8-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	0.0518 ng/Kg 0.108 ng/Kg 0.0558 ng/Kg 0.0869 ng/Kg 0.0610 ng/Kg 0.160 ng/Kg 0.0607 ng/Kg 0.0935 ng/Kg 0.0646 ng/Kg 0.425 ng/Kg 0.293 ng/Kg 0.0481 ng/Kg 1.26 ng/Kg 0.365 ng/Kg	0.0518U ng/Kg 0.108U ng/Kg 0.0558U ng/Kg 0.0869U ng/Kg 0.0610U ng/Kg 0.160U ng/Kg 0.0607U ng/Kg 0.0935U ng/Kg 0.0646U ng/Kg 0.425U ng/Kg 0.293U ng/Kg 0.0481U ng/Kg 1.26U ng/Kg 0.365U ng/Kg
DUP01-SIV-QC-122010	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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.819 ng/Kg 0.256 ng/Kg 0.430 ng/Kg 0.379 ng/Kg 0.516 ng/Kg 0.178 ng/Kg 0.430 ng/Kg 2.18 ng/Kg 0.230 ng/Kg	0.819U ng/Kg 0.256U ng/Kg 0.430U ng/Kg 0.379U ng/Kg 0.516U ng/Kg 0.178U ng/Kg 0.430U ng/Kg 2.18U ng/Kg 0.230U ng/Kg
SED-003-SIV-SD-0.0-0.5	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 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.831 ng/Kg 0.245 ng/Kg 0.615 ng/Kg 0.430 ng/Kg 0.489 ng/Kg 0.364 ng/Kg 0.712 ng/Kg 0.294 ng/Kg 4.73 ng/Kg 0.478 ng/Kg	0.831U ng/Kg 0.245U ng/Kg 0.615U ng/Kg 0.430U ng/Kg 0.489U ng/Kg 0.364U ng/Kg 0.712U ng/Kg 0.294U ng/Kg 4.73U ng/Kg 0.478U ng/Kg
SED-005-SIV-SD-0.0-0.5	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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.809 ng/Kg 0.283 ng/Kg 0.388 ng/Kg 0.404 ng/Kg 0.438 ng/Kg 0.230 ng/Kg 0.473 ng/Kg 2.11 ng/Kg 0.261 ng/Kg	0.809U ng/Kg 0.283U ng/Kg 0.388U ng/Kg 0.404U ng/Kg 0.438U ng/Kg 0.230U ng/Kg 0.473U ng/Kg 2.11U ng/Kg 0.261U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SED-008-SIV-SD-0.0-0.5	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-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.673 ng/Kg 0.695 ng/Kg 0.653 ng/Kg 0.444 ng/Kg 0.331 ng/Kg 3.91 ng/Kg 0.517 ng/Kg	0.673U ng/Kg 0.695U ng/Kg 0.653U ng/Kg 0.444U ng/Kg 0.331U ng/Kg 3.91U ng/Kg 0.517U ng/Kg
SED-034-SIV-SD-0.0-0.5	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 1,2,3,4,7,8,9-HpCDF OCDF	0.190 ng/Kg 0.572 ng/Kg 0.0979 ng/Kg 0.258 ng/Kg 0.215 ng/Kg 0.369 ng/Kg 0.139 ng/Kg 0.303 ng/Kg 0.266 ng/Kg 0.133 ng/Kg 1.40 ng/Kg 0.183 ng/Kg 2.13 ng/Kg	0.190U ng/Kg 0.572U ng/Kg 0.0979U ng/Kg 0.258U ng/Kg 0.215U ng/Kg 0.369U ng/Kg 0.139U ng/Kg 0.303U ng/Kg 0.266U ng/Kg 0.133U ng/Kg 1.40U ng/Kg 0.183U ng/Kg 2.13U ng/Kg
SED-037-SIV-SD-0.0-0.5	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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.903 ng/Kg 0.857 ng/Kg 0.664 ng/Kg 0.819 ng/Kg 0.353 ng/Kg 4.92 ng/Kg 0.454 ng/Kg	0.903U ng/Kg 0.857U ng/Kg 0.664U ng/Kg 0.819U ng/Kg 0.353U ng/Kg 4.92U ng/Kg 0.454U ng/Kg
EB05-SA5B-121710	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 1,2,3,7,8,9-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	0.220 pg/L 0.732 pg/L 0.379 pg/L 0.332 pg/L 0.344 pg/L 0.250 pg/L 0.355 pg/L 1.18 pg/L 0.726 pg/L 0.193 pg/L 1.35 pg/L 0.858 pg/L	0.220U pg/L 0.732U pg/L 0.379U pg/L 0.332U pg/L 0.344U pg/L 0.250U pg/L 0.355U pg/L 1.18U pg/L 0.726U pg/L 0.193U pg/L 1.35U pg/L 0.858U pg/L
EB01-SIV-121710	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 OCDF	0.139 pg/L 0.626 pg/L 0.529 pg/L 0.522 pg/L 0.325 pg/L 0.283 pg/L 0.185 pg/L 0.194 pg/L 0.252 pg/L 1.69 pg/L 1.91 pg/L 0.377 pg/L 1.41 pg/L	0.139U pg/L 0.626U pg/L 0.529U pg/L 0.522U pg/L 0.325U pg/L 0.283U pg/L 0.185U pg/L 0.194U pg/L 0.252U pg/L 1.69U pg/L 1.91U pg/L 0.377U pg/L 1.41U pg/L

Samples EB05-SA5B-121710 and EB01-SIV-121710 were identified as equipment blanks. No polychlorinated dioxin/dibenzofuran contaminants were found in these blanks with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
EB05-SA5B-121710	12/17/10	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 1,2,3,7,8,9-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	0.220 pg/L 0.732 pg/L 0.379 pg/L 0.332 pg/L 0.344 pg/L 0.250 pg/L 0.355 pg/L 1.18 pg/L 0.726 pg/L 0.193 pg/L 1.35 pg/L 0.858 pg/L	DUP08-SA5B-QC-121710 SL-282-SA5B-SB-4.0-5.0 SL-282-SA5B-SB-7.0-8.0 SL-281-SA5B-SB-4.0-5.0 SL-281-SA5B-SB-8.0-9.0 SL-026-SA5B-SB-4.0-5.0 SL-026-SA5B-SB-9.0-10.0
EB01-SIV-121710	12/17/10	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	0.139 pg/L 0.626 pg/L 0.529 pg/L 0.522 pg/L 0.325 pg/L 0.283 pg/L 0.185 pg/L 0.194 pg/L 0.252 pg/L 1.69 pg/L 1.91 pg/L 0.377 pg/L 13.7 pg/L 1.41 pg/L	SED-014-SIV-SD-0.0-0.05 SED-012-SIV-SD-0.0-0.05 SED-006-SIV-SD-0.0-0.05 SED-001-SIV-SD-0.0-0.05 SED-004-SIV-SD-0.0-0.05

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 with the following exceptions:

Sample	Internal Standards	%R (Limits)	Compound	Flag	A or P
10362001-MB	¹³ C-2,3,7,8,-TCDD	6 (35-197)	2,3,7,8,-TCDD	J (all detects) UJ (all non-detects)	P
EB05-SA5B-121710	¹³ C-2,3,7,8,-TCDD	4 (25-164)	2,3,7,8,-TCDD	J (all detects) UJ (all non-detects)	P
EB01-SIV-121710	¹³ C-2,3,7,8,-TCDD	16 (25-164)	2,3,7,8,-TCDD	J (all detects) UJ (all non-detects)	P

X. Target Compound Identifications

All target compound identifications were within validation criteria.

XI. Compound Quantitation and CRQLs

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

Sample	Compound	Finding	Criteria	Flag	A or P
DUP08-SA5B-QC-121710 SED-014-SIV-SD-0.0-0.05	1,2,3,4,6,7,8-HpCDD OCDD	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	P

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG DX029	All compounds reported below the RL.	J (all detects)	A

XII. System Performance

The system performance was acceptable.

XIII. Overall Assessment of Data

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
DUP08-SA5B-QC-121710 SED-001-SIV-SD-0.0-0.5	2,3,7,8-TCDF (on DB-5MS)	R	A
DUP01-SIV-QC-122010 SED-005-SIV-SD-0.0-0.5	2,3,7,8-TCDF (on SP2331)	R	A

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

XIV. Field Duplicates

Samples DUP01-SIV-QC-122010 and SED-005-SIV-SD-0.0-0.5 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
	DUP01-SIV-QC-122010	SED-005-SIV-SD-0.0-0.5			
2,3,7,8-TCDF	4.94	4.44	11 (≤50)	-	-
2,3,7,8-TCDD	0.0424	0.0511U	200 (≤50)	J (all detects) UJ (all non-detects)	A
1,2,3,7,8-PeCDF	1.94	2.12	9 (≤50)	-	-
2,3,4,7,8-PeCDF	0.819	0.809	1 (≤50)	-	-
1,2,3,7,8-PeCDD	0.256	0.283	10 (≤50)	-	-
1,2,3,4,7,8-HxCDF	0.430	0.388	10 (≤50)	-	-
1,2,3,6,7,8-HxCDF	0.379	0.404	6 (≤50)	-	-
2,3,4,6,7,8-HxCDF	0.516	0.438	16 (≤50)	-	-
1,2,3,4,7,8-HxCDD	0.178	0.230	25 (≤50)	-	-
1,2,3,6,7,8-HxCDD	0.893	0.918	3 (≤50)	-	-
1,2,3,7,8,9-HxCDD	0.927	0.990	7 (≤50)	-	-
1,2,3,7,8,9-HxCDF	0.430	0.473	10 (≤50)	-	-
1,2,3,4,6,7,8-HpCDF	2.18	2.11	3 (≤50)	-	-

Compound	Concentration (ng/Kg)		RPD (Limits)	Flags	A or P
	DUP01-SIV-QC-122010	SED-005-SIV-SD-0.0-0.5			
1,2,3,4,6,7,8-HpCDD	8.87	8.71	2 (≤50)	-	-
1,2,3,4,7,8,9-HpCDF	0.230	0.261	13 (≤50)	-	-
OCDD	70.8	62.3	13 (≤50)	-	-
OCDF	3.65	3.16	14 (≤50)	-	-

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Data Qualification Summary - SDG DX029

SDG	Sample	Compound	Flag	A or P	Reason (Code)
DX029	EB05-SA5B-121710 EB01-SIV-121710	2,3,7,8,-TCDD	J (all detects) UJ (all non-detects)	P	Internal standards (%R) (I)
DX029	DUP08-SA5B-QC-121710 SED-014-SIV-SD-0.0-0.05	1,2,3,4,6,7,8-HpCDD OCDD	J (all detects) J (all detects)	P	Compound quantitation and CRQLs (exceeded range) (*XI)
DX029	DUP08-SA5B-QC-121710 EB05-SA5B-121710 EB01-SIV-121710 SED-014-SIV-SD-0.0-0.05 SED-012-SIV-SD-0.0-0.05 SED-006-SIV-SD-0.0-0.05 SED-001-SIV-SD-0.0-0.05 SED-004-SIV-SD-0.0-0.05 SL-282-SA5B-SB-4.0-5.0 SL-282-SA5B-SB-7.0-8.0 SL-281-SA5B-SB-4.0-5.0 SL-281-SA5B-SB-8.0-9.0 SL-026-SA5B-SB-4.0-5.0 SL-026-SA5B-SB-9.0-10.0 DUP01-SIV-QC-122010 SED-003-SIV-SD-0.0-0.5 SED-005-SIV-SD-0.0-0.5 SED-007-SIV-SD-0.0-0.5 SED-008-SIV-SD-0.0-0.5 SED-034-SIV-SD-0.0-0.5 SED-037-SIV-SD-0.0-0.5	All compounds reported below the RL.	J (all detects)	A	Compound quantitation and CRQLs (Z)
DX029	DUP08-SA5B-QC-121710 SED-001-SIV-SD-0.0-0.05	2,3,7,8-TCDF (on DB-5MS)	R	A	Overall assessment of data (*XIII)
DX029	DUP01-SIV-QC-122010 SED-005-SIV-SD-0.0-0.5	2,3,7,8-TCDF (on SP2331)	R	A	Overall assessment of data (*XIII)
DX029	SL-026-SA5B-SB-4.0-5.0 DUP01-SIV-QC-122010	2,3,7,8-TCDD	J (all detects) UJ (all non-detects)	A	Field duplicates (RPD) (FD)

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Laboratory Blank Data Qualification Summary - SDG DX029

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX029	SED-014-SIV-SD-0.0-0.05	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF	0.711U ng/Kg 1.14U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX029	SED-012-SIV-SD-0.0-0.05	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 1,2,3,4,7,8,9-HpCDF	0.152U ng/Kg 0.266U ng/Kg 0.219U ng/Kg 0.166U ng/Kg 0.177U ng/Kg 0.226U ng/Kg 0.226U ng/Kg 0.776U ng/Kg 0.401U ng/Kg 0.0960U ng/Kg 2.37U ng/Kg 0.213U ng/Kg	A	B
DX029	SED-006-SIV-SD-0.0-0.05	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-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.544U ng/Kg 0.594U ng/Kg 0.615U ng/Kg 0.375U ng/Kg 1.03U ng/Kg 4.64U ng/Kg 0.395U ng/Kg	A	B
DX029	SED-001-SIV-SD-0.0-0.05	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-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	1.03U ng/Kg 0.637U ng/Kg 0.500U ng/Kg 0.563U ng/Kg 4.60U ng/Kg 0.421U ng/Kg	A	B
DX029	SED-004-SIV-SD-0.0-0.05	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 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.480U ng/Kg 0.283U ng/Kg 0.209U ng/Kg 0.525U ng/Kg 0.521U ng/Kg 0.660U ng/Kg 0.231U ng/Kg 0.590U ng/Kg 0.224U ng/Kg 0.825U ng/Kg	A	B
DX029	SL-282-SA5B-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 1,2,3,7,8,9-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	0.125U ng/Kg 0.140U ng/Kg 0.118U ng/Kg 0.144U ng/Kg 0.124U ng/Kg 0.192U ng/Kg 0.0465U ng/Kg 0.144U ng/Kg 0.182U ng/Kg 0.263U ng/Kg 0.645U ng/Kg 1.02U ng/Kg 0.0727U ng/Kg 0.785U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX029	SL-282-SA5B-SB-7.0-8.0	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 1,2,3,4,7,8-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	0.0757U ng/Kg 0.0842U ng/Kg 0.0919U ng/Kg 0.0951U ng/Kg 0.142U ng/Kg 0.0353U ng/Kg 0.0973U ng/Kg 0.146U ng/Kg 0.152U ng/Kg 0.469U ng/Kg 0.415U ng/Kg 0.0590U ng/Kg 1.60U ng/Kg 0.331U ng/Kg	A	B
DX029	SL-281-SA5B-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 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	0.0767U ng/Kg 0.135U ng/Kg 0.130U ng/Kg 0.0748U ng/Kg 0.127U ng/Kg 0.0948U ng/Kg 0.109U ng/Kg 0.217U ng/Kg 0.454U ng/Kg 0.625U ng/Kg 0.0894U ng/Kg 2.34U ng/Kg 0.399U ng/Kg	A	B
DX029	SL-281-SA5B-SB-8.0-9.0	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 1,2,3,6,7,8-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	0.0816U ng/Kg 0.138U ng/Kg 0.0821U ng/Kg 0.0812U ng/Kg 0.0979U ng/Kg 0.151U ng/Kg 0.286U ng/Kg 0.441U ng/Kg 0.301U ng/Kg 0.491U ng/Kg 0.797U ng/Kg 0.0860U ng/Kg 4.41U ng/Kg 0.458U ng/Kg	A	B
DX029	SL-026-SA5B-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-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	0.0306U ng/Kg 0.0833U ng/Kg 0.0710U ng/Kg 0.0737U ng/Kg 0.0466U ng/Kg 0.117U ng/Kg 0.0382U ng/Kg 0.0518U ng/Kg 0.0703U ng/Kg 0.422U ng/Kg 0.324U ng/Kg 0.0561U ng/Kg 1.25U ng/Kg 0.430U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX029	SL-026-SA5B-SB-9.0-10.0	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 1,2,3,6,7,8-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	0.0518U ng/Kg 0.108U ng/Kg 0.0558U ng/Kg 0.0869U ng/Kg 0.0610U ng/Kg 0.160U ng/Kg 0.0607U ng/Kg 0.0935U ng/Kg 0.0646U ng/Kg 0.425U ng/Kg 0.293U ng/Kg 0.0481U ng/Kg 1.26U ng/Kg 0.365U ng/Kg	A	B
DX029	DUP01-SIV-QC-122010	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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.819U ng/Kg 0.256U ng/Kg 0.430U ng/Kg 0.379U ng/Kg 0.516U ng/Kg 0.178U ng/Kg 0.430U ng/Kg 2.18U ng/Kg 0.230U ng/Kg	A	B
DX029	SED-003-SIV-SD-0.0-0.5	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 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.831U ng/Kg 0.245U ng/Kg 0.615U ng/Kg 0.430U ng/Kg 0.489U ng/Kg 0.364U ng/Kg 0.712U ng/Kg 0.294U ng/Kg 4.73U ng/Kg 0.478U ng/Kg	A	B
DX029	SED-005-SIV-SD-0.0-0.5	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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.809U ng/Kg 0.283U ng/Kg 0.388U ng/Kg 0.404U ng/Kg 0.438U ng/Kg 0.230U ng/Kg 0.473U ng/Kg 2.11U ng/Kg 0.261U ng/Kg	A	B
DX029	SED-008-SIV-SD-0.0-0.5	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-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.673U ng/Kg 0.695U ng/Kg 0.653U ng/Kg 0.444U ng/Kg 0.331U ng/Kg 3.91U ng/Kg 0.517U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX029	SED-034-SIV-SD-0.0-0.5	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 1,2,3,4,7,8,9-HpCDF OCDF	0.190U ng/Kg 0.572U ng/Kg 0.0979U ng/Kg 0.258U ng/Kg 0.215U ng/Kg 0.369U ng/Kg 0.139U ng/Kg 0.303U ng/Kg 0.266U ng/Kg 0.133U ng/Kg 1.40U ng/Kg 0.183U ng/Kg 2.13U ng/Kg	A	B
DX029	SED-037-SIV-SD-0.0-0.5	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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.903U ng/Kg 0.857U ng/Kg 0.664U ng/Kg 0.819U ng/Kg 0.353U ng/Kg 4.92U ng/Kg 0.454U ng/Kg	A	B
DX029	EB05-SA5B-121710	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 1,2,3,7,8,9-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	0.220U pg/L 0.732U pg/L 0.379U pg/L 0.332U pg/L 0.344U pg/L 0.250U pg/L 0.355U pg/L 1.18U pg/L 0.726U pg/L 0.193U pg/L 1.35U pg/L 0.858U pg/L	A	B
DX029	EB01-SIV-121710	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 OCDF	0.139U pg/L 0.626U pg/L 0.529U pg/L 0.522U pg/L 0.325U pg/L 0.283U pg/L 0.185U pg/L 0.194U pg/L 0.252U pg/L 1.69U pg/L 1.91U pg/L 0.377U pg/L 1.41U pg/L	A	B

Santa Susana Field Laboratory

Dioxins/Dibenzofurans - Field Blank Data Qualification Summary - SDG DX029

No Sample Data Qualified in this SDG

LDC #: 25550M21
SDG #: DX029
Laboratory: Lancaster Laboratories

VALIDATION COMPLETENESS WORKSHEET
Level IV

Date: 6/6/11
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: 12/19/10 - 12/20/10
II.	HRGC/HRMS Instrument performance check	A	
III.	Initial calibration	A	% RSD $\leq$ 20 / 35
IV.	Routine calibration/CEV	A	QC limits
V.	Blanks	SW	
VI.	Matrix spike/Matrix spike duplicates	A	
VII.	Laboratory control samples	A	105
VIII.	Regional quality assurance and quality control	N	
IX.	Internal standards	SW	QC limits
X.	Target compound identifications	A	
XI.	Compound quantitation and CRQLs	SW	
XII.	System performance	A	
XIII.	Overall assessment of data	SW	
XIV.	Field duplicates	SW	D = 1, 4 15, 17
XV.	Field blanks	SW	EB = 2, 3

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:

note: Parent of #1 - not validated no result was submitted

1	1	DUP08-SA5B-QC-121710	5	11	1	SL-281-SA5B-SB-4.0-5.0	5	21	1	SED-037-SIV-SD-0.0-0.5	5	31	
2	2	EB05-SA5B-121710	W	12	1	SL-281-SA5B-SB-8.0-9.0		22	1	SED-005-SIV-SD-0.0-0.5MS		32	
3	2	EB01-SIV-121710	↓	13	1	SL-026-SA5B-SB-4.0-5.0		23	1	SED-005-SIV-SD-0.0-0.5MSD		33	
4	1	SED-014-SIV-SD-0.0-0.05	SW	14	1	SL-026-SA5B-SB-9.0-10.0	↓	24				34	
5	1	SED-012-SIV-SD-0.0-0.05		15	1	DUP01-SIV-QC-122010	DSB	25	1	11012001-MB		35	
6	1	SED-006-SIV-SD-0.0-0.05		16	1	SED-003-SIV-SD-0.0-0.5	SW	26	2	10362001-MB		36	
7	1	SED-001-SIV-SD-0.0-0.05		17	1	SED-005-SIV-SD-0.0-0.5	D	27	3	11032001-MB		37	
8	1	SED-004-SIV-SD-0.0-0.05	↓	18	3	SED-007-SIV-SD-0.0-0.5		28		11012001-MB Conf		38	
9	1	SL-282-SA5B-SB-4.0-5.0	SW	19	1	SED-008-SIV-SD-0.0-0.5		29				39	
10	1	SL-282-SA5B-SB-7.0-8.0	↓	20	1	SED-034-SIV-SD-0.0-0.5	✓	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 ^{acc limits} 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 ≥ 2.5 ?	/			
Does the maximum intensity of each specified characteristic ion coincide within ± 2 seconds (includes labeled standards)?	/			
For PCDF Identification, was any signal ($S/N \geq 2.5$, at $\pm$ seconds RT) detected in the corresponding PCDPE 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 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:

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

Q	Y	N	N/A
Were all samples associated with a method blank?	1	0	0

	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? Y N/A

Blank extraction date: 1/12/11 Blank analysis date: 1/27/11

Associated samples: 1, 4-17, 19-21

Conc. units: ng/Kg[illegible]

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Associated samples: 1, 4-17, 19-21

[illegible]

Associated samples: 1, 4-17, 19-21

(B)

V:\Validation Worksheets\Dioxin16\25550M21 MB3.wpd

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".

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

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

Y/N	N/A

Blank extraction date: 02/01/11
Blank analysis date: 2/7/11

Blank extraction date:
Conc. units: mg/kg

* 2 HPC

Associated samples: 1875X

[illegible]

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".

Associated samples:

(B) water
All

V:\Validation Worksheets\Dioxin16\BLANKS16.wpd

*EMPC

Blank units: 29 / 2 Associated sample units: ng / kg
Sampling date: 12 / 17 / 17

Blank units: pg/L Associated sample units: ng/kg
Sampling date: 12/17/17

Field blank type: (circle one) Field Blank / Rinsate / Other:

Field blank type: (circle one) Field Blank / Rinsate / Other: Field Blank

[illegible]

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

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

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

X	N	N/A
Y	N	N/A

[illegible]

Comments: See sample calculation verification worksheet for recalculations

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

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?

[illegible]

Comments:

LDC#: 25530M2/**VALIDATION FINDINGS WORKSHEET**
Field DuplicatesPage: 1 of 2
Reviewer: [Signature]
2nd Reviewer: [Signature]**METHOD:** Method 1613BY N NA

Were field duplicate pairs identified in this SDG?

Y N NA

Were target analytes detected in the field duplicate pairs?

* EMPL

(FD)

Compound	Concentration (ng/Kg)		≤SD RPD	
	15	17		
H	4.94	4.44	11	
A	0.0424*	0.0511U	200	J/W/D
I	1.94	2.12	9	
J	0.819	0.809	1	
B	0.256	0.283*	10	
K	0.430	0.388*	10	
L	0.379	0.404*	6	
M	0.516	0.438	16	
C	0.178*	0.230	25	
D	0.893*	0.918	3	
E	0.927	0.990	7	
N	0.430	0.473	10	
O	2.18	2.11	3	
F	8.87	8.71	2	
P	0.230	0.261*	13	
G	70.8	62.3	13	
Q	3.65	3.16	14	

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:

$$RRF = (A_x/C_x)/(A_{is}/C_{is})$$

average RRF = sum of the RRF's/number of standards

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

A_x = Area of compound,

C_x = 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

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)	RRF (std)	RRF (std)	RRF (std)	%RSD	%RSD
1	ICAL DBSMS	1/25/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.938	0.938	0.938	0.946	0.946	0.946	4.88	4.88
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.084	1.084	1.084	1.087	1.087	1.087	4.03	4.03
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.934	0.934	0.934	0.953	0.953	0.953	4.23	4.23
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.014	1.014	1.014	1.029	1.029	1.029	3.64	3.64
			OCDF (¹³ C-OCDF)	0.930	0.930	0.930	0.949	0.949	0.949	2.53	2.53
2	ICAL PBSMS	10/26/10	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.024	1.024	1.024	1.010	1.010	1.010	3.60	3.60
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.131	1.131	1.131	1.078	1.078	1.078	9.43	9.43
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.969	0.969	0.969	1.002	1.002	1.002	2.30	2.30
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.039	1.039	1.039	1.065	1.065	1.065	2.17	2.17
			OCDF (¹³ C-OCDF)	0.962	0.962	0.962	0.975	0.975	0.975	1.13	1.13
3	ICAL SP233	9/29/10	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.950	0.950	0.950	0.960	0.960	0.960	2.26	2.26
			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 #: 255 SD 42/

VALIDATION FINDINGS WORKSHEET Routine Calibration Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: CA

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:

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

$$\text{RRF} = (A_x / C_x) / (A_{is} / C_{is})$$

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 Conc. RRF (CC)	Recalculated RRF (CC)	Reported %R	Recalculated %R
1	GEN SP2233	2/6/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF) con.	10.0	9.660	9.660	97	97
			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)					
2	GEN DB5MS	2/7/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	10.40	10.40	104	104
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	10.050	10.050	100	100
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	54.400	54.40	109	109
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	54.750	54.750	110	110
			OCDF (¹³ C-OCDF)	100.0	99.290	99.290	99	99
3	GEN DB5MS	1/27/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	10.020	10.020	100	100
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	10.0	10.0	100	100
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	51.350	51.350	103	103
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	50.180	50.180	100	100
			OCDF (¹³ C-OCDF)	100.0	99.750	99.750	100	100

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 #: 2555042 /

VALIDATION FINDINGS WORKSHEET Routine Calibration Results Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer: 1

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:

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

$$\text{RRF} = (A_x)(C_b) / (A_b)(C_x)$$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF

A_x = Area of compound,
 C_x = Concentration of compound,
 A_b = Area of associated internal standard
 C_b = 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	06V DB5MS 15:52	1/28/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	10.010	10.010	10.010	10.010	100	100
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	10.070	10.070	10.070	10.070	101	101
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	50.440	50.440	50.440	50.440	101	101
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	49.810	49.810	49.810	49.810	100	100
			OCDF (¹³ C-OCDD)	100.00	99.330	99.330	99.330	99.330	99	99
2	06V DB5MS 16:50	1/28/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	10.0	10.230	10.230	10.230	10.230	102	102
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	10.0	10.390	10.390	10.390	10.390	104	104
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	50.0	50.850	50.850	50.850	50.850	102	102
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	50.0	50.48	50.48	50.48	50.48	101	101
			OCDF (¹³ C-OCDD)	100.0	99.870	99.870	99.870	99.870	100	100
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.

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:

MS/MSD samples: 22 + 23

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.

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:

$\% \text{ Recovery} = 100 \cdot \text{SSC}/\text{SA}$
Where: SSC = Spiked sample concentration
SA = Spike added

$$RPD = |LCS - LCSD| * 2 / (LCS + LCSD)$$

LCSD = Laboratory control sample duplicate percent recovery

LCS ID: LOS ex 1/12/11

[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 ^(a)	Ion ID	Elemental Composition	Analyte
1	303.9016	M	C ₁₂ H ₄ ³⁵ Cl ₆ O	TCDF	4	407.7818	M+2	C ₁₂ H ₃ ³⁵ Cl ₆ ³⁷ ClO	HpCDF
	305.8987	M+2	C ₁₂ H ₄ ³⁵ Cl ₃ ³⁷ Cl ₃ O	TCDF		409.7788	M+4	C ₁₂ H ₃ ³⁵ Cl ₃ ³⁷ Cl ₃ O	HpCDF
	315.9419	M	C ₁₂ H ₄ ³⁵ Cl ₄ O	TCDF (S)		417.8250	M	C ₁₂ H ₃ ³⁵ Cl ₄ O	HpCDF (S)
	317.9389	M+2	C ₁₂ H ₃ ³⁵ Cl ₃ ³⁷ ClO	TCDF (S)		419.8220	M+2	C ₁₂ H ₃ ³⁵ Cl ₃ ³⁷ ClO	HpCDF
	319.8965	M	C ₁₂ H ₄ ³⁵ Cl ₅ O ₂	TCDD		423.7767	M+2	C ₁₂ H ₃ ³⁵ Cl ₅ ³⁷ ClO ₂	HpCDD
	321.8936	M+2	C ₁₂ H ₃ ³⁵ Cl ₄ ³⁷ ClO ₂	TCDD		425.7737	M+4	C ₁₂ H ₃ ³⁵ Cl ₄ ³⁷ ClO ₂	HpCDD
	331.9368	M	C ₁₂ H ₄ ³⁵ Cl ₃ ³⁷ Cl ₂ O ₂	TCDD (S)		435.8169	M+2	C ₁₂ H ₃ ³⁵ Cl ₃ ³⁷ Cl ₂ O ₂	HpCDD (S)
	333.9338	M+2	C ₁₂ H ₃ ³⁵ Cl ₄ ³⁷ ClO ₂	TCDD (S)		437.8140	M+4	C ₁₂ H ₃ ³⁵ Cl ₄ ³⁷ ClO ₂	HpCDD (S)
	375.8364	M+2	C ₁₂ H ₃ ³⁵ Cl ₅ ³⁷ ClO	HxCDFE		479.7165	M+4	C ₁₂ H ₃ ³⁵ Cl ₅ ³⁷ ClO	NCDPE
	[354.9792]	LOCK	C ₆ F ₁₃	PFK		[430.9728]	LOCK	C ₆ F ₁₇	PFK
2	339.8597	M+2	C ₁₂ H ₃ ³⁵ Cl ₃ ³⁷ ClO	PeCDF	5	441.7428	M+2	C ₁₂ Cl ₇ ³⁷ ClO	OCDF
	341.8567	M+4	C ₁₂ H ₃ ³⁵ Cl ₃ ³⁷ Cl ₂ O	PeCDF		443.7399	M+4	C ₁₂ Cl ₇ ³⁷ Cl ₂ O	OCDF
	351.9000	M+2	C ₁₂ H ₃ ³⁵ Cl ₄ ³⁷ ClO	PeCDF (S)		457.7377	M+2	C ₁₂ Cl ₇ ³⁷ ClO ₂	OCDD
	353.8970	M+4	C ₁₂ H ₃ ³⁵ Cl ₃ ³⁷ Cl ₂ O	PeCDF (S)		459.7348	M+4	C ₁₂ Cl ₇ ³⁷ ClO ₂	OCDD
	355.8546	M+2	C ₁₂ H ₃ ³⁵ Cl ₄ ³⁷ ClO ₂	PeCDD		469.7780	M+2	C ₁₂ Cl ₇ ³⁷ ClO ₂	OCDD (S)
	357.8516	M+4	C ₁₂ H ₃ ³⁵ Cl ₃ ³⁷ Cl ₂ O ₂	PeCDD		471.7750	M+4	C ₁₂ Cl ₇ ³⁷ ClO ₂	OCDD (S)
	367.8949	M+2	C ₁₂ H ₃ ³⁵ Cl ₄ ³⁷ ClO ₂	PeCDD (S)		513.6775	M+4	C ₁₂ Cl ₇ ³⁷ ClO ₂	DCDPE
	369.8919	M+4	C ₁₂ H ₃ ³⁵ Cl ₃ ³⁷ Cl ₂ O ₂	PeCDD (S)		[422.9278]	LOCK	C ₁₀ F ₁₇	PFK
	409.7974	M+2	C ₁₂ H ₃ ³⁵ Cl ₅ ³⁷ ClO	HpCDFE					
	[354.9792]	LOCK	C ₆ F ₁₃	PFK					
3	373.8208	M+2	C ₁₂ H ₃ ³⁵ Cl ₃ ³⁷ ClO	HxCDF					
	375.8178	M+4	C ₁₂ H ₃ ³⁵ Cl ₃ ³⁷ Cl ₂ O	HxCDF					
	383.8639	M	C ₁₂ H ₂ ³⁵ Cl ₃ ³⁷ Cl ₂ O	HxCDF (S)					
	385.8610	M+2	C ₁₂ H ₂ ³⁵ Cl ₃ ³⁷ ClO	HxCDF (S)					
	389.8156	M+2	C ₁₂ H ₂ ³⁵ Cl ₄ ³⁷ ClO ₂	HxCDD					
	391.8127	M+4	C ₁₂ H ₂ ³⁵ Cl ₃ ³⁷ Cl ₂ O ₂	HxCDD					
	401.8559	M+2	C ₁₂ H ₂ ³⁵ Cl ₄ ³⁷ ClO ₂	HxCDD (S)					
	403.8529	M+4	C ₁₂ H ₂ ³⁵ Cl ₃ ³⁷ Cl ₂ O ₂	HxCDD (S)					
	445.7555	M+4	C ₁₂ H ₂ ³⁵ Cl ₅ ³⁷ ClO	HxCDD (S)					
	[430.9728]	LOCK	C ₆ F ₁₇	OCDFE					

(a) The following nuclidic masses were used:

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

S = internal/recovery standard

LDC #: 25330112 /

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?

$$\text{Concentration} = \frac{(A_s)(I_s)(DF)}{(A_s)(RRF)(V_s)(\%S)}$$

Example:

Sample I.D. #1 OCDF

$$\text{Conc.} = \frac{(1905467)(4000)}{(8098614)(0.930)(10)(0.892)} = 1130 \text{ ng/kg}$$

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

DX030

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-Dec-2010	SL-213-SA5B-SS-0.0-0.5	6172081	N	METHOD	1613B	III
20-Dec-2010	SL-212-SA5B-SS-0.0-0.5	6172080	N	METHOD	1613B	III
20-Dec-2010	SL-216-SA5B-SS-0.0-0.5	6172086	N	METHOD	1613B	III
20-Dec-2010	SL-214-SA5B-SS-0.0-0.5	6172082	N	METHOD	1613B	III
20-Dec-2010	SL-217-SA5B-SS-0.0-0.5	6172087	N	METHOD	1613B	III
20-Dec-2010	SL-215-SA5B-SS-0.0-0.5	6172083	N	METHOD	1613B	III
20-Dec-2010	SL-215-SA5B-SS-0.0-0.5MS	6172084	MS	METHOD	1613B	III
20-Dec-2010	SL-215-SA5B-SS-0.0-0.5MSD	6172085	MSD	METHOD	1613B	III
20-Dec-2010	SL-255-SA5B-SS-0.0-0.5	6172088	N	METHOD	1613B	III
20-Dec-2010	DUP09-SA5B-QC-122010	6172078	FD	METHOD	1613B	III
20-Dec-2010	EB06-SA5B-122010	6172079	EB	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	1613B	Matrix:	AQ

Sample ID: EB06-SA5B-122010

Collected: 12/20/2010 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	2.76	JBQ	0.398	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.84	JB	0.205	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.758	JBQ	0.251	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.336	JBQ	0.206	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDF	0.548	JB	0.184	MDL	10.3	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.306	JBQ	0.220	MDL	10.3	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDF	0.581	JB	0.169	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDF	0.527	JBQ	0.193	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.410	JBQ	0.292	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.189	JBQ	0.106	MDL	10.3	PQL	pg/L	U	B
2,3,4,6,7,8-HxCDF	0.608	JBQ	0.166	MDL	10.3	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.530	JBQ	0.0985	MDL	10.3	PQL	pg/L	U	B
OCDD	7.80	JBQ	0.487	MDL	20.5	PQL	pg/L	U	B
OCDF	2.04	JBQ	0.308	MDL	20.5	PQL	pg/L	U	B

Method Category:	SVOA		
Method:	1613B	Matrix:	SO

Sample ID: DUP09-SA5B-QC-122010

Collected: 12/20/2010 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
1,2,3,4,7,8,9-HPCDF	1.32	JB	0.0486	MDL	7.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.55	JB	0.0638	MDL	7.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	1.51	JBQ	0.0517	MDL	7.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	5.07	JB	0.0673	MDL	7.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	1.13	JB	0.0498	MDL	7.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.38	JB	0.0630	MDL	7.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.913	JB	0.0545	MDL	7.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.874	JB	0.0809	MDL	7.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.72	JB	0.0465	MDL	7.58	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.52	JB	0.0527	MDL	7.58	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.51	JB	0.0408	MDL	7.58	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.138	JB	0.0423	MDL	1.52	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.709	JB	0.109	MDL	1.52	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 9:15:02 AM

ADR version 1.4.0.111

Page 1 of 8

Data Qualifier Summary

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-212-SA5B-SS-0.0-0.5

Collected: 12/20/2010 9:22:00

Analysis Type: 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	4.68	JB	0.0610	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	3.74	JB	0.0580	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.56	JB	0.101	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	3.46	JB	0.125	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.07	JB	0.0357	MDL	6.04	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	5.92	JB	0.0675	MDL	6.04	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	3.81	JB	0.0362	MDL	6.04	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.516	JB	0.0585	MDL	1.21	PQL	ng/Kg	J	Z
OCDD	9340	EB	0.231	MDL	12.1	PQL	ng/Kg	J	*XI

Sample ID: SL-213-SA5B-SS-0.0-0.5

Collected: 12/20/2010 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-HXCDF	5.57	JB	0.0814	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.64	JB	0.0763	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	3.07	JBQ	0.162	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.87	JB	0.0522	MDL	5.62	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	4.13	JB	0.0506	MDL	5.62	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.391	JBQ	0.0938	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	13200	EB	0.352	MDL	11.2	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-214-SA5B-SS-0.0-0.5

Collected: 12/20/2010 9:43:00

Analysis 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	4.52	JB	0.110	MDL	6.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	2.81	JB	0.161	MDL	6.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	5.05	JB	0.291	MDL	6.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.62	JBQ	0.0649	MDL	6.47	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.99	JB	0.107	MDL	6.47	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.671	JBQ	0.0860	MDL	1.29	PQL	ng/Kg	J	Z
OCDD	16800	EB	0.431	MDL	12.9	PQL	ng/Kg	J	*XI

Sample ID: SL-215-SA5B-SS-0.0-0.5

Collected: 12/20/2010 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
1,2,3,4,7,8,9-HPCDF	1.45	JB	0.0791	MDL	6.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.56	JB	0.0930	MDL	6.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.54	JB	0.0722	MDL	6.95	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	4.84	JB	0.0992	MDL	6.95	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.41	JB	0.0700	MDL	6.95	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.16	JB	0.0919	MDL	6.95	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.912	JBQ	0.0816	MDL	6.95	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.873	JBQ	0.114	MDL	6.95	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.66	JB	0.0561	MDL	6.95	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.47	JB	0.0745	MDL	6.95	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.24	JB	0.0508	MDL	6.95	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.182	JB	0.0866	MDL	1.39	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.801	JBQ	0.118	MDL	1.39	PQL	ng/Kg	J	Z

Sample ID: SL-216-SA5B-SS-0.0-0.5

Collected: 12/20/2010 9:31:00

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-HPCDF	4.60	JB	0.0338	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.474	JBQ	0.0637	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.532	JB	0.0593	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.422	JB	0.0455	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.75	JB	0.0620	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.549	JB	0.0405	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.56	JB	0.0600	MDL	6.19	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-216-SA5B-SS-0.0-0.5

Collected: 12/20/2010 9:31:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.636	JB	0.0583	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.425	JBQ	0.0708	MDL	6.19	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.829	JB	0.0282	MDL	6.19	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.624	JBQ	0.0442	MDL	6.19	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.828	JB	0.0293	MDL	6.19	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0450	JBQ	0.0395	MDL	1.24	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.498	JB	0.0704	MDL	1.24	PQL	ng/Kg	J	Z
OCDF	12.1	JB	0.0802	MDL	12.4	PQL	ng/Kg	J	Z

Sample ID: SL-217-SA5B-SS-0.0-0.5

Collected: 12/20/2010 9:50:00

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	2.87	B	0.210	MDL	1.40	PQL	ng/Kg	J	I, Z

Sample ID: SL-217-SA5B-SS-0.0-0.5

Collected: 12/20/2010 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-HXCDF	6.36	JB	0.126	MDL	6.99	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	5.04	JB	0.140	MDL	6.99	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	2.58	JBQ	0.166	MDL	6.99	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	5.37	JB	0.454	MDL	6.99	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.24	JB	0.0708	MDL	6.99	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	4.34	JBQ	0.141	MDL	6.99	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	4.38	JB	0.140	MDL	6.99	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.572	JB	0.0973	MDL	1.40	PQL	ng/Kg	J	Z
OCDD	13100	EB	0.391	MDL	14.0	PQL	ng/Kg	J	*XI

Sample ID: SL-255-SA5B-SS-0.0-0.5

Collected: 12/20/2010 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	3.53	JB	0.0321	MDL	6.15	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.414	JBQ	0.0550	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.337	JB	0.0518	MDL	6.15	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.346	JB	0.0403	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.50	JB	0.0551	MDL	6.15	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-255-SA5B-SS-0.0-0.5

Collected: 12/20/2010 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-HXCDF	0.426	JB	0.0343	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.38	JB	0.0508	MDL	6.15	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.609	JBQ	0.0415	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.467	JB	0.0592	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.546	JB	0.0261	MDL	6.15	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.470	JB	0.0389	MDL	6.15	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.664	JB	0.0269	MDL	6.15	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.117	JBQ	0.0502	MDL	1.23	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.307	JB	0.0625	MDL	1.23	PQL	ng/Kg	U	B
OCDF	7.96	JB	0.0523	MDL	12.3	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_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 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
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX030

Method Blank Outlier Report

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371225	1/20/2011 12:25:00 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	2.11 pg/L 1.21 pg/L 0.676 pg/L 0.582 pg/L 0.509 pg/L 0.636 pg/L 0.532 pg/L 0.695 pg/L 0.680 pg/L 0.436 pg/L 0.316 pg/L 0.551 pg/L 0.610 pg/L 0.196 pg/L 0.133 pg/L 7.03 pg/L 3.35 pg/L	EB06-SA5B-122010

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
EB06-SA5B-122010(RES)	1,2,3,4,6,7,8-HPCDD	2.76 pg/L	2.76U pg/L
EB06-SA5B-122010(RES)	1,2,3,4,6,7,8-HPCDF	1.84 pg/L	1.84U pg/L
EB06-SA5B-122010(RES)	1,2,3,4,7,8,9-HPCDF	0.758 pg/L	0.758U pg/L
EB06-SA5B-122010(RES)	1,2,3,4,7,8-HxCDD	0.336 pg/L	0.336U pg/L
EB06-SA5B-122010(RES)	1,2,3,4,7,8-HxCDF	0.548 pg/L	0.548U pg/L
EB06-SA5B-122010(RES)	1,2,3,6,7,8-HxCDD	0.306 pg/L	0.306U pg/L
EB06-SA5B-122010(RES)	1,2,3,6,7,8-HxCDF	0.581 pg/L	0.581U pg/L
EB06-SA5B-122010(RES)	1,2,3,7,8,9-HxCDF	0.527 pg/L	0.527U pg/L
EB06-SA5B-122010(RES)	1,2,3,7,8-PECDD	0.410 pg/L	0.410U pg/L
EB06-SA5B-122010(RES)	1,2,3,7,8-PECDF	0.189 pg/L	0.189U pg/L
EB06-SA5B-122010(RES)	2,3,4,6,7,8-HxCDF	0.608 pg/L	0.608U pg/L
EB06-SA5B-122010(RES)	2,3,4,7,8-PECDF	0.530 pg/L	0.530U pg/L
EB06-SA5B-122010(RES)	OCDD	7.80 pg/L	7.80U pg/L
EB06-SA5B-122010(RES)	OCDF	2.04 pg/L	2.04U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370516	1/28/2011 5:16:00 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	0.165 ng/Kg 0.266 ng/Kg 0.170 ng/Kg 0.0646 ng/Kg 0.104 ng/Kg 0.0619 ng/Kg 0.111 ng/Kg 0.112 ng/Kg 0.190 ng/Kg 0.130 ng/Kg 0.0987 ng/Kg 0.135 ng/Kg 0.145 ng/Kg 0.0306 ng/Kg 0.0343 ng/Kg 0.438 ng/Kg 0.411 ng/Kg	DUP09-SA5B-QC-122010 SL-212-SA5B-SS-0.0-0.5 SL-213-SA5B-SS-0.0-0.5 SL-214-SA5B-SS-0.0-0.5 SL-215-SA5B-SS-0.0-0.5 SL-216-SA5B-SS-0.0-0.5 SL-217-SA5B-SS-0.0-0.5 SL-255-SA5B-SS-0.0-0.5
PBB372155	2/6/2011 9:55:00 PM	2,3,7,8-TCDF	0.0885 ng/Kg	DUP09-SA5B-QC-122010 SL-212-SA5B-SS-0.0-0.5 SL-213-SA5B-SS-0.0-0.5 SL-214-SA5B-SS-0.0-0.5 SL-215-SA5B-SS-0.0-0.5 SL-216-SA5B-SS-0.0-0.5 SL-217-SA5B-SS-0.0-0.5 SL-255-SA5B-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-SA5B-QC-122010(RES)	1,2,3,7,8,9-HxCDF	0.913 ng/Kg	0.913U ng/Kg
DUP09-SA5B-QC-122010(RES)	2,3,7,8-TCDD	0.138 ng/Kg	0.138U ng/Kg
SL-215-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.912 ng/Kg	0.912U ng/Kg
SL-216-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HPCDF	0.474 ng/Kg	0.474U ng/Kg
SL-216-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.422 ng/Kg	0.422U ng/Kg
SL-216-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.549 ng/Kg	0.549U ng/Kg
SL-216-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.636 ng/Kg	0.636U ng/Kg
SL-216-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.425 ng/Kg	0.425U ng/Kg
SL-216-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.624 ng/Kg	0.624U ng/Kg
SL-216-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0450 ng/Kg	0.0450U ng/Kg
SL-255-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.414 ng/Kg	0.414U ng/Kg
SL-255-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.346 ng/Kg	0.346U ng/Kg
SL-255-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.426 ng/Kg	0.426U ng/Kg
SL-255-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.609 ng/Kg	0.609U ng/Kg
SL-255-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.467 ng/Kg	0.467U ng/Kg
SL-255-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.470 ng/Kg	0.470U ng/Kg
SL-255-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.664 ng/Kg	0.664U ng/Kg
SL-255-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.117 ng/Kg	0.117U ng/Kg
SL-255-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.307 ng/Kg	0.307U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 9:02:26 AM

ADR version 1.4.0.111

Page 2 of 2

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_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-215-SA5B-SS-0.0-0.5MSD (SL-215-SA5B-SS-0.0-0.5)	1,2,3,4,6,7,8-HPCDD OCDD	- -	167 463	40.00-135.00 40.00-135.00	27 (20.00) 44 (20.00)	1,2,3,4,6,7,8-HPCDD OCDD	No Qual, >4x

Internal Standard Outlier Report

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SL-217-SA5B-SS- 0.0-0.5	13C-2,3,7,8-TCDF	21	24.00-169.00	2,3,7,8-TCDF	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-215-SA5B-SS-0.0-0.5	DUP09-SA5B-QC-122010			
MOISTURE	28.1	34.0	19		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-215-SA5B-SS-0.0-0.5	DUP09-SA5B-QC-122010			
1,2,3,4,6,7,8-HPCDD	119	126	6	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	16.4	17.2	5	50.00	
1,2,3,4,7,8,9-HPCDF	1.45	1.32	9	50.00	
1,2,3,4,7,8-HxCDD	1.56	1.55	1	50.00	
1,2,3,4,7,8-HxCDF	1.54	1.51	2	50.00	
1,2,3,6,7,8-HxCDD	4.84	5.07	5	50.00	
1,2,3,6,7,8-HxCDF	1.41	1.13	22	50.00	
1,2,3,7,8,9-HxCDD	3.16	3.38	7	50.00	
1,2,3,7,8,9-HxCDF	0.912	0.913	0	50.00	
1,2,3,7,8-PECDD	0.873	0.874	0	50.00	
1,2,3,7,8-PECDF	1.66	1.72	4	50.00	
2,3,4,6,7,8-HxCDF	1.47	1.52	3	50.00	
2,3,4,7,8-PECDF	2.24	2.51	11	50.00	
2,3,7,8-TCDD	0.182	0.138	27	50.00	
2,3,7,8-TCDF	0.801	0.709	12	50.00	
OCDD	1560	1560	0	50.00	
OCDF	39.0	39.3	1	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB06-SA5B-122010	1,2,3,4,6,7,8-HPCDD	JBQ	2.76	10.3	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.84	10.3	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.758	10.3	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.336	10.3	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JB	0.548	10.3	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JBQ	0.306	10.3	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JB	0.581	10.3	PQL	pg/L	
	1,2,3,7,8,9-HxCDF	JBQ	0.527	10.3	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.410	10.3	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.189	10.3	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JBQ	0.608	10.3	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.530	10.3	PQL	pg/L	
	OCDD	JBQ	7.80	20.5	PQL	pg/L	
	OCDF	JBQ	2.04	20.5	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP09-SA5B-QC-122010	1,2,3,4,7,8,9-HPCDF	JB	1.32	7.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.55	7.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	1.51	7.58	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	5.07	7.58	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.13	7.58	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.38	7.58	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.913	7.58	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.874	7.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.72	7.58	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.52	7.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.51	7.58	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.138	1.52	PQL	ng/Kg	
SL-212-SA5B-SS-0.0-0.5	2,3,7,8-TCDF	JB	0.709	1.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDF	JB	4.68	6.04	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	3.74	6.04	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.56	6.04	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	3.46	6.04	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.07	6.04	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	5.92	6.04	PQL	ng/Kg	
SL-213-SA5B-SS-0.0-0.5	2,3,4,7,8-PECDF	JB	3.81	6.04	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDD	JB	0.516	1.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	5.57	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.64	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	3.07	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.87	5.62	PQL	ng/Kg	
SL-214-SA5B-SS-0.0-0.5	2,3,4,7,8-PECDF	JB	4.13	5.62	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDD	JBQ	0.391	1.12	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	4.52	6.47	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	2.81	6.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	5.05	6.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	1.62	6.47	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	2.99	6.47	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDD	JBQ	0.671	1.29	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX030

Laboratory: LL

EDD Filename: DX030_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-215-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.45	6.95	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.56	6.95	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.54	6.95	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	4.84	6.95	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.41	6.95	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.16	6.95	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.912	6.95	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.873	6.95	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.66	6.95	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.47	6.95	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.24	6.95	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.182	1.39	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.801	1.39	PQL	ng/Kg	
SL-216-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.60	6.19	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.474	6.19	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.532	6.19	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.422	6.19	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.75	6.19	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.549	6.19	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.56	6.19	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.636	6.19	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.425	6.19	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.829	6.19	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.624	6.19	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.828	6.19	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0450	1.24	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.498	1.24	PQL	ng/Kg	
	OCDF	JB	12.1	12.4	PQL	ng/Kg	
SL-217-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HXCDF	JB	6.36	6.99	PQL	ng/Kg	J (all detects)
	1,2,3,6,7,8-HXCDF	JB	5.04	6.99	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	2.58	6.99	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	5.37	6.99	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.24	6.99	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	4.34	6.99	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	4.38	6.99	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.572	1.40	PQL	ng/Kg	
SL-255-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.53	6.15	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.414	6.15	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.337	6.15	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.346	6.15	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.50	6.15	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.426	6.15	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.38	6.15	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.609	6.15	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.467	6.15	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.546	6.15	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.470	6.15	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.664	6.15	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.117	1.23	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.307	1.23	PQL	ng/Kg	
	OCDF	JB	7.96	12.3	PQL	ng/Kg	

Y	N	N/A
Y	N	N/A

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

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

[illegible]

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX031

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-Dec-2010	SL-044-SA5B-SB-4.0-5.0	6172098	N	METHOD	1613B	III
20-Dec-2010	SL-044-SA5B-SB-4.0-5.0MS	6172099	MS	METHOD	1613B	III
20-Dec-2010	SL-044-SA5B-SB-4.0-5.0MSD	6172100	MSD	METHOD	1613B	III
20-Dec-2010	SL-044-SA5B-SB-7.0-8.0	6172101	N	METHOD	1613B	III
20-Dec-2010	SL-045-SA5B-SB-3.0-4.0	6172102	N	METHOD	1613B	III
20-Dec-2010	DUP14-SA5B-QC-122010	6172097	FD	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX031

Laboratory: LL

EDD Filename: DX031_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP14-SA5B-QC-122010

Collected: 12/20/2010 2:39:00

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	6.15	B	0.0409	MDL	5.59	PQL	ng/Kg	J	FD
1,2,3,4,6,7,8-HPCDF	1.13	JB	0.0177	MDL	5.59	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8,9-HPCDF	0.139	JBQ	0.0303	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0578	JQ	0.0358	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.192	JBQ	0.0331	MDL	5.59	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.195	JQ	0.0375	MDL	5.59	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDF	0.177	JBQ	0.0283	MDL	5.59	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.160	JB	0.0359	MDL	5.59	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDF	0.192	JB	0.0362	MDL	5.59	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0455	U	0.0455	MDL	5.59	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDF	0.359	JB	0.0187	MDL	5.59	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HxCDF	0.234	JB	0.0329	MDL	5.59	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.373	JBQ	0.0195	MDL	5.59	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0269	JQ	0.0268	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.592	JQ	0.0653	MDL	1.12	PQL	ng/Kg	J	Z, FD
OCDD	48.3	B	0.0464	MDL	11.2	PQL	ng/Kg	J	FD
OCDF	1.79	JBQ	0.0436	MDL	11.2	PQL	ng/Kg	J	Z, FD

Sample ID: SL-044-SA5B-SB-4.0-5.0

Collected: 12/20/2010 11:38:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.192	JB	0.0361	MDL	5.66	PQL	ng/Kg	UJ	B, FD
1,2,3,4,6,7,8-HPCDF	0.429	JB	0.0161	MDL	5.66	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.111	JB	0.0279	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0480	J	0.0205	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.111	JBQ	0.0215	MDL	5.66	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.0344	JQ	0.0215	MDL	5.66	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDF	0.0609	JBQ	0.0189	MDL	5.66	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.0409	JBQ	0.0209	MDL	5.66	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDF	0.0666	JBQ	0.0225	MDL	5.66	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0443	JBQ	0.0361	MDL	5.66	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0424	JBQ	0.0106	MDL	5.66	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HxCDF	0.136	JBQ	0.0202	MDL	5.66	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0804	JBQ	0.0115	MDL	5.66	PQL	ng/Kg	UJ	B, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX031

Laboratory: LL

EDD Filename: DX031_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-044-SA5B-SB-4.0-5.0

Collected: 12/20/2010 11:38:00

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	0.0300	JQ	0.0288	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0229	U	0.0229	MDL	1.13	PQL	ng/Kg	UJ	FD
OCDD	1.02	JB	0.0391	MDL	11.3	PQL	ng/Kg	UJ	B, FD
OCDF	0.389	JBQ	0.0390	MDL	11.3	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-044-SA5B-SB-7.0-8.0

Collected: 12/20/2010 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	0.346	JBQ	0.0530	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.274	JB	0.0217	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0877	JB	0.0281	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0878	JQ	0.0317	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.117	JBQ	0.0240	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0955	JQ	0.0336	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0862	JB	0.0236	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.147	JBQ	0.0319	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.171	JBQ	0.0274	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.164	JBQ	0.0467	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.154	JB	0.0165	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.123	JBQ	0.0247	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.135	JBQ	0.0153	MDL	5.68	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0953	JQ	0.0358	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	1.13	JB	0.0643	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.323	JBQ	0.0490	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-045-SA5B-SB-3.0-4.0

Collected: 12/20/2010 2:24:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.52	JB	0.0358	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.955	JB	0.0146	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.155	JBQ	0.0251	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0527	JQ	0.0291	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.212	JB	0.0267	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.139	JQ	0.0303	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.133	JB	0.0237	MDL	5.53	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX031

Laboratory: LL

EDD Filename: DX031_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	1613B	Matrix:	SO

Sample ID: SL-045-SA5B-SB-3.0-4.0

Collected: 12/20/2010 2:24:00

Analysis 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	0.183	JB	0.0296	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.164	JB	0.0332	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0511	JBQ	0.0360	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.290	JB	0.0189	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.203	JBQ	0.0259	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.571	JB	0.0202	MDL	5.53	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.513	J	0.0629	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	1.87	JB	0.0455	MDL	11.1	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX031

Laboratory: LL

EDD Filename: DX031_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX031

Laboratory: LL

EDD Filename: DX031_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX031

Laboratory: LL

EDD Filename: DX031_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX031

Method Blank Outlier Report

Lab Reporting Batch ID: DX031

Laboratory: LL

EDD Filename: DX031_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB372033	1/28/2011 8:33:00 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-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	0.167 ng/Kg 0.203 ng/Kg 0.112 ng/Kg 0.0923 ng/Kg 0.0517 ng/Kg 0.0399 ng/Kg 0.0966 ng/Kg 0.0250 ng/Kg 0.0407 ng/Kg 0.0735 ng/Kg 0.0757 ng/Kg 0.374 ng/Kg 0.296 ng/Kg	DUP14-SA5B-QC-122010 SL-044-SA5B-SB-4.0-5.0 SL-044-SA5B-SB-7.0-8.0 SL-045-SA5B-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
DUP14-SA5B-QC-122010(RES)	1,2,3,4,7,8,9-HPCDF	0.139 ng/Kg	0.139U ng/Kg
DUP14-SA5B-QC-122010(RES)	1,2,3,4,7,8-HXCDF	0.192 ng/Kg	0.192U ng/Kg
DUP14-SA5B-QC-122010(RES)	1,2,3,6,7,8-HXCDF	0.177 ng/Kg	0.177U ng/Kg
DUP14-SA5B-QC-122010(RES)	1,2,3,7,8,9-HXCDD	0.160 ng/Kg	0.160U ng/Kg
DUP14-SA5B-QC-122010(RES)	1,2,3,7,8,9-HXCDF	0.192 ng/Kg	0.192U ng/Kg
DUP14-SA5B-QC-122010(RES)	2,3,4,6,7,8-HXCDF	0.234 ng/Kg	0.234U ng/Kg
DUP14-SA5B-QC-122010(RES)	2,3,4,7,8-PECDF	0.373 ng/Kg	0.373U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.192 ng/Kg	0.192U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.429 ng/Kg	0.429U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.111 ng/Kg	0.111U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0609 ng/Kg	0.0609U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0409 ng/Kg	0.0409U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0666 ng/Kg	0.0666U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0443 ng/Kg	0.0443U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0424 ng/Kg	0.0424U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.136 ng/Kg	0.136U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0804 ng/Kg	0.0804U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	OCDD	1.02 ng/Kg	1.02U ng/Kg
SL-044-SA5B-SB-4.0-5.0(RES)	OCDF	0.389 ng/Kg	0.389U ng/Kg
SL-044-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	0.346 ng/Kg	0.346U ng/Kg
SL-044-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.274 ng/Kg	0.274U ng/Kg
SL-044-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0877 ng/Kg	0.0877U ng/Kg
SL-044-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.117 ng/Kg	0.117U ng/Kg
SL-044-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDF	0.0862 ng/Kg	0.0862U ng/Kg
SL-044-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDD	0.147 ng/Kg	0.147U ng/Kg
SL-044-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.171 ng/Kg	0.171U ng/Kg
SL-044-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.154 ng/Kg	0.154U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX031

Laboratory: LL

EDD Filename: DX031_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-044-SA5B-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.123 ng/Kg	0.123U ng/Kg
SL-044-SA5B-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.135 ng/Kg	0.135U ng/Kg
SL-044-SA5B-SB-7.0-8.0(RES)	OCDD	1.13 ng/Kg	1.13U ng/Kg
SL-044-SA5B-SB-7.0-8.0(RES)	OCDF	0.323 ng/Kg	0.323U ng/Kg
SL-045-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.955 ng/Kg	0.955U ng/Kg
SL-045-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.155 ng/Kg	0.155U ng/Kg
SL-045-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.212 ng/Kg	0.212U ng/Kg
SL-045-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.133 ng/Kg	0.133U ng/Kg
SL-045-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.183 ng/Kg	0.183U ng/Kg
SL-045-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.164 ng/Kg	0.164U ng/Kg
SL-045-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDD	0.0511 ng/Kg	0.0511U ng/Kg
SL-045-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.203 ng/Kg	0.203U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX031

Laboratory: LL

EDD Filename: DX031_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-044-SA5B-SB-4.0-5.0	DUP14-SA5B-QC-122010			
MOISTURE	11.6	10.6	9		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-044-SA5B-SB-4.0-5.0	DUP14-SA5B-QC-122010			
1,2,3,4,7,8,9-HPCDF	0.111	0.139	22	50.00	No Qualifiers Applied
1,2,3,4,7,8-HxCDD	0.0480	0.0578	19	50.00	
2,3,7,8-TCDD	0.0300	0.0269	11	50.00	
1,2,3,4,6,7,8-HPCDD	0.192	6.15	188	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,6,7,8-HPCDF	0.429	1.13	90	50.00	
1,2,3,4,7,8-HXCDF	0.111	0.192	53	50.00	
1,2,3,6,7,8-HXCDD	0.0344	0.195	140	50.00	
1,2,3,6,7,8-HXCDF	0.0609	0.177	98	50.00	
1,2,3,7,8,9-HXCDD	0.0409	0.160	119	50.00	
1,2,3,7,8,9-HXCDF	0.0666	0.192	97	50.00	
1,2,3,7,8-PECDD	0.0443	5.59 U	200	50.00	
1,2,3,7,8-PECDF	0.0424	0.359	158	50.00	
2,3,4,6,7,8-HXCDF	0.136	0.234	53	50.00	
2,3,4,7,8-PECDF	0.0804	0.373	129	50.00	
2,3,7,8-TCDF	1.13 U	0.592	200	50.00	
OCDD	1.02	48.3	192	50.00	
OCDF	0.389	1.79	129	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX031

Laboratory: LL

EDD Filename: DX031_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP14-SA5B-QC-122010	1,2,3,4,6,7,8-HPCDF	JB	1.13	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.139	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0578	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.192	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.195	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.177	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.160	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.192	5.59	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.359	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.234	5.59	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.373	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0269	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.592	1.12	PQL	ng/Kg	
	OCDF	JBQ	1.79	11.2	PQL	ng/Kg	
SL-044-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.192	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.429	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.111	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0480	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.111	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0344	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0609	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0409	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0666	5.66	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JBQ	0.0443	5.66	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JBQ	0.0424	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.136	5.66	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.0804	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0300	1.13	PQL	ng/Kg	
	OCDD	JB	1.02	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.389	11.3	PQL	ng/Kg	
SL-044-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.346	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.274	5.68	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0877	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0878	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.117	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0955	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0862	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.147	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.171	5.68	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JBQ	0.164	5.68	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.154	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.123	5.68	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.135	5.68	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0953	1.14	PQL	ng/Kg	
	OCDD	JB	1.13	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.323	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX031

Laboratory: LL

EDD Filename: DX031_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-045-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	4.52	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.955	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.155	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0527	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.212	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.139	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.133	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.183	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.164	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0511	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.290	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.203	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.571	5.53	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.513	1.11	PQL	ng/Kg	
	OCDF	JB	1.87	11.1	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX032

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
21-Dec-2010	SL-219-SA5B-SS-0.0-0.5	6172131	N	METHOD	1613B	IV
21-Dec-2010	SL-225-SA5B-SS-0.0-0.5	6172132	N	METHOD	1613B	IV
21-Dec-2010	SL-227-SA5B-SS-0.0-0.5	6172134	N	METHOD	1613B	IV
21-Dec-2010	SL-226-SA5B-SS-0.0-0.5	6172133	N	METHOD	1613B	IV
21-Dec-2010	SL-183-SA5B-SS-0.0-0.5	6172130	N	METHOD	1613B	IV
21-Dec-2010	SL-159-SA5B-SS-0.0-0.5	6172129	N	METHOD	1613B	IV
21-Dec-2010	SL-046-SA5B-SB-4.0-5.0	6172124	N	METHOD	1613B	IV
21-Dec-2010	SL-046-SA5B-SB-4.0-5.0MS	6172125	MS	METHOD	1613B	IV
21-Dec-2010	SL-046-SA5B-SB-4.0-5.0MSD	6172126	MSD	METHOD	1613B	IV
21-Dec-2010	DUP15-SA5B-QC-122110	6172120	FD	METHOD	1613B	IV
21-Dec-2010	SL-046-SA5B-SB-9.0-10.0	6172127	N	METHOD	1613B	IV
21-Dec-2010	EB07-SA5B-122110	6172121	EB	METHOD	1613B	IV
21-Dec-2010	SL-047-SA5B-SB-4.0-5.0	6172128	N	METHOD	1613B	IV
21-Dec-2010	SL-006-SA5B-SB-4.0-5.0	6172122	N	METHOD	1613B	IV
21-Dec-2010	SL-006-SA5B-SB-5.0-6.0	6172123	N	METHOD	1613B	IV

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB07-SA5B-122110

Collected: 12/21/2010 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	1.31	JB	0.183	MDL	10.4	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.808	JBQ	0.0824	MDL	10.4	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.170	JBQ	0.106	MDL	10.4	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.273	JBQ	0.0802	MDL	10.4	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.128	JBQ	0.0933	MDL	10.4	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.168	JBQ	0.0731	MDL	10.4	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.184	JB	0.0905	MDL	10.4	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.209	JB	0.0867	MDL	10.4	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.152	JBQ	0.131	MDL	10.4	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.136	JB	0.0531	MDL	10.4	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.346	JBQ	0.0730	MDL	10.4	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.488	JBQ	0.0509	MDL	10.4	PQL	pg/L	U	B
2,3,7,8-TCDD	0.117	JBQ	0.0881	MDL	2.08	PQL	pg/L	U	B
2,3,7,8-TCDF	0.103	JBQ	0.0684	MDL	2.08	PQL	pg/L	U	B
OCDD	3.13	JB	0.284	MDL	20.8	PQL	pg/L	U	B
OCDF	0.470	JB	0.251	MDL	20.8	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP15-SA5B-QC-122110

Collected: 12/21/2010 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	1.53	JB	0.0474	MDL	5.48	PQL	ng/Kg	J	Z, FD
1,2,3,4,6,7,8-HPCDF	0.340	JBQ	0.0253	MDL	5.48	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.113	JB	0.0359	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0302	JBQ	0.0262	MDL	5.48	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HXCDF	0.105	JBQ	0.0228	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.112	J	0.0273	MDL	5.48	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.0733	JBQ	0.0205	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0686	JBQ	0.0268	MDL	5.48	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDF	0.0266	U	0.0266	MDL	5.48	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDD	0.0427	JBQ	0.0337	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0574	JBQ	0.0143	MDL	5.48	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP15-SA5B-QC-122110

Collected: 12/21/2010 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
2,3,4,6,7,8-HXCDF	0.0972	JB	0.0215	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.102	JB	0.0145	MDL	5.48	PQL	ng/Kg	UJ	B, FD
OCDD	17.6	B	0.0313	MDL	11.0	PQL	ng/Kg	J	FD
OCDF	0.679	JB	0.0428	MDL	11.0	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-006-SA5B-SB-4.0-5.0

Collected: 12/21/2010 3:29:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.82	JB	0.0370	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.416	JB	0.0191	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0659	JBQ	0.0289	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0712	JB	0.0244	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.323	JQ	0.0283	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.131	JBQ	0.0214	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.466	JBQ	0.0283	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0854	JBQ	0.0273	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0583	JBQ	0.0262	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0460	JB	0.00966	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.163	JB	0.0232	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.103	JBQ	0.0103	MDL	5.43	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0265	JQ	0.0194	MDL	1.09	PQL	ng/Kg	U	B
OCDF	1.09	JB	0.0359	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-006-SA5B-SB-5.0-6.0

Collected: 12/21/2010 3:39:00

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	3.05	JB	0.0354	MDL	6.05	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.401	JB	0.0222	MDL	6.05	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0639	JBQ	0.0284	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0682	JBQ	0.0212	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.154	JQ	0.0272	MDL	6.05	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0710	JB	0.0207	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.165	JBQ	0.0262	MDL	6.05	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0672	JBQ	0.0244	MDL	6.05	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0466	JBQ	0.0279	MDL	6.05	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-006-SA5B-SB-5.0-6.0

Collected: 12/21/2010 3:39:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.0289	JB	0.00919	MDL	6.05	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0855	JBQ	0.0197	MDL	6.05	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0634	JBQ	0.00955	MDL	6.05	PQL	ng/Kg	U	B
OCDF	0.677	JB	0.0333	MDL	12.1	PQL	ng/Kg	U	B

Sample ID: SL-046-SA5B-SB-4.0-5.0

Collected: 12/21/2010 10:47:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	12.5	B	0.0446	MDL	5.44	PQL	ng/Kg	J	Q, Q, FD
1,2,3,4,6,7,8-HPCDF	0.896	JB	0.0195	MDL	5.44	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8,9-HPCDF	0.114	JB	0.0310	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0646	JBQ	0.0348	MDL	5.44	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HXCDF	0.0860	JBQ	0.0239	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.347	J	0.0365	MDL	5.44	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.0796	JBQ	0.0210	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.184	JB	0.0371	MDL	5.44	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.134	JB	0.0260	MDL	5.44	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0682	JBQ	0.0298	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0587	JBQ	0.0124	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.123	JB	0.0222	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.191	JBQ	0.0128	MDL	5.44	PQL	ng/Kg	UJ	B, FD
OCDD	87.9	B	0.0458	MDL	10.9	PQL	ng/Kg	J	Q, Q, FD
OCDF	2.61	JB	0.0348	MDL	10.9	PQL	ng/Kg	J	Z, FD

Sample ID: SL-046-SA5B-SB-9.0-10.0

Collected: 12/21/2010 10:54:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.03	JB	0.0498	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.392	JB	0.0205	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.138	JB	0.0289	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0961	JBQ	0.0375	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.121	JBQ	0.0284	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.230	JQ	0.0385	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.166	JBQ	0.0249	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.349	JBQ	0.0360	MDL	5.66	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-046-SA5B-SB-9.0-10.0

Collected: 12/21/2010 10:54:00

Analysis 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	0.358	JBQ	0.0325	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.140	JB	0.0379	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.149	JBQ	0.0146	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.164	JB	0.0271	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.309	JB	0.0163	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0556	JQ	0.0378	MDL	1.13	PQL	ng/Kg	U	B
OCDF	0.832	JB	0.0332	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-047-SA5B-SB-4.0-5.0

Collected: 12/21/2010 12:54:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.63	JB	0.0502	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.610	JB	0.0200	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0908	JBQ	0.0299	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.111	JB	0.0440	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.137	JB	0.0306	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.445	JQ	0.0454	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.102	JB	0.0281	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.259	JBQ	0.0451	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.176	JBQ	0.0331	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0871	JB	0.0395	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0930	JBQ	0.0213	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.115	JBQ	0.0291	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.166	JB	0.0215	MDL	5.53	PQL	ng/Kg	U	B
OCDF	0.824	JB	0.0406	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-159-SA5B-SS-0.0-0.5

Collected: 12/21/2010 10:37:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	3.64	JB	0.0775	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	5.59	JB	0.0854	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	3.75	JB	0.0676	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.97	JB	0.0608	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.57	JB	0.0776	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.08	JB	0.138	MDL	5.83	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-159-SA5B-SS-0.0-0.5

Collected: 12/21/2010 10:37:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	1.18	JB	0.0321	MDL	5.83	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.80	JB	0.0641	MDL	5.83	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.02	JB	0.0338	MDL	5.83	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.250	JQ	0.0449	MDL	1.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.324	J	0.0586	MDL	1.17	PQL	ng/Kg	J	Z
OCDD	28700	EB	0.232	MDL	11.7	PQL	ng/Kg	J	*XI

Sample ID: SL-183-SA5B-SS-0.0-0.5

Collected: 12/21/2010 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
1,2,3,4,7,8,9-HPCDF	0.735	JBQ	0.0739	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.674	JBQ	0.104	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.363	JBQ	0.0728	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.44	JQ	0.108	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.436	JBQ	0.0669	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.37	JBQ	0.107	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.245	JB	0.0817	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.398	JBQ	0.0747	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.330	JB	0.0336	MDL	5.94	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.392	JB	0.0698	MDL	5.94	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.279	JB	0.0368	MDL	5.94	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0984	JQ	0.0732	MDL	1.19	PQL	ng/Kg	J	Z

Sample ID: SL-219-SA5B-SS-0.0-0.5

Collected: 12/21/2010 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
1,2,3,6,7,8-HXCDF	5.20	JB	0.115	MDL	6.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	4.06	JB	0.142	MDL	6.44	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	4.32	JB	0.196	MDL	6.44	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	3.17	JB	0.0522	MDL	6.44	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	5.86	JB	0.0588	MDL	6.44	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.586	J	0.0684	MDL	1.29	PQL	ng/Kg	J	Z
OCDD	14500	EB	0.359	MDL	12.9	PQL	ng/Kg	J	* XI

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/12/2011 11:22:37 AM

ADR version 1.4.0.111

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Data Qualifier Summary

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-225-SA5B-SS-0.0-0.5

Collected: 12/21/2010 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	10900	EB	0.737	MDL	6.66	PQL	ng/Kg	J	* XI
OCDD	123000	EB	0.791	MDL	13.3	PQL	ng/Kg	J	* XI

Sample ID: SL-226-SA5B-SS-0.0-0.5

Collected: 12/21/2010 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-HXCDF	5.28	JB	0.128	MDL	6.16	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	2.14	JBQ	0.142	MDL	6.16	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	5.07	JBQ	0.227	MDL	6.16	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.89	JBQ	0.0564	MDL	6.16	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.07	JB	0.0568	MDL	6.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.282	JQ	0.0831	MDL	1.23	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.587	JQ	0.141	MDL	1.23	PQL	ng/Kg	J	Z
OCDD	13100	EB	0.333	MDL	12.3	PQL	ng/Kg	J	* XI

Sample ID: SL-227-SA5B-SS-0.0-0.5

Collected: 12/21/2010 9:38:00

Analysis Type: 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	2.11	JBQ	0.128	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.10	JB	0.0837	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.32	JB	0.114	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	4.68	J	0.0874	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	2.46	JB	0.100	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.34	JB	0.0860	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.422	JBQ	0.136	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.507	JB	0.0858	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.77	JB	0.0375	MDL	6.07	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	4.85	JB	0.106	MDL	6.07	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.551	JB	0.0411	MDL	6.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0686	JQ	0.0363	MDL	1.21	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-227-SA5B-SS-0.0-0.5

Collected: 12/21/2010 9:38:00

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	0.248	JQ	0.0835	MDL	1.21	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/12/2011 11:22:37 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_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 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
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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ADR version 1.4.0.111

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX032

Method Blank Outlier Report

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: AQ				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371225	1/20/2011 12:25:00 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	2.11 pg/L 1.21 pg/L 0.676 pg/L 0.582 pg/L 0.509 pg/L 0.636 pg/L 0.532 pg/L 0.695 pg/L 0.680 pg/L 0.436 pg/L 0.316 pg/L 0.551 pg/L 0.610 pg/L 0.196 pg/L 0.133 pg/L 7.03 pg/L 3.35 pg/L	EB07-SA5B-122110

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
EB07-SA5B-122110(RES)	1,2,3,4,6,7,8-HPCDD	1.31 pg/L	1.31U pg/L
EB07-SA5B-122110(RES)	1,2,3,4,6,7,8-HPCDF	0.808 pg/L	0.808U pg/L
EB07-SA5B-122110(RES)	1,2,3,4,7,8,9-HPCDF	0.170 pg/L	0.170U pg/L
EB07-SA5B-122110(RES)	1,2,3,4,7,8-HxCDF	0.273 pg/L	0.273U pg/L
EB07-SA5B-122110(RES)	1,2,3,6,7,8-HxCDD	0.128 pg/L	0.128U pg/L
EB07-SA5B-122110(RES)	1,2,3,6,7,8-HxCDF	0.168 pg/L	0.168U pg/L
EB07-SA5B-122110(RES)	1,2,3,7,8,9-HxCDD	0.184 pg/L	0.184U pg/L
EB07-SA5B-122110(RES)	1,2,3,7,8,9-HxCDF	0.209 pg/L	0.209U pg/L
EB07-SA5B-122110(RES)	1,2,3,7,8-PECDD	0.152 pg/L	0.152U pg/L
EB07-SA5B-122110(RES)	1,2,3,7,8-PECDF	0.136 pg/L	0.136U pg/L
EB07-SA5B-122110(RES)	2,3,4,6,7,8-HxCDF	0.346 pg/L	0.346U pg/L
EB07-SA5B-122110(RES)	2,3,4,7,8-PECDF	0.488 pg/L	0.488U pg/L
EB07-SA5B-122110(RES)	2,3,7,8-TCDD	0.117 pg/L	0.117U pg/L
EB07-SA5B-122110(RES)	2,3,7,8-TCDF	0.103 pg/L	0.103U pg/L
EB07-SA5B-122110(RES)	OCDD	3.13 pg/L	3.13U pg/L
EB07-SA5B-122110(RES)	OCDF	0.470 pg/L	0.470U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370708	1/29/2011 7:08:00 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-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	0.109 ng/Kg 0.0701 ng/Kg 0.0445 ng/Kg 0.0193 ng/Kg 0.0381 ng/Kg 0.0306 ng/Kg 0.0329 ng/Kg 0.0346 ng/Kg 0.0303 ng/Kg 0.0279 ng/Kg 0.0381 ng/Kg 0.0691 ng/Kg 0.350 ng/Kg 0.214 ng/Kg	DUP15-SA5B-QC-122110 SL-006-SA5B-SB-4.0-5.0 SL-006-SA5B-SB-5.0-6.0 SL-046-SA5B-SB-4.0-5.0 SL-046-SA5B-SB-9.0-10.0 SL-047-SA5B-SB-4.0-5.0 SL-159-SA5B-SS-0.0-0.5 SL-183-SA5B-SS-0.0-0.5 SL-219-SA5B-SS-0.0-0.5 SL-225-SA5B-SS-0.0-0.5 SL-226-SA5B-SS-0.0-0.5 SL-227-SA5B-SS-0.0-0.5
PBB371011	2/7/2011 10:11:00 AM	2,3,7,8-TCDF	0.0174 ng/Kg	DUP15-SA5B-QC-122110 SL-006-SA5B-SB-4.0-5.0 SL-006-SA5B-SB-5.0-6.0 SL-046-SA5B-SB-4.0-5.0 SL-046-SA5B-SB-9.0-10.0 SL-047-SA5B-SB-4.0-5.0 SL-159-SA5B-SS-0.0-0.5 SL-183-SA5B-SS-0.0-0.5 SL-219-SA5B-SS-0.0-0.5 SL-225-SA5B-SS-0.0-0.5 SL-226-SA5B-SS-0.0-0.5 SL-227-SA5B-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
DUP15-SA5B-QC-122110(RES)	1,2,3,4,6,7,8-HPCDF	0.340 ng/Kg	0.340U ng/Kg
DUP15-SA5B-QC-122110(RES)	1,2,3,4,7,8,9-HPCDF	0.113 ng/Kg	0.113U ng/Kg
DUP15-SA5B-QC-122110(RES)	1,2,3,4,7,8-HxCDD	0.0302 ng/Kg	0.0302U ng/Kg
DUP15-SA5B-QC-122110(RES)	1,2,3,4,7,8-HxCDF	0.105 ng/Kg	0.105U ng/Kg
DUP15-SA5B-QC-122110(RES)	1,2,3,6,7,8-HxCDF	0.0733 ng/Kg	0.0733U ng/Kg
DUP15-SA5B-QC-122110(RES)	1,2,3,7,8,9-HxCDD	0.0686 ng/Kg	0.0686U ng/Kg
DUP15-SA5B-QC-122110(RES)	1,2,3,7,8-PECDD	0.0427 ng/Kg	0.0427U ng/Kg
DUP15-SA5B-QC-122110(RES)	1,2,3,7,8-PECDF	0.0574 ng/Kg	0.0574U ng/Kg
DUP15-SA5B-QC-122110(RES)	2,3,4,6,7,8-HxCDF	0.0972 ng/Kg	0.0972U ng/Kg
DUP15-SA5B-QC-122110(RES)	2,3,4,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
DUP15-SA5B-QC-122110(RES)	OCDF	0.679 ng/Kg	0.679U ng/Kg
SL-006-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0659 ng/Kg	0.0659U ng/Kg
SL-006-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0712 ng/Kg	0.0712U ng/Kg
SL-006-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.131 ng/Kg	0.131U ng/Kg
SL-006-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0854 ng/Kg	0.0854U ng/Kg
SL-006-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0583 ng/Kg	0.0583U ng/Kg
SL-006-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0460 ng/Kg	0.0460U ng/Kg
SL-006-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.163 ng/Kg	0.163U ng/Kg
SL-006-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.103 ng/Kg	0.103U ng/Kg
SL-006-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0265 ng/Kg	0.0265U ng/Kg
SL-006-SA5B-SB-5.0-6.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0639 ng/Kg	0.0639U ng/Kg
SL-006-SA5B-SB-5.0-6.0(RES)	1,2,3,4,7,8-HxCDF	0.0682 ng/Kg	0.0682U ng/Kg
SL-006-SA5B-SB-5.0-6.0(RES)	1,2,3,6,7,8-HxCDF	0.0710 ng/Kg	0.0710U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_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-006-SA5B-SB-5.0-6.0(RES)	1,2,3,7,8,9-HXCDF	0.0672 ng/Kg	0.0672U ng/Kg
SL-006-SA5B-SB-5.0-6.0(RES)	1,2,3,7,8-PECDD	0.0466 ng/Kg	0.0466U ng/Kg
SL-006-SA5B-SB-5.0-6.0(RES)	1,2,3,7,8-PECDF	0.0269 ng/Kg	0.0289U ng/Kg
SL-006-SA5B-SB-5.0-6.0(RES)	2,3,4,6,7,8-HXCDF	0.0855 ng/Kg	0.0855U ng/Kg
SL-006-SA5B-SB-5.0-6.0(RES)	2,3,4,7,8-PECDF	0.0634 ng/Kg	0.0634U ng/Kg
SL-006-SA5B-SB-5.0-6.0(RES)	OCDF	0.677 ng/Kg	0.677U ng/Kg
SL-046-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.114 ng/Kg	0.114U ng/Kg
SL-046-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0646 ng/Kg	0.0646U ng/Kg
SL-046-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0860 ng/Kg	0.0860U ng/Kg
SL-046-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0796 ng/Kg	0.0796U ng/Kg
SL-046-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.134 ng/Kg	0.134U ng/Kg
SL-046-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0682 ng/Kg	0.0682U ng/Kg
SL-046-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0587 ng/Kg	0.0587U ng/Kg
SL-046-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.123 ng/Kg	0.123U ng/Kg
SL-046-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.191 ng/Kg	0.191U ng/Kg
SL-046-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.138 ng/Kg	0.138U ng/Kg
SL-046-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0961 ng/Kg	0.0961U ng/Kg
SL-046-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-046-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.140 ng/Kg	0.140U ng/Kg
SL-046-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.164 ng/Kg	0.164U ng/Kg
SL-046-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.309 ng/Kg	0.309U ng/Kg
SL-046-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0556 ng/Kg	0.0556U ng/Kg
SL-046-SA5B-SB-9.0-10.0(RES)	OCDF	0.832 ng/Kg	0.832U ng/Kg
SL-047-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0908 ng/Kg	0.0908U ng/Kg
SL-047-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.137 ng/Kg	0.137U ng/Kg
SL-047-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.102 ng/Kg	0.102U ng/Kg
SL-047-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0871 ng/Kg	0.0871U ng/Kg
SL-047-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0930 ng/Kg	0.0930U ng/Kg
SL-047-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.115 ng/Kg	0.115U ng/Kg
SL-047-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.166 ng/Kg	0.166U ng/Kg
SL-047-SA5B-SB-4.0-5.0(RES)	OCDF	0.824 ng/Kg	0.824U ng/Kg
SL-183-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.279 ng/Kg	0.279U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_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-046-SA5B-SB-4.0-5.0MSD (SL-046-SA5B-SB-4.0-5.0)	1,2,3,4,6,7,8-HPCDD OCDD	- -	164 625	40.00-135.00 40.00-135.00	56 (20.00) 145 (20.00)	1,2,3,4,6,7,8-HPCDD OCDD	J (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-046-SA5B-SB-4.0- 5.0	DUP15-SA5B-QC- 122110			
MOISTURE	8.1	8.7	7		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-046-SA5B-SB-4.0- 5.0	DUP15-SA5B-QC- 122110			
1,2,3,4,7,8,9-HPCDF	0.114	0.113	1	50.00	No Qualifiers Applied
1,2,3,4,7,8-HXCDF	0.0860	0.105	20	50.00	
1,2,3,6,7,8-HXCDF	0.0796	0.0733	8	50.00	
1,2,3,7,8-PECDD	0.0682	0.0427	46	50.00	
1,2,3,7,8-PECDF	0.0587	0.0574	2	50.00	
2,3,4,6,7,8-HXCDF	0.123	0.0972	23	50.00	
1,2,3,4,6,7,8-HPCDD	12.5	1.53	156	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,6,7,8-HPCDF	0.896	0.340	90	50.00	
1,2,3,4,7,8-HxCDD	0.0646	0.0302	73	50.00	
1,2,3,6,7,8-HxCDD	0.347	0.112	102	50.00	
1,2,3,7,8,9-HxCDD	0.184	0.0686	91	50.00	
1,2,3,7,8,9-HXCDF	0.134	5.48 U	200	50.00	
2,3,4,7,8-PECDF	0.191	0.102	61	50.00	
OCDD	87.9	17.6	133	50.00	
OCDF	2.61	0.679	117	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB07-SA5B-122110	1,2,3,4,6,7,8-HPCDD	JB	1.31	10.4	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.808	10.4	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.170	10.4	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.273	10.4	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.128	10.4	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.168	10.4	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JB	0.184	10.4	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JB	0.209	10.4	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.152	10.4	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	0.136	10.4	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.346	10.4	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.488	10.4	PQL	pg/L	
	2,3,7,8-TCDD	JBQ	0.117	2.08	PQL	pg/L	
	2,3,7,8-TCDF	JBQ	0.103	2.08	PQL	pg/L	
	OCDD	JB	3.13	20.8	PQL	pg/L	
	OCDF	JB	0.470	20.8	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP15-SA5B-QC-122110	1,2,3,4,6,7,8-HPCDD	JB	1.53	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.340	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.113	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0302	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.105	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.112	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0733	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0686	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0427	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0574	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0972	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.102	5.48	PQL	ng/Kg	
	OCDF	JB	0.679	11.0	PQL	ng/Kg	
SL-006-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.82	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.416	5.43	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0659	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0712	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.323	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.131	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.466	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0854	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0583	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0460	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.163	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.103	5.43	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0265	1.09	PQL	ng/Kg	
	OCDF	JB	1.09	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-006-SA5B-SB-5.0-6.0	1,2,3,4,6,7,8-HPCDD	JB	3.05	6.05	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.401	6.05	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0639	6.05	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0682	6.05	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.154	6.05	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0710	6.05	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.165	6.05	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0672	6.05	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0466	6.05	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0289	6.05	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0855	6.05	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0634	6.05	PQL	ng/Kg	
	OCDF	JB	0.677	12.1	PQL	ng/Kg	
SL-046-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	0.896	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.114	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0646	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0860	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.347	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0796	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.184	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.134	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0682	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0587	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.123	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.191	5.44	PQL	ng/Kg	
	OCDF	JB	2.61	10.9	PQL	ng/Kg	
SL-046-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.03	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.392	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.138	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0961	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.121	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.230	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.166	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.349	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.358	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.140	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.149	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.164	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.309	5.66	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0556	1.13	PQL	ng/Kg	
	OCDF	JB	0.832	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-047-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.63	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.610	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0908	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.111	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.137	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.445	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.102	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.259	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.176	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0871	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0930	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.115	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.166	5.53	PQL	ng/Kg	
	OCDF	JB	0.824	11.1	PQL	ng/Kg	
SL-159-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	3.64	5.83	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	5.59	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	3.75	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.97	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.57	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.08	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.18	5.83	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	2.80	5.83	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.02	5.83	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.250	1.17	PQL	ng/Kg	
SL-183-SA5B-SS-0.0-0.5	2,3,7,8-TCDF	J	0.324	1.17	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.735	5.94	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.674	5.94	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.363	5.94	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	1.44	5.94	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.436	5.94	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	1.37	5.94	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.245	5.94	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.398	5.94	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.330	5.94	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.392	5.94	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.279	5.94	PQL	ng/Kg	
SL-219-SA5B-SS-0.0-0.5	2,3,7,8-TCDF	JQ	0.0984	1.19	PQL	ng/Kg	J (all detects)
	1,2,3,6,7,8-HxCDF	JB	5.20	6.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	4.06	6.44	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	4.32	6.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	3.17	6.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	5.86	6.44	PQL	ng/Kg	
SL-226-SA5B-SS-0.0-0.5	2,3,7,8-TCDD	J	0.586	1.29	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDF	JB	5.28	6.16	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	2.14	6.16	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	5.07	6.16	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	1.89	6.16	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.07	6.16	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.282	1.23	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.587	1.23	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX032

Laboratory: LL

EDD Filename: DX032_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-227-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JBQ	2.11	6.07	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.10	6.07	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.32	6.07	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	4.68	6.07	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	2.46	6.07	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.34	6.07	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.422	6.07	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.507	6.07	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.77	6.07	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	4.85	6.07	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.551	6.07	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0686	1.21	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.248	1.21	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: December 21, 2010

LDC Report Date: July 12, 2011

Matrix: Soil/Water

Parameters: Dioxins/Dibenzofurans

Validation Level: Level IV

Laboratory: Lancaster Laboratories

Sample Delivery Group (SDG): DX032

Sample Identification

DUP15-SA5B-QC-122110
EB07-SA5B-122110
SL-006-SA5B-SB-4.0-5.0
SL-006-SA5B-SB-5.0-6.0
SL-046-SA5B-SB-4.0-5.0
SL-046-SA5B-SB-9.0-10.0
SL-047-SA5B-SB-4.0-5.0
SL-159-SA5B-SS-0.0-0.5
SL-183-SA5B-SS-0.0-0.5
SL-219-SA5B-SS-0.0-0.5
SL-225-SA5B-SS-0.0-0.5
SL-226-SA5B-SS-0.0-0.5
SL-227-SA5B-SS-0.0-0.5
SL-046-SA5B-SB-4.0-5.0MS
SL-046-SA5B-SB-4.0-5.0MSD

Introduction

This data review covers 14 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.
- N Presumptive evidence of presence of the constituent.
- 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. Cooler temperatures for several samples were reported at 6.4°C to 9.0°C upon receipt by the laboratory.

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 30.0% 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 less than or equal to 20.0% for unlabeled compounds and less than or equal to 30.0% for labeled compounds.

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
BLANKA	1/14/11	2,3,7,8-TCDF	0.0174 ng/Kg	SL-219-SA5B-SS-0.0-0.5 SL-225-SA5B-SS-0.0-0.5
BLANKA	1/14/11	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0303 ng/Kg 0.0193 ng/Kg 0.0329 ng/Kg 0.109 ng/Kg 0.350 ng/Kg 0.0279 ng/Kg 0.0691 ng/Kg 0.0381 ng/Kg 0.0306 ng/Kg 0.0381 ng/Kg 0.0346 ng/Kg 0.0701 ng/Kg 0.0445 ng/Kg 0.214 ng/Kg	All soil samples in SDG DX032
BLANKA	1/18/11	2,3,7,8-TCDD 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 2,3,7,8-TCDF 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.196 pg/L 0.436 pg/L 0.582 pg/L 0.636 pg/L 0.740 pg/L 2.11 pg/L 7.03 pg/L 0.133 pg/L 0.316 pg/L 0.610 pg/L 0.509 pg/L 0.532 pg/L 0.551 pg/L 0.800 pg/L 1.21 pg/L 0.676 pg/L 3.44 pg/L	All water samples in SDG DX032

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
DUP15-SA5B-QC-122110	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 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 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0427 ng/Kg 0.0302 ng/Kg 0.0686 ng/Kg 0.0574 ng/Kg 0.102 ng/Kg 0.105 ng/Kg 0.0733 ng/Kg 0.0972 ng/Kg 0.340 ng/Kg 0.113 ng/Kg 0.679 ng/Kg	0.0427U ng/Kg 0.0302U ng/Kg 0.0686U ng/Kg 0.0574U ng/Kg 0.102U ng/Kg 0.105U ng/Kg 0.0733U ng/Kg 0.0972U ng/Kg 0.340U ng/Kg 0.113U ng/Kg 0.679U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-006-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0583 ng/Kg 0.0460 ng/Kg 0.103 ng/Kg 0.0712 ng/Kg 0.131 ng/Kg 0.163 ng/Kg 0.0854 ng/Kg 0.0659 ng/Kg	0.0583U ng/Kg 0.0460U ng/Kg 0.103U ng/Kg 0.0712U ng/Kg 0.131U ng/Kg 0.163U ng/Kg 0.0854U ng/Kg 0.0659U ng/Kg
SL-006-SA5B-SB-5.0-6.0	1,2,3,7,8-PeCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0466 ng/Kg 0.0289 ng/Kg 0.0634 ng/Kg 0.0682 ng/Kg 0.0710 ng/Kg 0.0855 ng/Kg 0.0672 ng/Kg 0.0639 ng/Kg 0.677 ng/Kg	0.0466U ng/Kg 0.0289U ng/Kg 0.0634U ng/Kg 0.0682U ng/Kg 0.0710U ng/Kg 0.0855U ng/Kg 0.0672U ng/Kg 0.0639U ng/Kg 0.677U ng/Kg
SL-046-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0682 ng/Kg 0.0646 ng/Kg 0.0587 ng/Kg 0.191 ng/Kg 0.0860 ng/Kg 0.0796 ng/Kg 0.123 ng/Kg 0.134 ng/Kg 0.114 ng/Kg	0.0682U ng/Kg 0.0646U ng/Kg 0.0587U ng/Kg 0.191U ng/Kg 0.0860U ng/Kg 0.0796U ng/Kg 0.123U ng/Kg 0.134U ng/Kg 0.114U ng/Kg
SL-046-SA5B-SB-9.0-10.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 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 1,2,3,4,7,8,9-HpCDF OCDF	0.140 ng/Kg 0.0961 ng/Kg 0.149 ng/Kg 0.309 ng/Kg 0.121 ng/Kg 0.166 ng/Kg 0.164 ng/Kg 0.138 ng/Kg 0.832 ng/Kg	0.140U ng/Kg 0.0961U ng/Kg 0.149U ng/Kg 0.309U ng/Kg 0.121U ng/Kg 0.166U ng/Kg 0.164U ng/Kg 0.138U ng/Kg 0.832U ng/Kg
SL-047-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 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 1,2,3,4,7,8,9-HpCDF OCDF	0.0871 ng/Kg 0.0930 ng/Kg 0.166 ng/Kg 0.137 ng/Kg 0.102 ng/Kg 0.115 ng/Kg 0.0908 ng/Kg 0.824 ng/Kg	0.0871U ng/Kg 0.0930U ng/Kg 0.166U ng/Kg 0.137U ng/Kg 0.102U ng/Kg 0.115U ng/Kg 0.0908U ng/Kg 0.824U ng/Kg
SL-183-SA5B-SS-0.0-0.5	2,3,4,7,8-PeCDF	0.279 ng/Kg	0.279U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
EB07-SA5B-122110	2,3,7,8-TCDD	0.117 pg/L	0.117U pg/L
	1,2,3,7,8-PeCDD	0.152 pg/L	0.152U pg/L
	1,2,3,6,7,8-HxCDD	0.128 pg/L	0.128U pg/L
	1,2,3,7,8,9-HxCDD	0.184 pg/L	0.184U pg/L
	1,2,3,4,6,7,8-HpCDD	1.31 pg/L	1.31U pg/L
	OCDD	3.13 pg/L	3.13U pg/L
	2,3,7,8-TCDF	0.103 pg/L	0.103U pg/L
	1,2,3,7,8-PeCDF	0.136 pg/L	0.136U pg/L
	2,3,4,7,8-PeCDF	0.488 pg/L	0.488U pg/L
	1,2,3,4,7,8-HxCDF	0.273 pg/L	0.273U pg/L
	1,2,3,6,7,8-HxCDF	0.168 pg/L	0.168U pg/L
	2,3,4,6,7,8-HxCDF	0.346 pg/L	0.346U pg/L
	1,2,3,7,8,9-HxCDF	0.209 pg/L	0.209U pg/L
	1,2,3,4,6,7,8-HpCDF	0.808 pg/L	0.808U pg/L
	1,2,3,4,7,8,9-HpCDF	0.170 pg/L	0.170U pg/L
	OCDF	0.470 pg/L	0.470U pg/L

Sample EB07-SA5B-122110 was identified as an equipment blank. No polychlorinated dioxin/dibenzofuran contaminants were found in this blank with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
EB07-SA5B-122110	12/21/10	2,3,7,8-TCDD	0.117 pg/L	All soil samples in SDG DX032
		1,2,3,7,8-PeCDD	0.152 pg/L	
		1,2,3,6,7,8-HxCDD	0.128 pg/L	
		1,2,3,7,8,9-HxCDD	0.184 pg/L	
		1,2,3,4,6,7,8-HpCDD	1.31 pg/L	
		OCDD	3.13 pg/L	
		2,3,7,8-TCDF	0.103 pg/L	
		1,2,3,7,8-PeCDF	0.136 pg/L	
		2,3,4,7,8-PeCDF	0.488 pg/L	
		1,2,3,4,7,8-HxCDF	0.273 pg/L	
		1,2,3,6,7,8-HxCDF	0.168 pg/L	
		1,2,3,7,8,9-HxCDF	0.209 pg/L	
		2,3,4,6,7,8-HxCDF	0.346 pg/L	
		1,2,3,4,6,7,8-HpCDF	0.808 pg/L	
		1,2,3,4,7,8,9-HpCDF	0.170 pg/L	
		OCDF	0.470 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 with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
SL-046-SA5B-SB-4.0-5.0MS/MSD (SL-046-SA5B-SB-4.0-5.0)	1,2,3,4,6,7,8-HpCDD OCDD	- -	164 (40-135) 625 (40-135)	56 (≤20) 145 (≤20)	J (all detects) J (all 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 CRQLs

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

Sample	Compound	Finding	Criteria	Flag	A or P
SL-159-SA5B-SS-0.0-0.5 SL-219-SA5B-SS-0.0-0.5 SL-226-SA5B-SS-0.0-0.5	OCDD	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	P
SL-225-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HpCDD OCDD	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	P

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG DX032	All compounds reported below the RL.	J (all detects)	A

XII. System Performance

The system performance was acceptable.

XIII. Overall Assessment of Data

The overall assessment of data was acceptable. In the case where more than one result was reported for an individual sample, the least technically acceptable results were rejected as follows:

Sample	Compound	Flag	A or P
SL-219-SA5B-SS-0.0-0.5	2,3,7,8-TCDF from column SP2331	R	A
SL-225-SA5B-SS-0.0-0.5	2,3,7,8-TCDF from column DB-5MS	R	A

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

XIV. Field Duplicates

Samples DUP15-SA5B-QC-122110 and SL-046-SA5B-SB-4.0-5.0 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
	DUP15-SA5B-QC-122110	SL-046-SA5B-SB-4.0-5.0			
1,2,3,7,8-PeCDD	0.0427	0.0682	46 (≤50)	-	-
1,2,3,4,7,8-HxCDD	0.0302	0.0646	73 (≤50)	J (all detects)	A
1,2,3,6,7,8-HxCDD	0.112	0.347	102 (≤50)	J (all detects)	A
1,2,3,7,8,9-HxCDD	0.0686	0.184	91 (≤50)	J (all detects)	A
1,2,3,4,6,7,8-HpCDD	1.53	12.5	156 (≤50)	J (all detects)	A
OCDD	17.6	87.9	133 (≤50)	J (all detects)	A
1,2,3,7,8-PeCDF	0.0574	0.0587	2 (≤50)	-	-
2,3,4,7,8-PeCDF	0.102	0.191	61 (≤50)	J (all detects)	A
1,2,3,4,7,8-HxCDF	0.105	0.0860	20 (≤50)	-	-

Compound	Concentration (ng/Kg)		RPD (Limits)	Flags	A or P
	DUP15-SA5B-QC-122110	SL-046-SA5B-SB-4.0-5.0			
1,2,3,6,7,8-HxCDF	0.0733	0.0796	8 (≤50)	-	-
1,2,3,7,8,9-HxCDF	0.0266U	0.134	200 (≤50)	J (all detects) UJ (all non-detects)	A
2,3,4,6,7,8-HxCDF	0.0972	0.123	23 (≤50)	-	-
1,2,3,4,6,7,8-HpCDF	0.340	0.896	90 (≤50)	J (all detects)	A
1,2,3,4,7,8,9-HpCDF	0.113	0.114	1 (≤50)	-	-
OCDF	0.679	2.61	117 (≤50)	J (all detects)	A

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Data Qualification Summary - SDG DX032

SDG	Sample	Compound	Flag	A or P	Reason (Code)
DX032	SL-046-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HpCDD OCDD	J (all detects) J (all detects)	A	Matrix spike/Matrix spike duplicate (%R)(RPD) (Q)
DX032	SL-159-SA5B-SS-0.0-0.5 SL-219-SA5B-SS-0.0-0.5 SL-226-SA5B-SS-0.0-0.5	OCDD	J (all detects)	P	Compound quantitation and CRQLs (exceeded range) (*XI)
DX032	SL-225-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HpCDD OCDD	J (all detects) J (all detects)	P	Compound quantitation and CRQLs (exceeded range) (*XI)
DX032	DUP15-SA5B-QC-122110 EB07-SA5B-122110 SL-006-SA5B-SB-4.0-5.0 SL-006-SA5B-SB-5.0-6.0 SL-046-SA5B-SB-4.0-5.0 SL-046-SA5B-SB-9.0-10.0 SL-047-SA5B-SB-4.0-5.0 SL-159-SA5B-SS-0.0-0.5 SL-183-SA5B-SS-0.0-0.5 SL-219-SA5B-SS-0.0-0.5 SL-225-SA5B-SS-0.0-0.5 SL-226-SA5B-SS-0.0-0.5 SL-227-SA5B-SS-0.0-0.5	All compounds reported below the RL.	J (all detects)	A	Compound quantitation and CRQLs (Z)
DX032	SL-219-SA5B-SS-0.0-0.5	2,3,7,8-TCDF from column SP2331	R	A	Overall assessment (*XIII)
DX032	SL-225-SA5B-SS-0.0-0.5	2,3,7,8-TCDF from column DB-5MS	R	A	Overall assessment (*XIII)
DX032	DUP15-SA5B-QC-122110 SL-046-SA5B-SB-4.0-5.0	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 1,2,3,4,6,7,8-HpCDF OCDF	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Field duplicates (RPD) (FD)
DX032	DUP15-SA5B-QC-122110 SL-046-SA5B-SB-4.0-5.0	1,2,3,7,8,9-HxCDF	J (all detects) UJ (all non-detects)	A	Field duplicates (RPD) (FD)

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Laboratory Blank Data Qualification Summary - SDG DX032

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX032	DUP15-SA5B-QC-122110	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 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 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0427U ng/Kg 0.0302U ng/Kg 0.0686U ng/Kg 0.0574U ng/Kg 0.102U ng/Kg 0.105U ng/Kg 0.0733U ng/Kg 0.0972U ng/Kg 0.340U ng/Kg 0.113U ng/Kg 0.679U ng/Kg	A	B
DX032	SL-006-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0583U ng/Kg 0.0460U ng/Kg 0.103U ng/Kg 0.0712U ng/Kg 0.131U ng/Kg 0.163U ng/Kg 0.0854U ng/Kg 0.0659U ng/Kg	A	B
DX032	SL-006-SA5B-SB-5.0-6.0	1,2,3,7,8-PeCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0466U ng/Kg 0.0289U ng/Kg 0.0634U ng/Kg 0.0682U ng/Kg 0.0710U ng/Kg 0.0855U ng/Kg 0.0672U ng/Kg 0.0639U ng/Kg 0.677U ng/Kg	A	B
DX032	SL-046-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 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 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0682U ng/Kg 0.0646U ng/Kg 0.0587U ng/Kg 0.191U ng/Kg 0.0860U ng/Kg 0.0796U ng/Kg 0.123U ng/Kg 0.134U ng/Kg 0.114U ng/Kg	A	B
DX032	SL-046-SA5B-SB-9.0-10.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 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 1,2,3,4,7,8,9-HpCDF OCDF	0.140U ng/Kg 0.0961U ng/Kg 0.149U ng/Kg 0.309U ng/Kg 0.121U ng/Kg 0.166U ng/Kg 0.164U ng/Kg 0.138U ng/Kg 0.832U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX032	SL-047-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 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 1,2,3,4,7,8,9-HpCDF OCDF	0.0871U ng/Kg 0.0930U ng/Kg 0.166U ng/Kg 0.137U ng/Kg 0.102U ng/Kg 0.115U ng/Kg 0.0908U ng/Kg 0.824U ng/Kg	A	B
DX032	SL-183-SA5B-SS-0.0-0.5	2,3,4,7,8-PeCDF	0.279U ng/Kg	A	B
DX032	EB07-SA5B-122110	2,3,7,8-TCDD 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-HpCDD OCDD 2,3,7,8-TCDF 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 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.117U pg/L 0.152U pg/L 0.128U pg/L 0.184U pg/L 1.31U pg/L 3.13U pg/L 0.103U pg/L 0.136U pg/L 0.488U pg/L 0.273U pg/L 0.168U pg/L 0.346U pg/L 0.209U pg/L 0.808U pg/L 0.170U pg/L 0.470U pg/L	A	B

Santa Susana Field Laboratory

Dioxins/Dibenzofurans - Field Blank Data Qualification Summary - SDG DX032

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	A	Sampling dates: 12/21/10 Temp @ 6.4°C - 9.0°C for 2-4, 7
II.	HRGC/HRMS Instrument performance check	A	
III.	Initial calibration	A	
IV.	Routine calibration/ISV	A	QC limits
V.	Blanks	SW	
VI.	Matrix spike/Matrix spike duplicates	SW	
VII.	Laboratory control samples	A	LOS
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	SW	
XIV.	Field duplicates	SW	D = 1 + 5
XV.	Field blanks	SW	EB = 2

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples:
M soils except H2

1	DUP15-SA5B-QC-122110	11	SL-225-SA5B-SB-0.0-0.5	21	BANKA 1104002	31
2	EB07-SA5B-122110	12	SL-226-SA5B-SB-0.0-0.5	22	BANKA 1101800	32
3	SL-006-SA5B-SB-4.0-5.0	13	SL-227-SA5B-SB-0.0-0.5	23		33
4	SL-006-SA5B-SB-5.0-6.0	14	SL-046-SA5B-SB-4.0-5.0MS	24		34
5	SL-046-SA5B-SB-4.0-5.0	15	SL-046-SA5B-SB-4.0-5.0MSD	25		35
6	SL-046-SA5B-SB-9.0-10.0	16		26		36
7	SL-047-SA5B-SB-4.0-5.0	17		27		37
8	SL-159-SA5B-SB-0.0-0.5	18		28		38
9	SL-183-SA5B-SB-0.0-0.5	19		29		39
10	SL-219-SA5B-SB-0.0-0.5	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?	☒	☐	☐	

LDC #: 25371-1

VALIDATION FINDINGS CHECKLIST

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Reviewer: 9
2nd Reviewer: C

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 ≥ 2.5 ?	☒			
Does the maximum intensity of each specified characteristic ion coincide within ± 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

Notes:

Blank extraction date: 1/14/11
 Conc. units: ng/kg
 Blank analysis date: 2/7/11
 Associated samples: 10-11 (B)

[illegible]

ALL RESULTS WERE QUALIFIED BY THE FOLLOWING STATEMENT:

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

VALIDATION FINDINGS WOR/UHEET Blanks

Page: 1 of 1
Reviewer: Q
2nd Reviewer: A

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

Blank extraction date: 1/14/11 Blank analysis date: 1/29/11
Conc. units: ng/kg

Associated samples: All Soils (B)

Compound	Blank ID	Sample Identification									
		5X	1	3	4	5	6	7	9	10	11
	BLANKA										
B	0.0303 *	0.1515	0.0427 *U	0.0583 *U	0.0466 *U	0.0682 *U	0.140/U	0.0871/U			
C	0.0193 *	0.0965	0.0302 *U			0.0646 *U	0.0961 *U				
E	0.0329 *	0.1645	0.0686 *U								
F	0.109 *	0.545									
G	0.350 *	1.75									
I	0.0279 *	0.1395	0.0574 *U	0.0460/U	0.0289/U	0.0587 *U	0.149 *U	0.0930*/U			
J	0.0691	0.3455	0.102/U	0.103 *U	0.0634 *U	0.191*/U	0.309/U	0.166/U	0.279/U		
K	0.0381	0.1905	0.105 *U	0.0712/U	0.0682 *U	0.0860*/U	0.121*/U	0.137/U			
L	0.0306 *	0.153	0.0733 *U	0.131 *U	0.0710/U	0.0796 *U	0.166 *U	0.102/U			
M	0.0381 *	0.1905	0.0972/U	0.163/U	0.0855 *U	0.123/U	0.164/U	0.115*/U			
N	0.0346 *	0.173		0.0854 *U	0.0672 *U	0.134/U					
O	0.0701 *	0.3505	0.340 *U								
P	0.0445 *	0.2225	0.113/U	0.0659 *U	0.0639*/U	0.114/U	0.138/U	0.0908 *U			
Q	0.214	1.07	0.679/U		0.677/U		0.832/U	0.824/U			

* EMPC

ALL RESULTS WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

VALIDATION FINDINGS WOR/UHEET
Blanks

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

Blank extraction date: 1/18/11 Blank analysis date: 1/20/11

Conc. units: pg/L Associated samples: All H2O (B)

Compound	Blank ID	Sample Identification									
		5X	2								
	BLANKA										
A	0.196 *	0.98	0.117 */U								
B	0.436 *	2.18	0.152 */U								
C	0.582	2.91									
D	0.636 *	3.18	0.128 */U								
E	0.740 *	3.7	0.184/U								
F	2.11 *	10.55	1.31/U								
G	7.03	35.15	3.13/U								
H	0.133	0.665	0.103 */U								
I	0.316	1.58	0.136/U								
J	0.610	3.05	0.488*/U								
K	0.509 *	2.545	0.273 */U								
L	0.532 *	2.66	0.168 */U								
M	0.551	2.755	0.346 */U								
N	0.800 *	4	0.209/U								
O	1.21 *	6.05	0.808 */U								
P	0.676 *	3.38	0.170 */U								
Q	3.44	17.2	0.470/U								

* EMPC

ALL RESULTS 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)

Blank units: pg/L Associated sample units: ng/kg
Sampling date: 12/21/10

Sampling date: 12/21/10

Field blank type: (circle one) Field Blank / Rinsate / Other:

Associated Samples: All soils (>5X)

[illegible]

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".

***EMPC**

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

$\frac{Y}{N}$	$\frac{N/A}{N/A}$

Comments: See sample calculation verification worksheet for recalculations

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:

LDC#:25737H21

VALIDATION FINDINGS WORKSHEET **Field Duplicates**

Page: 1 of 1
 Reviewer: 9
 2nd Reviewer: A

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

Y N NA
 Y N NA

Were field duplicate pairs identified in this SDG?

Were target analytes detected in the field duplicate pairs?

Compound	Concentration (ng/kg)		(<50) RPD	Qualifications (Parent Only)
	1	5		
B	0.0427 *	0.0682 *	46	
C	0.0302 *	0.0646 *	73	↓ dots / A
D	0.112	0.347	102	
E	0.0686 *	0.184	91	
F	1.53	12.5	156	
G	17.6	87.9	133	
I	0.0574 *	0.0587 *	2	
J	0.102	0.191 *	61	↓ dots / A
K	0.105 *	0.0860 *	20	
L	0.0733 *	0.0796 *	8	
N	0.0266U	0.134	200	↓ / UN / A
M	0.0972	0.123	23	
O	0.340 *	0.896	90	↓ dots / A
P	0.113	0.114	1	
Q	0.679	2.61	117	↓ dots / A

*EMPC

V:\FIELD DUPLICATES\25737H21_CDM.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:

$$RRF = (A_x)(C_s)/(A_s)(C_x)$$

average RRF = sum of the RRFs/number of standards

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

A_x = Area of compound,

C_x = Concentration of compound,

S = Standard deviation of the RRFs,

X = Mean of the RRFs

A_s = Area of associated internal standard

C_s = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				Average RRF (initial)	Average RRF (initial)	RRF (CS3 std)	RRF (CS3 std)	%RSD	%RSD
1	ICAL	12/21/10	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.168	1.168	1.204	1.204	2.30	
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.278	1.278	1.294	1.294	3.42	3.41
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	1.051	1.051	1.087	1.087	2.65	2.64
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.121	1.121	1.153	1.153	2.53	2.52
			OCDF (¹³ C-OCDF)	1.019	1.019	1.052	1.052	4.10	4.12
2	ICAL	1/27/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.279	1.279	1.274	1.274	5.58	5.58
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.379	1.379	1.345	1.345	5.08	5.07
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	1.132	1.132	1.154	1.154	5.52	5.53
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.203	1.203	1.214	1.214	2.74	2.74
			OCDF (¹³ C-OCDF)	1.062	1.062	1.073	1.073	5.54	5.56
3	ICAL	9/29/10	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.950	0.950	0.960	0.960	2.26	2.28
			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

Page: 1 of 2
Reviewer:
2nd Reviewer:

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 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	
					RRF (CC)	%R	RRF (CC)	%R
1	CS3CC07	1/20/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.168	9.560	96	9.558	96
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.278	9.740	97	9.737	97
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	1.051	49.390	99	49.395	99
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.121	49.600	99	49.603	99
			OCDF (¹³ C-OCDF)	1.019	99.260	99	99.263	99
2	CS3CC02	1/20/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.168	9.420	94	9.423	94
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.278	9.750	97	9.747	97
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	1.051	48.180	96	48.184	96
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.121	49.040	98	49.036	98
			OCDF (¹³ C-OCDF)	1.019	95.220	95	95.218	95
3	CS3CC04	1/29/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.279	9.290	93	9.288	93
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.379	9.690	97	9.693	97
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	1.132	49.260	99	49.257	99
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.203	49.220	98	49.216	98
			OCDF (¹³ C-OCDF)	1.062	99.890	100	99.891	100

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:

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

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

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)		%D		%D	
1	CS3CC04	1/29/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	1.279	9.380		9.377		94		94	
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.379	9.880		9.883		99		99	
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	1.132	49.280		49.277		99		99	
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.203	49.450		49.454		99		99	
			OCDF (¹³ C-OCDF)	1.062	100.530		100.532		101		101	
2	CS3CC09	2/7/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.950	10.470		10.466		105		105	
			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

Matrix Spike/Matrix Spike Duplicates Results Verification

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA 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 = $100 * (SSR - SR) / SA$ Where: SSR = Spiked sample result, SR = Sample result
 SA = Spike added

RPD = $|MSR - MSDR| * 2 / (MSR + MSDR)$ MSR = Matrix spike percent recovery MSDR = Matrix spike duplicate percent recovery

MS/MSD samples: 14/15

Compound	Spike Added (US/15)		Sample Concentration MS/15	Spiked Sample Concentration (US/15)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		Reported RPD		Recalculated RPD	
	MS	MSD		MS	MSD	Reported	Recalc.	Reported	Recalc.				
2,3,7,8-TCDD	21.8	21.8	11.5	20.8	21.5	92	92	99	99	7	7	7	7
1,2,3,7,8-PeCDD	10.9	10.9	0.0682	10.9	10.8	100	100	99	99	1	1	1	1
1,2,3,4,7,8-HxCDD	↓	↓	0.0646	10.6	10.5	97	97	97	96	0	0	1	1
1,2,3,4,7,8,9-HpCDF	↓	↓	0.114	10.7	10.9	98	98	100	100	2	2	2	2
OCDF	21.8	21.8	2.61	21.9	24.0	99	99	109	109	9	9	9	9

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.

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:

LCSD = Laboratory control sample duplicate percent recovery

LCS = Laboratory control sample percent recovery

$$RPD = |LCS - LCSD| * 2 / (LCS + LCSD)$$

LCSID: 2CSA-1101800/

[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.

LDC #:

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer: 9

2nd reviewer: A

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

↑Y N N/A

Y/N	N/A

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

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

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{Is})(RRF)(V_o)(\%S)}$$

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 1

$$\text{Conc.} = \frac{(4836)(2000)(1)}{(57627)(1.203)(10.0)(6.98)}$$

$$= 1.53 \text{ ns/kg}$$

[illegible]

SAMPLE DELIVERY GROUP

DX033

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
21-Dec-2010	SED-002-SIV-SD-0.0-0.5	6172363	N	METHOD	1613B	III
21-Dec-2010	SED-002-SIV-SD-0.0-0.5MS	6172364	MS	METHOD	1613B	III
21-Dec-2010	SED-002-SIV-SD-0.0-0.5MSD	6172365	MSD	METHOD	1613B	III
21-Dec-2010	DUP02-SIV-QC-122110	6172362	FD	METHOD	1613B	III
21-Dec-2010	SED-039-SIV-SD-0.0-0.5	6172369	N	METHOD	1613B	III
21-Dec-2010	SED-036-SIV-SD-0.0-0.5	6172367	N	METHOD	1613B	III
21-Dec-2010	SED-015-SIV-SD-0.0-0.5	6172366	N	METHOD	1613B	III
21-Dec-2010	SED-038-SIV-SD-0.0-0.5	6172368	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP02-SIV-QC-122110

Collected: 12/21/2010 9:52:00

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	2.04	JBQ	0.0419	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.494	JB	0.0197	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0821	JBQ	0.0283	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0497	JB	0.0383	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0820	JBQ	0.0270	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.183	JBQ	0.0385	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.117	JBQ	0.0237	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.190	JB	0.0382	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.100	JB	0.0285	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0676	JBQ	0.0382	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.177	JBQ	0.0270	MDL	5.95	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.138	JB	0.0250	MDL	5.95	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.314	JBQ	0.0268	MDL	5.95	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.176	JQ	0.0565	MDL	1.19	PQL	ng/Kg	J	Z
OCDF	0.904	JB	0.0465	MDL	11.9	PQL	ng/Kg	U	B

Sample ID: SED-002-SIV-SD-0.0-0.5

Collected: 12/21/2010 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	2.08	JB	0.0438	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.578	JB	0.0245	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0704	JB	0.0337	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0793	JBQ	0.0421	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0899	JBQ	0.0312	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.149	JBQ	0.0432	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0958	JBQ	0.0279	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.203	JB	0.0422	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.112	JBQ	0.0348	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0842	JBQ	0.0465	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.201	JB	0.0301	MDL	5.98	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.110	JB	0.0306	MDL	5.98	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.304	JB	0.0300	MDL	5.98	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.112	JQ	0.0642	MDL	1.20	PQL	ng/Kg	J	Z
OCDF	1.09	JBQ	0.0444	MDL	12.0	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-015-SIV-SD-0.0-0.5

Collected: 12/21/2010 1:05:00

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	5.17	JB	0.0577	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.12	JB	0.0329	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.314	JBQ	0.0447	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.281	JB	0.0583	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.334	JB	0.0461	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.511	JB	0.0613	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.373	JB	0.0422	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.524	JB	0.0598	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.331	JB	0.0521	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.419	JB	0.0572	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.452	JB	0.0400	MDL	6.51	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.510	JB	0.0465	MDL	6.51	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.787	JB	0.0387	MDL	6.51	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.349	JQ	0.0932	MDL	1.30	PQL	ng/Kg	J	Z
OCDF	2.04	JB	0.0478	MDL	13.0	PQL	ng/Kg	J	Z

Sample ID: SED-036-SIV-SD-0.0-0.5

Collected: 12/21/2010 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	1.22	JB	0.0513	MDL	6.32	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.321	JBQ	0.0198	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0505	JBQ	0.0263	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0608	JB	0.0402	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0784	JBQ	0.0281	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.106	JBQ	0.0431	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0969	JB	0.0244	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0675	JB	0.0407	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0759	JB	0.0288	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.112	JBQ	0.0473	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.148	JBQ	0.0298	MDL	6.32	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.131	JB	0.0260	MDL	6.32	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.299	JBQ	0.0287	MDL	6.32	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.175	JQ	0.0689	MDL	1.26	PQL	ng/Kg	J	Z
OCDD	6.76	JB	0.0416	MDL	12.6	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-036-SIV-SD-0.0-0.5

Collected: 12/21/2010 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
OCDF	0.491	JB	0.0539	MDL	12.6	PQL	ng/Kg	U	B

Sample ID: SED-038-SIV-SD-0.0-0.5

Collected: 12/21/2010 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
1,2,3,4,7,8,9-HPCDF	2.10	JB	0.115	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.89	JB	0.126	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.670	JB	0.113	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.665	JB	0.0992	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.358	JB	0.126	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.51	JB	0.180	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.274	JB	0.0673	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.07	JB	0.108	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.598	JB	0.0695	MDL	5.72	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.145	JQ	0.111	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.217	JQ	0.125	MDL	1.14	PQL	ng/Kg	J	Z

Sample ID: SED-039-SIV-SD-0.0-0.5

Collected: 12/21/2010 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	2.51	JB	0.0649	MDL	6.63	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.459	JB	0.0282	MDL	6.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0903	JB	0.0443	MDL	6.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.114	JBQ	0.0493	MDL	6.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.150	JB	0.0390	MDL	6.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.257	JBQ	0.0513	MDL	6.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.108	JB	0.0332	MDL	6.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.217	JBQ	0.0475	MDL	6.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0824	JBQ	0.0434	MDL	6.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.223	JBQ	0.0637	MDL	6.63	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.175	JB	0.0381	MDL	6.63	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.107	JB	0.0359	MDL	6.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.353	JBQ	0.0365	MDL	6.63	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.172	JQ	0.0889	MDL	1.33	PQL	ng/Kg	J	Z
OCDF	0.901	JBQ	0.0650	MDL	13.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX033

Method Blank Outlier Report

Lab Reporting Batch ID: DX033

EDD Filename: DX033_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370617	1/29/2011 6:17:00 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 OCDD OCDF	0.179 ng/Kg 0.0827 ng/Kg 0.0521 ng/Kg 0.0203 ng/Kg 0.0517 ng/Kg 0.0286 ng/Kg 0.0385 ng/Kg 0.0508 ng/Kg 0.0382 ng/Kg 0.0434 ng/Kg 0.0412 ng/Kg 0.0441 ng/Kg 0.0797 ng/Kg 0.535 ng/Kg 0.232 ng/Kg	DUP02-SIV-QC-122110 SED-002-SIV-SD-0.0-0.5 SED-015-SIV-SD-0.0-0.5 SED-036-SIV-SD-0.0-0.5 SED-038-SIV-SD-0.0-0.5 SED-039-SIV-SD-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
DUP02-SIV-QC-122110(RES)	1,2,3,4,7,8,9-HPCDF	0.0821 ng/Kg	0.0821U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,4,7,8-HxCDD	0.0497 ng/Kg	0.0497U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,4,7,8-HxCDF	0.0820 ng/Kg	0.0820U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,6,7,8-HxCDF	0.117 ng/Kg	0.117U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,7,8,9-HxCDD	0.190 ng/Kg	0.190U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,7,8,9-HxCDF	0.100 ng/Kg	0.100U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,7,8-PECDD	0.0676 ng/Kg	0.0676U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,7,8-PECDF	0.177 ng/Kg	0.177U ng/Kg
DUP02-SIV-QC-122110(RES)	2,3,4,6,7,8-HxCDF	0.138 ng/Kg	0.138U ng/Kg
DUP02-SIV-QC-122110(RES)	2,3,4,7,8-PECDF	0.314 ng/Kg	0.314U ng/Kg
DUP02-SIV-QC-122110(RES)	OCDF	0.904 ng/Kg	0.904U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0704 ng/Kg	0.0704U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0793 ng/Kg	0.0793U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.0899 ng/Kg	0.0899U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.0958 ng/Kg	0.0958U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HxCDD	0.203 ng/Kg	0.203U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.112 ng/Kg	0.112U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0842 ng/Kg	0.0842U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.201 ng/Kg	0.201U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.110 ng/Kg	0.110U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.304 ng/Kg	0.304U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	OCDF	1.09 ng/Kg	1.09U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.321 ng/Kg	0.321U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0505 ng/Kg	0.0505U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0608 ng/Kg	0.0608U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.0784 ng/Kg	0.0784U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HxCDD	0.106 ng/Kg	0.106U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.0969 ng/Kg	0.0969U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HxCDD	0.0675 ng/Kg	0.0675U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0759 ng/Kg	0.0759U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_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
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.112 ng/Kg	0.112U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.148 ng/Kg	0.148U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.131 ng/Kg	0.131U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.299 ng/Kg	0.299U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	OCDF	0.491 ng/Kg	0.491U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0903 ng/Kg	0.0903U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.150 ng/Kg	0.150U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.108 ng/Kg	0.108U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.217 ng/Kg	0.217U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0824 ng/Kg	0.0824U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.175 ng/Kg	0.175U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.107 ng/Kg	0.107U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.353 ng/Kg	0.353U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	OCDF	0.901 ng/Kg	0.901U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SED-002-SIV-SD-0.0- 0.5	DUP02-SIV-QC-122110			
MOISTURE	16.4	15.9	3		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SED-002-SIV-SD-0.0- 0.5	DUP02-SIV-QC-122110			
1,2,3,4,6,7,8-HPCDD	2.08	2.04	2	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.578	0.494	16	50.00	
1,2,3,4,7,8,9-HPCDF	0.0704	0.0821	15	50.00	
1,2,3,4,7,8-HxCDD	0.0793	0.0497	46	50.00	
1,2,3,4,7,8-HxCDF	0.0899	0.0820	9	50.00	
1,2,3,6,7,8-HxCDD	0.149	0.183	20	50.00	
1,2,3,6,7,8-HxCDF	0.0958	0.117	20	50.00	
1,2,3,7,8,9-HxCDD	0.203	0.190	7	50.00	
1,2,3,7,8,9-HxCDF	0.112	0.100	11	50.00	
1,2,3,7,8-PECDD	0.0842	0.0676	22	50.00	
1,2,3,7,8-PECDF	0.201	0.177	13	50.00	
2,3,4,6,7,8-HxCDF	0.110	0.138	23	50.00	
2,3,4,7,8-PECDF	0.304	0.314	3	50.00	
2,3,7,8-TCDF	0.112	0.176	44	50.00	
OCDD	13.8	14.7	6	50.00	
OCDF	1.09	0.904	19	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP02-SIV-QC-122110	1,2,3,4,6,7,8-HPCDD	JBQ	2.04	5.95	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.494	5.95	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0821	5.95	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0497	5.95	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0820	5.95	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.183	5.95	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.117	5.95	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.190	5.95	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.100	5.95	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0676	5.95	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.177	5.95	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.138	5.95	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.314	5.95	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.176	1.19	PQL	ng/Kg	
	OCDF	JB	0.904	11.9	PQL	ng/Kg	
SED-002-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.08	5.98	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.578	5.98	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0704	5.98	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0793	5.98	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0899	5.98	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.149	5.98	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0958	5.98	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.203	5.98	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.112	5.98	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0842	5.98	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.201	5.98	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.110	5.98	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.304	5.98	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.112	1.20	PQL	ng/Kg	
	OCDF	JBQ	1.09	12.0	PQL	ng/Kg	
SED-015-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	5.17	6.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.12	6.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.314	6.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.281	6.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.334	6.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.511	6.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.373	6.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.524	6.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.331	6.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.419	6.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.452	6.51	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.510	6.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.787	6.51	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.349	1.30	PQL	ng/Kg	
	OCDF	JB	2.04	13.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-036-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.22	6.32	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.321	6.32	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0505	6.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0608	6.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0784	6.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.106	6.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0969	6.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0675	6.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0759	6.32	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.112	6.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.148	6.32	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.131	6.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.299	6.32	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.175	1.26	PQL	ng/Kg	
	OCDD	JB	6.76	12.6	PQL	ng/Kg	
	OCDF	JB	0.491	12.6	PQL	ng/Kg	
SED-038-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.10	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.89	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.670	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.665	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.358	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.51	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.274	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.07	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.598	5.72	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.145	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.217	1.14	PQL	ng/Kg	
SED-039-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.51	6.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.459	6.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0903	6.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.114	6.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.150	6.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.257	6.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.108	6.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.217	6.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0824	6.63	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.223	6.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.175	6.63	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.107	6.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.353	6.63	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.172	1.33	PQL	ng/Kg	
	OCDF	JBQ	0.901	13.3	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX034

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-Dec-2010	SL-101-SA5B-SS-0.0-0.5	6173201	N	METHOD	1613B	III
22-Dec-2010	SL-100-SA5B-SS-0.0-0.5	6173204	N	METHOD	1613B	III
22-Dec-2010	SL-100-SA5B-SS-0.0-0.5MS	6173205	MS	METHOD	1613B	III
22-Dec-2010	SL-100-SA5B-SS-0.0-0.5MSD	6173206	MSD	METHOD	1613B	III
22-Dec-2010	DUP10-SA5B-QC-122210	6173197	FD	METHOD	1613B	III
22-Dec-2010	SL-118-SA5B-SS-0.0-0.5	6173203	N	METHOD	1613B	III
22-Dec-2010	SL-114-SA5B-SS-0.0-0.5	6173207	N	METHOD	1613B	III
22-Dec-2010	SL-117-SA5B-SS-0.0-0.5	6173202	N	METHOD	1613B	III
22-Dec-2010	SL-102-SA5B-SS-0.0-0.5	6173208	N	METHOD	1613B	III
22-Dec-2010	SL-024-SA5B-SS-0.0-0.5	6173209	N	METHOD	1613B	III
22-Dec-2010	SED-010-SIV-SD-0.0-0.5	6173200	N	METHOD	1613B	III
22-Dec-2010	SL-157-SA5B-SB-4.0-5.0	6173210	N	METHOD	1613B	III
22-Dec-2010	SL-157-SA5B-SB-9.0-10.0	6173212	N	METHOD	1613B	III
22-Dec-2010	EB08-SA5B-122210	6173198	EB	METHOD	1613B	III
22-Dec-2010	SL-158-SA5B-SB-4.0-5.0	6173211	N	METHOD	1613B	III
22-Dec-2010	FB06-SA5B-122210	6173199	FB	METHOD	1613B	III
22-Dec-2010	SL-145-SA5B-SB-4.0-5.0	6173213	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB08-SA5B-122210

Collected: 12/22/2010 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	0.915	JB	0.158	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.921	JB	0.0946	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.383	JB	0.139	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.253	JBQ	0.0735	MDL	10.7	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.201	JBQ	0.0711	MDL	10.7	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.167	JBQ	0.0534	MDL	10.7	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.242	JBQ	0.0701	MDL	10.7	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.512	JBQ	0.0479	MDL	10.7	PQL	pg/L	U	B
2,3,7,8-TCDD	0.134	JBQ	0.0904	MDL	2.13	PQL	pg/L	U	B
2,3,7,8-TCDF	0.122	JBQ	0.0724	MDL	2.13	PQL	pg/L	U	B
OCDD	2.88	JBQ	0.291	MDL	21.3	PQL	pg/L	U	B
OCDF	0.642	JBQ	0.257	MDL	21.3	PQL	pg/L	U	B

Sample ID: FB06-SA5B-122210

Collected: 12/22/2010 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	0.685	JB	0.134	MDL	10.0	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.778	JB	0.0623	MDL	10.0	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.127	JBQ	0.0833	MDL	10.0	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.212	JBQ	0.0549	MDL	10.0	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.115	JBQ	0.0514	MDL	10.0	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.114	JB	0.0880	MDL	10.0	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.190	JBQ	0.0622	MDL	10.0	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.172	JBQ	0.117	MDL	10.0	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.0462	JBQ	0.0461	MDL	10.0	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.213	JBQ	0.0527	MDL	10.0	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.407	JBQ	0.0439	MDL	10.0	PQL	pg/L	U	B
OCDD	1.83	JBQ	0.331	MDL	20.1	PQL	pg/L	U	B
OCDF	0.765	JBQ	0.198	MDL	20.1	PQL	pg/L	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP10-SA5B-QC-122210

Collected: 12/22/2010 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-HPCDF	5.71	JB	0.0402	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.693	JB	0.0497	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.660	JB	0.0756	MDL	5.79	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDF	0.456	JB	0.0524	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.62	J	0.0762	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.328	JBQ	0.0348	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.12	J	0.0761	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.211	JBQ	0.0429	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.284	JQ	0.0622	MDL	5.79	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.214	JBQ	0.0151	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.501	JB	0.0359	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.184	JB	0.0181	MDL	5.79	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0317	JQ	0.0284	MDL	1.16	PQL	ng/Kg	J	Z, FD

Sample ID: SED-010-SIV-SD-0.0-0.5

Collected: 12/22/2010 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	1.09	JB	0.0226	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0939	JBQ	0.0291	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.127	JBQ	0.0512	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.287	JBQ	0.0288	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.467	J	0.0525	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.179	JBQ	0.0228	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.368	J	0.0502	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0739	JBQ	0.0254	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.220	JQ	0.0364	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.169	JBQ	0.0155	MDL	6.11	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.220	JB	0.0237	MDL	6.11	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.397	JB	0.0197	MDL	6.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0453	J	0.0269	MDL	1.22	PQL	ng/Kg	J	Z
OCDF	2.13	JB	0.0333	MDL	12.2	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-024-SA5B-SS-0.0-0.5

Collected: 12/22/2010 10:01:00

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	0.949	JB	0.0273	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.228	JB	0.0357	MDL	6.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.156	JB	0.0466	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.202	JB	0.0356	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.372	J	0.0464	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.154	JB	0.0257	MDL	6.27	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.299	J	0.0445	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.227	JB	0.0276	MDL	6.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.104	J	0.0262	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.122	JBQ	0.0123	MDL	6.27	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.228	JB	0.0228	MDL	6.27	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.109	JBQ	0.0135	MDL	6.27	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0363	JBQ	0.0330	MDL	1.25	PQL	ng/Kg	U	B
OCDF	2.68	JB	0.0425	MDL	12.5	PQL	ng/Kg	J	Z

Sample ID: SL-100-SA5B-SS-0.0-0.5

Collected: 12/22/2010 9:02:00

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-HPCDF	4.69	JB	0.0357	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.499	JB	0.0487	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.336	JB	0.0827	MDL	5.81	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDF	0.324	JB	0.0364	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.72	J	0.0849	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.215	JBQ	0.0298	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.723	J	0.0810	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.135	JBQ	0.0358	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.147	JQ	0.0597	MDL	5.81	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.160	JBQ	0.0142	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.335	JB	0.0321	MDL	5.81	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.208	JB	0.0160	MDL	5.81	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0276	U	0.0276	MDL	1.16	PQL	ng/Kg	UJ	FD

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-101-SA5B-SS-0.0-0.5

Collected: 12/22/2010 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	0.567	JB	0.0405	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0516	JB	0.0196	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0292	JBQ	0.0220	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.214	J	0.0291	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0320	JBQ	0.0155	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.323	J	0.0290	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.303	JB	0.0174	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0462	JQ	0.0340	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0545	JBQ	0.00789	MDL	5.89	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0452	JB	0.00872	MDL	5.89	PQL	ng/Kg	U	B
OCDD	3.59	JB	0.0578	MDL	11.8	PQL	ng/Kg	U	B
OCDF	0.246	JBQ	0.0490	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-102-SA5B-SS-0.0-0.5

Collected: 12/22/2010 9:36:00

Analysis Type: RES

Dilution: 1

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	4.65	JB	0.0458	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.487	JB	0.0423	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.274	JBQ	0.0592	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.321	JBQ	0.0461	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.993	J	0.0583	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.270	JBQ	0.0338	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.633	J	0.0525	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.154	JB	0.0304	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.140	J	0.0379	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.124	JBQ	0.0154	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.267	JB	0.0278	MDL	5.65	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.122	JBQ	0.0176	MDL	5.65	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0606	JBQ	0.0428	MDL	1.13	PQL	ng/Kg	U	B

Sample ID: SL-114-SA5B-SS-0.0-0.5

Collected: 12/22/2010 9:22:00

Analysis Type: RES

Dilution: 1

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	0.0362	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.372	JBQ	0.0471	MDL	6.23	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-114-SA5B-SS-0.0-0.5

Collected: 12/22/2010 9:22:00

Analysis Type: 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	0.285	JBQ	0.0636	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.331	JB	0.0352	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.969	J	0.0651	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.295	JB	0.0315	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.758	J	0.0651	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.224	JBQ	0.0300	MDL	6.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.253	J	0.0355	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.183	JB	0.0142	MDL	6.23	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.249	JB	0.0294	MDL	6.23	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.148	JBQ	0.0151	MDL	6.23	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0498	JQ	0.0228	MDL	1.25	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0312	JBQ	0.0307	MDL	1.25	PQL	ng/Kg	U	B
OCDF	10.4	JB	0.0369	MDL	12.5	PQL	ng/Kg	J	Z

Sample ID: SL-117-SA5B-SS-0.0-0.5

Collected: 12/22/2010 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	2.26	JB	0.0602	MDL	6.20	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.346	JB	0.0230	MDL	6.20	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0324	JB	0.0305	MDL	6.20	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0337	JBQ	0.0246	MDL	6.20	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0334	JBQ	0.0195	MDL	6.20	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0782	JQ	0.0264	MDL	6.20	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0318	JBQ	0.0159	MDL	6.20	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0933	JQ	0.0258	MDL	6.20	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0327	JB	0.0175	MDL	6.20	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0485	JQ	0.0284	MDL	6.20	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0459	JB	0.0104	MDL	6.20	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0298	JBQ	0.0136	MDL	6.20	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0663	JBQ	0.0112	MDL	6.20	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0344	JQ	0.0227	MDL	1.24	PQL	ng/Kg	J	Z
OCDF	1.04	JBQ	0.0442	MDL	12.4	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-118-SA5B-SS-0.0-0.5

Collected: 12/22/2010 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-HPCDF	1.29	JB	0.0290	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.157	JBQ	0.0320	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.124	JB	0.0488	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.134	JB	0.0382	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.390	JQ	0.0482	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.127	JBQ	0.0301	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.318	J	0.0467	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.200	JBQ	0.0297	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0471	JQ	0.0309	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.104	JB	0.0178	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0877	JBQ	0.0282	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.287	JBQ	0.0170	MDL	5.90	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0377	JBQ	0.0367	MDL	1.18	PQL	ng/Kg	U	B
OCDF	4.02	JB	0.0435	MDL	11.8	PQL	ng/Kg	J	Z

Sample ID: SL-145-SA5B-SB-4.0-5.0

Collected: 12/22/2010 2:54:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.251	JB	0.0280	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0803	JBQ	0.0168	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0257	JBQ	0.0167	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0352	JBQ	0.0192	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.126	JQ	0.0193	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0161	JB	0.0124	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.182	JQ	0.0191	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.268	JB	0.0119	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0271	J	0.0260	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0333	JBQ	0.00709	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0315	JB	0.0114	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0551	JBQ	0.00847	MDL	5.72	PQL	ng/Kg	U	B
OCDD	1.37	JBQ	0.0307	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.134	JB	0.0244	MDL	11.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX034

EDD Filename: DX034_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-157-SA5B-SB-4.0-5.0

Collected: 12/22/2010 10:48:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.24	JB	0.0349	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.213	JB	0.0184	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0557	JB	0.0231	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0315	JBQ	0.0279	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0722	JBQ	0.0293	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.416	JQ	0.0261	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0787	JBQ	0.0182	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.557	J	0.0233	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.324	JBQ	0.0172	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0595	JQ	0.0232	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.108	JB	0.00823	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0783	JBQ	0.0156	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.113	JB	0.0104	MDL	5.49	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0410	JBQ	0.0234	MDL	1.10	PQL	ng/Kg	U	B
OCDF	0.566	JBQ	0.0403	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-157-SA5B-SB-9.0-10.0

Collected: 12/22/2010 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	0.294	JB	0.0279	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0436	JB	0.0129	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0415	JBQ	0.0172	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0248	JBQ	0.0183	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0361	JB	0.0158	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0946	JQ	0.0184	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0250	JBQ	0.0118	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.199	JQ	0.0179	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.169	JB	0.0129	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0256	JQ	0.0204	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0315	JBQ	0.00702	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0117	JBQ	0.0111	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0464	JBQ	0.00758	MDL	5.57	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0194	JQ	0.0171	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	1.64	JB	0.0320	MDL	11.1	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-157-SA5B-SB-9.0-10.0

Collected: 12/22/2010 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
OCDF	0.141	JB	0.0247	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-158-SA5B-SB-4.0-5.0

Collected: 12/22/2010 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	0.636	JBQ	0.0316	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.119	JBQ	0.0150	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0346	JBQ	0.0178	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0499	JBQ	0.0186	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.380	J	0.0293	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0743	JBQ	0.0145	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.742	J	0.0271	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.441	JB	0.0162	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0711	J	0.0254	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0608	JBQ	0.0103	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0421	JB	0.0139	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0667	JBQ	0.0114	MDL	5.54	PQL	ng/Kg	U	B
OCDD	9.91	JB	0.0299	MDL	11.1	PQL	ng/Kg	J	Z
OCDF	0.258	JB	0.0253	MDL	11.1	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX034

EDD Filename: DX034_v1

Laboratory: LL

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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX034

Method Blank Outlier Report

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371225	1/20/2011 12:25:00 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	2.11 pg/L 1.21 pg/L 0.676 pg/L 0.582 pg/L 0.509 pg/L 0.636 pg/L 0.532 pg/L 0.695 pg/L 0.680 pg/L 0.436 pg/L 0.316 pg/L 0.551 pg/L 0.610 pg/L 0.196 pg/L 0.133 pg/L 7.03 pg/L 3.35 pg/L	EB08-SA5B-122210 FB06-SA5B-122210

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
EB08-SA5B-122210(RES)	1,2,3,4,6,7,8-HPCDD	0.915 pg/L	0.915U pg/L
EB08-SA5B-122210(RES)	1,2,3,4,6,7,8-HPCDF	0.921 pg/L	0.921U pg/L
EB08-SA5B-122210(RES)	1,2,3,4,7,8,9-HPCDF	0.383 pg/L	0.383U pg/L
EB08-SA5B-122210(RES)	1,2,3,4,7,8-HxCDF	0.253 pg/L	0.253U pg/L
EB08-SA5B-122210(RES)	1,2,3,6,7,8-HxCDF	0.201 pg/L	0.201U pg/L
EB08-SA5B-122210(RES)	1,2,3,7,8-PECDF	0.167 pg/L	0.167U pg/L
EB08-SA5B-122210(RES)	2,3,4,6,7,8-HxCDF	0.242 pg/L	0.242U pg/L
EB08-SA5B-122210(RES)	2,3,4,7,8-PECDF	0.512 pg/L	0.512U pg/L
EB08-SA5B-122210(RES)	2,3,7,8-TCDD	0.134 pg/L	0.134U pg/L
EB08-SA5B-122210(RES)	2,3,7,8-TCDF	0.122 pg/L	0.122U pg/L
EB08-SA5B-122210(RES)	OCDD	2.88 pg/L	2.88U pg/L
EB08-SA5B-122210(RES)	OCDF	0.642 pg/L	0.642U pg/L
FB06-SA5B-122210(RES)	1,2,3,4,6,7,8-HPCDD	0.685 pg/L	0.685U pg/L
FB06-SA5B-122210(RES)	1,2,3,4,6,7,8-HPCDF	0.778 pg/L	0.778U pg/L
FB06-SA5B-122210(RES)	1,2,3,4,7,8,9-HPCDF	0.127 pg/L	0.127U pg/L
FB06-SA5B-122210(RES)	1,2,3,4,7,8-HxCDF	0.212 pg/L	0.212U pg/L
FB06-SA5B-122210(RES)	1,2,3,6,7,8-HxCDF	0.115 pg/L	0.115U pg/L
FB06-SA5B-122210(RES)	1,2,3,7,8,9-HxCDD	0.114 pg/L	0.114U pg/L
FB06-SA5B-122210(RES)	1,2,3,7,8,9-HxCDF	0.190 pg/L	0.190U pg/L
FB06-SA5B-122210(RES)	1,2,3,7,8-PECDD	0.172 pg/L	0.172U pg/L
FB06-SA5B-122210(RES)	1,2,3,7,8-PECDF	0.0462 pg/L	0.0462U pg/L
FB06-SA5B-122210(RES)	2,3,4,6,7,8-HxCDF	0.213 pg/L	0.213U pg/L
FB06-SA5B-122210(RES)	2,3,4,7,8-PECDF	0.407 pg/L	0.407U pg/L
FB06-SA5B-122210(RES)	OCDD	1.83 pg/L	1.83U pg/L
FB06-SA5B-122210(RES)	OCDF	0.765 pg/L	0.765U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX034

EDD Filename: DX034_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370516	1/30/2011 5:16:00 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-HxCDF 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-TCDF OCDD OCDF	0.244 ng/Kg 0.0317 ng/Kg 0.0484 ng/Kg 0.0290 ng/Kg 0.0386 ng/Kg 0.0440 ng/Kg 0.0458 ng/Kg 0.0353 ng/Kg 0.0450 ng/Kg 0.0543 ng/Kg 0.0195 ng/Kg 0.827 ng/Kg 0.165 ng/Kg	DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-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
DUP10-SA5B-QC-122210(RES)	1,2,3,7,8,9-HxCDF	0.211 ng/Kg	0.211U ng/Kg
DUP10-SA5B-QC-122210(RES)	2,3,4,7,8-PECDF	0.184 ng/Kg	0.184U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0939 ng/Kg	0.0939U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.127 ng/Kg	0.127U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.179 ng/Kg	0.179U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0739 ng/Kg	0.0739U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.169 ng/Kg	0.169U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.220 ng/Kg	0.220U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.228 ng/Kg	0.228U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.154 ng/Kg	0.154U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.227 ng/Kg	0.227U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.122 ng/Kg	0.122U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.109 ng/Kg	0.109U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0363 ng/Kg	0.0363U ng/Kg
SL-100-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.215 ng/Kg	0.215U ng/Kg
SL-100-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.135 ng/Kg	0.135U ng/Kg
SL-100-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.180 ng/Kg	0.160U ng/Kg
SL-100-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.208 ng/Kg	0.208U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	0.567 ng/Kg	0.567U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0516 ng/Kg	0.0516U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.0292 ng/Kg	0.0292U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.0320 ng/Kg	0.0320U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0545 ng/Kg	0.0545U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0452 ng/Kg	0.0452U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	OCDD	3.59 ng/Kg	3.59U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	OCDF	0.248 ng/Kg	0.246U ng/Kg
SL-102-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.154 ng/Kg	0.154U ng/Kg
SL-102-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.124 ng/Kg	0.124U ng/Kg
SL-102-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.122 ng/Kg	0.122U ng/Kg
SL-102-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0606 ng/Kg	0.0606U ng/Kg
SL-114-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.224 ng/Kg	0.224U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX034

EDD Filename: DX034_v1

Laboratory: LL

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-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.148 ng/Kg	0.148U ng/Kg
SL-114-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0312 ng/Kg	0.0312U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0324 ng/Kg	0.0324U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0337 ng/Kg	0.0337U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0334 ng/Kg	0.0334U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0318 ng/Kg	0.0318U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0327 ng/Kg	0.0327U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0459 ng/Kg	0.0459U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0663 ng/Kg	0.0663U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.157 ng/Kg	0.157U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.124 ng/Kg	0.124U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.134 ng/Kg	0.134U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.127 ng/Kg	0.127U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.200 ng/Kg	0.200U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.104 ng/Kg	0.104U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0877 ng/Kg	0.0877U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0377 ng/Kg	0.0377U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.251 ng/Kg	0.251U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0803 ng/Kg	0.0803U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0257 ng/Kg	0.0257U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0352 ng/Kg	0.0352U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0161 ng/Kg	0.0161U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0333 ng/Kg	0.0333U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0315 ng/Kg	0.0315U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	OCDD	0.0551 ng/Kg	0.0551U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	OCDF	1.37 ng/Kg	1.37U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.134 ng/Kg	0.134U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0557 ng/Kg	0.0557U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0315 ng/Kg	0.0315U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0722 ng/Kg	0.0722U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0787 ng/Kg	0.0787U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.108 ng/Kg	0.108U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0783 ng/Kg	0.0783U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.113 ng/Kg	0.113U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	OCDF	0.0410 ng/Kg	0.0410U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.566 ng/Kg	0.566U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.294 ng/Kg	0.294U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0436 ng/Kg	0.0436U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)		0.0415 ng/Kg	0.0415U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX034

EDD Filename: DX034_v1

Laboratory: LL

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-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0248 ng/Kg	0.0248U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0361 ng/Kg	0.0361U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0250 ng/Kg	0.0250U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.169 ng/Kg	0.169U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0315 ng/Kg	0.0315U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0117 ng/Kg	0.0117U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0464 ng/Kg	0.0464U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	OCDD	1.64 ng/Kg	1.64U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	OCDF	0.141 ng/Kg	0.141U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.636 ng/Kg	0.636U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.119 ng/Kg	0.119U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0346 ng/Kg	0.0346U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0499 ng/Kg	0.0499U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0743 ng/Kg	0.0743U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0608 ng/Kg	0.0608U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0421 ng/Kg	0.0421U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0667 ng/Kg	0.0667U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	OCDF	0.258 ng/Kg	0.258U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
MOISTURE	13.9	13.7	1		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
1,2,3,4,6,7,8-HPCDD	53.1	69.0	26	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	4.69	5.71	20	50.00	
1,2,3,4,7,8,9-HPCDF	0.499	0.693	33	50.00	
1,2,3,4,7,8-HXCDF	0.324	0.456	34	50.00	
1,2,3,6,7,8-HXCDD	1.72	2.62	41	50.00	
1,2,3,6,7,8-HXCDF	0.215	0.328	42	50.00	
1,2,3,7,8,9-HXCDD	0.723	1.12	43	50.00	
1,2,3,7,8,9-HXCDF	0.135	0.211	44	50.00	
1,2,3,7,8-PECDF	0.160	0.214	29	50.00	
2,3,4,6,7,8-HXCDF	0.335	0.501	40	50.00	
2,3,4,7,8-PECDF	0.208	0.184	12	50.00	
OCDD	707	666	6	50.00	
OCDF	11.8	19.0	47	50.00	
1,2,3,4,7,8-HxCDD	0.336	0.660	65	50.00	J(all detects) UJ(all non-detects)
1,2,3,7,8-PECDD	0.147	0.284	64	50.00	
2,3,7,8-TCDD	1.16 U	0.0317	200	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB08-SA5B-122210	1,2,3,4,6,7,8-HPCDD	JB	0.915	10.7	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.921	10.7	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.383	10.7	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.253	10.7	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.201	10.7	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.167	10.7	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.242	10.7	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.512	10.7	PQL	pg/L	
	2,3,7,8-TCDD	JBQ	0.134	2.13	PQL	pg/L	
	2,3,7,8-TCDF	JBQ	0.122	2.13	PQL	pg/L	
	OCDD	JBQ	2.88	21.3	PQL	pg/L	
	OCDF	JBQ	0.642	21.3	PQL	pg/L	
FB06-SA5B-122210	1,2,3,4,6,7,8-HPCDD	JB	0.685	10.0	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.778	10.0	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.127	10.0	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.212	10.0	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.115	10.0	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JB	0.114	10.0	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.190	10.0	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.172	10.0	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.0462	10.0	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.213	10.0	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.407	10.0	PQL	pg/L	
	OCDD	JBQ	1.83	20.1	PQL	pg/L	
	OCDF	JBQ	0.765	20.1	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP10-SA5B-QC-122210	1,2,3,4,6,7,8-HPCDF	JB	5.71	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.693	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.660	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.456	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	2.62	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.328	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.12	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.211	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.284	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.214	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.501	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	0.0317	1.16	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX034

EDD Filename: DX034_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-010-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.09	6.11	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0939	6.11	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.127	6.11	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.287	6.11	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.467	6.11	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.179	6.11	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.368	6.11	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0739	6.11	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.220	6.11	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.169	6.11	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.220	6.11	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.397	6.11	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0453	1.22	PQL	ng/Kg	
	OCDF	JB	2.13	12.2	PQL	ng/Kg	
SL-024-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	0.949	6.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.228	6.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.156	6.27	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.202	6.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.372	6.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.154	6.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.299	6.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.227	6.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.104	6.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.122	6.27	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.228	6.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.109	6.27	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0363	1.25	PQL	ng/Kg	
	OCDF	JB	2.68	12.5	PQL	ng/Kg	
SL-100-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.69	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.499	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.336	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.324	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	1.72	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.215	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.723	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.135	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.147	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.160	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.335	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.208	5.81	PQL	ng/Kg	
SL-101-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	0.567	5.89	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0516	5.89	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0292	5.89	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.214	5.89	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0320	5.89	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.323	5.89	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.303	5.89	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0462	5.89	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0545	5.89	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0452	5.89	PQL	ng/Kg	
	OCDD	JB	3.59	11.8	PQL	ng/Kg	
	OCDF	JBQ	0.246	11.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-102-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.65	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.487	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.274	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.321	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.993	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.270	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.633	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.154	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.140	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.124	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.267	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.122	5.65	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0606	1.13	PQL	ng/Kg	
SL-114-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.19	6.23	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.372	6.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.285	6.23	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.331	6.23	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.969	6.23	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.295	6.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.758	6.23	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.224	6.23	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.253	6.23	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.183	6.23	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.249	6.23	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.148	6.23	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0498	1.25	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0312	1.25	PQL	ng/Kg	
	OCDF	JB	10.4	12.5	PQL	ng/Kg	
SL-117-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.26	6.20	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.346	6.20	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0324	6.20	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0337	6.20	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0334	6.20	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0782	6.20	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0318	6.20	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0933	6.20	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0327	6.20	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0485	6.20	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0459	6.20	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0298	6.20	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0663	6.20	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0344	1.24	PQL	ng/Kg	
	OCDF	JBQ	1.04	12.4	PQL	ng/Kg	
SL-118-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.29	5.90	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.157	5.90	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.124	5.90	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.134	5.90	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.390	5.90	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.127	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.318	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.200	5.90	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0471	5.90	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.104	5.90	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0877	5.90	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.287	5.90	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0377	1.18	PQL	ng/Kg	
	OCDF	JB	4.02	11.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-145-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.251	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0803	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0257	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0352	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.126	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0161	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.182	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.268	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0271	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0333	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0315	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0551	5.72	PQL	ng/Kg	
	OCDD	JBQ	1.37	11.4	PQL	ng/Kg	
	OCDF	JB	0.134	11.4	PQL	ng/Kg	
SL-157-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.24	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.213	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0557	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0315	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0722	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.416	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0787	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.557	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.324	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0595	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.108	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0783	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.113	5.49	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0410	1.10	PQL	ng/Kg	
	OCDF	JBQ	0.566	11.0	PQL	ng/Kg	
SL-157-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.294	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0436	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0415	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0248	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0361	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0946	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0250	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.199	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.169	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0256	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0315	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0117	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0464	5.57	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0194	1.11	PQL	ng/Kg	
	OCDD	JB	1.64	11.1	PQL	ng/Kg	
	OCDF	JB	0.141	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-158-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.636	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.119	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0346	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0499	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.380	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0743	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.742	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.441	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0711	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0608	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0421	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0667	5.54	PQL	ng/Kg	
	OCDD	JB	9.91	11.1	PQL	ng/Kg	
	OCDF	JB	0.258	11.1	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX035

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-Jan-2011	SL-140-SA5B-SS-0.0-0.5	6177810	N	METHOD	1613B	III
04-Jan-2011	SL-039-SA5C-SS-0.0-0.5	6177811	N	METHOD	1613B	III
04-Jan-2011	SL-036-SA5C-SS-0.0-0.5	6177812	N	METHOD	1613B	III
04-Jan-2011	SL-097-SA5C-SS-0.0-0.5	6177813	N	METHOD	1613B	III
04-Jan-2011	SL-146-SA5B-SB-4.0-5.0	6177809	N	METHOD	1613B	III
04-Jan-2011	SL-056-SA5C-SB-4.0-5.0	6182180	N	METHOD	1613B	III
04-Jan-2011	SL-259-SA5B-SB-4.0-5.0	6177814	N	METHOD	1613B	III
04-Jan-2011	SL-056-SA5C-SB-9.0-10.0	6182181	N	METHOD	1613B	III
05-Jan-2011	SL-038-SA5C-SB-4.0-5.0	6178579	N	METHOD	1613B	III
05-Jan-2011	SL-065-SA5B-SB-4.0-5.0	6178580	N	METHOD	1613B	III
05-Jan-2011	SL-065-SA5B-SB-9.0-10.0	6178581	N	METHOD	1613B	III
05-Jan-2011	SL-070-SA5B-SB-2.5-3.5	6178585	N	METHOD	1613B	III
05-Jan-2011	SL-137-SA5C-SB-4.5-5.5	6178587	N	METHOD	1613B	III
05-Jan-2011	EB17-SA5C-010511	6178577	EB	METHOD	1613B	III
05-Jan-2011	SL-068-SA5B-SB-3.0-4.0	6178583	N	METHOD	1613B	III
05-Jan-2011	SL-067-SA5B-SB-3.5-4.5	6178582	N	METHOD	1613B	III
05-Jan-2011	SL-124-SA5C-SB-4.5-5.5	6178586	N	METHOD	1613B	III
05-Jan-2011	SL-027-SA5B-SS-0.0-0.5	6178578	N	METHOD	1613B	III
05-Jan-2011	SL-069-SA5B-SB-3.0-4.0	6178584	N	METHOD	1613B	III
05-Jan-2011	SL-298-SA5B-SS-0.0-0.5	6178588	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB17-SA5C-010511

Collected: 1/5/2011 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	1.99	JB	0.283	MDL	9.98	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	2.41	JBQ	0.162	MDL	9.98	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.303	JB	0.121	MDL	9.98	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.148	JBQ	0.146	MDL	9.98	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.471	JBQ	0.114	MDL	9.98	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.186	JBQ	0.138	MDL	9.98	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.144	JBQ	0.121	MDL	9.98	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.147	JBQ	0.0925	MDL	9.98	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.592	JB	0.110	MDL	9.98	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.517	JBQ	0.0850	MDL	9.98	PQL	pg/L	U	B
OCDD	3.51	JBQ	0.267	MDL	20.0	PQL	pg/L	U	B
OCDF	0.799	JBQ	0.256	MDL	20.0	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-027-SA5B-SS-0.0-0.5

Collected: 1/5/2011 3:39:00 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	2.06	JB	0.0442	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.251	JB	0.0196	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0591	JBQ	0.0241	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0782	JBQ	0.0197	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.245	J	0.0368	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0573	JBQ	0.0184	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.271	J	0.0341	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.141	JB	0.0209	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0447	JBQ	0.0325	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0848	JBQ	0.0185	MDL	5.83	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0815	JBQ	0.0190	MDL	5.83	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0963	JBQ	0.0184	MDL	5.83	PQL	ng/Kg	U	B
OCDF	0.525	JB	0.0417	MDL	11.7	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-036-SA5C-SS-0.0-0.5

Collected: 1/4/2011 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-HPCDF	2.28	JB	0.0439	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.149	JBQ	0.0519	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.187	JQ	0.0637	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.198	JBQ	0.0387	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.733	JQ	0.0645	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.197	JBQ	0.0369	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.394	J	0.0631	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.265	JB	0.0401	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0991	JBQ	0.0513	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.467	JB	0.0292	MDL	5.95	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.158	JB	0.0368	MDL	5.95	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0447	JBQ	0.0433	MDL	1.19	PQL	ng/Kg	U	B
OCDF	1.94	JB	0.0736	MDL	11.9	PQL	ng/Kg	J	Z

Sample ID: SL-038-SA5C-SB-4.0-5.0

Collected: 1/5/2011 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-HPCDD	0.314	JBQ	0.0317	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.114	JBQ	0.0119	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0343	JQ	0.0208	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0512	JBQ	0.0164	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0618	JQ	0.0217	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0481	JB	0.0133	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.102	JQ	0.0204	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0996	JBQ	0.0154	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0679	JBQ	0.0300	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0791	JBQ	0.0143	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0455	JBQ	0.0131	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0830	JBQ	0.0142	MDL	5.56	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0284	JBQ	0.0268	MDL	1.11	PQL	ng/Kg	U	B
OCDD	2.03	JB	0.0328	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.155	JBQ	0.0337	MDL	11.1	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-039-SA5C-SS-0.0-0.5

Collected: 1/4/2011 9:48:00 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	2.64	JB	0.0470	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.183	JB	0.0505	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0795	JQ	0.0572	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.178	JBQ	0.0373	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.770	JQ	0.0598	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.127	JB	0.0370	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.355	J	0.0570	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.175	JB	0.0412	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.112	JBQ	0.0414	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.346	JBQ	0.0265	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.178	JBQ	0.0381	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.191	JBQ	0.0249	MDL	5.72	PQL	ng/Kg	U	B
OCDF	2.72	JB	0.0708	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-056-SA5C-SB-4.0-5.0

Collected: 1/4/2011 2:16:00 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	2.35	JB	0.0492	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.317	JB	0.0244	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0609	JB	0.0313	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0570	JQ	0.0388	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0768	JBQ	0.0237	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.149	JQ	0.0401	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0602	JBQ	0.0219	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.169	JQ	0.0386	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.124	JBQ	0.0258	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0565	JBQ	0.0396	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0804	JBQ	0.0188	MDL	5.86	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.107	JBQ	0.0225	MDL	5.86	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.106	JBQ	0.0186	MDL	5.86	PQL	ng/Kg	U	B
OCDD	11.2	JB	0.0557	MDL	11.7	PQL	ng/Kg	J	Z
OCDF	0.380	JB	0.0599	MDL	11.7	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-056-SA5C-SB-9.0-10.0

Collected: 1/4/2011 4:05:00 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	0.905	JB	0.0233	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.102	JBQ	0.0300	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.120	J	0.0426	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.223	JB	0.0346	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.18	J	0.0422	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.176	JBQ	0.0295	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.07	J	0.0415	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.894	JB	0.0389	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.160	JBQ	0.0435	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.204	JBQ	0.0246	MDL	5.68	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.231	JB	0.0322	MDL	5.68	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.270	JB	0.0251	MDL	5.68	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0948	JB	0.0415	MDL	1.14	PQL	ng/Kg	U	B
OCDF	1.25	JB	0.0427	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-065-SA5B-SB-4.0-5.0

Collected: 1/5/2011 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	0.883	JB	0.0164	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.140	JB	0.0264	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.101	JQ	0.0346	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.113	JB	0.0250	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.270	J	0.0369	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0969	JBQ	0.0207	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.120	J	0.0338	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0999	JB	0.0269	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.134	JB	0.0331	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.137	JBQ	0.0159	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.105	JB	0.0231	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.163	JBQ	0.0166	MDL	5.54	PQL	ng/Kg	U	B
OCDF	2.30	JB	0.0487	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-065-SA5B-SB-9.0-10.0

Collected: 1/5/2011 10:14:00

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	1.25	JB	0.0232	MDL	5.50	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/7/2011 10:11:37 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-065-SA5B-SB-9.0-10.0

Collected: 1/5/2011 10:14:00

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	0.162	JBQ	0.0329	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0877	JQ	0.0496	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.121	JB	0.0319	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.416	JQ	0.0514	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0815	JBQ	0.0265	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.215	J	0.0473	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.107	JBQ	0.0330	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.125	JB	0.0252	MDL	5.50	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0987	JBQ	0.0277	MDL	5.50	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.121	JBQ	0.0255	MDL	5.50	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0635	JBQ	0.0609	MDL	1.10	PQL	ng/Kg	U	B
OCDF	3.77	JB	0.0481	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-067-SA5B-SB-3.5-4.5

Collected: 1/5/2011 2:26:00 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	0.234	JB	0.0268	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.152	JB	0.00967	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0364	JBQ	0.0158	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0357	JB	0.0135	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0315	JQ	0.0201	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0383	JBQ	0.0110	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0642	JQ	0.0190	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0386	JBQ	0.0155	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0284	JBQ	0.0222	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0436	JBQ	0.0126	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0442	JB	0.0134	MDL	5.49	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0417	JQ	0.0316	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	0.878	JB	0.0266	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.179	JB	0.0331	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-068-SA5B-SB-3.0-4.0

Collected: 1/5/2011 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	0.288	JB	0.0284	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.171	JBQ	0.0108	MDL	5.68	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/7/2011 10:11:37 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-068-SA5B-SB-3.0-4.0

Collected: 1/5/2011 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
1,2,3,4,7,8,9-HPCDF	0.0379	JB	0.0160	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0448	JB	0.0124	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0626	JQ	0.0250	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0604	JBQ	0.0102	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0760	J	0.0239	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0342	JBQ	0.0133	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0518	JBQ	0.0236	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0170	JBQ	0.0118	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0429	JBQ	0.0115	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0539	JBQ	0.0123	MDL	5.68	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0275	JBQ	0.0249	MDL	1.14	PQL	ng/Kg	U	B
OCDD	0.716	JB	0.0243	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.194	JBQ	0.0307	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-069-SA5B-SB-3.0-4.0

Collected: 1/5/2011 3:40:00 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	0.256	JB	0.0246	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.279	JB	0.0110	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0417	JB	0.0156	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0386	JB	0.0143	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0459	J	0.0219	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0516	JBQ	0.0125	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0747	JQ	0.0218	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0382	JBQ	0.0147	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0775	JBQ	0.0130	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0672	JB	0.0127	MDL	5.38	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0398	JBQ	0.0227	MDL	1.08	PQL	ng/Kg	U	B
OCDD	0.764	JB	0.0218	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.220	JB	0.0301	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-070-SA5B-SB-2.5-3.5

Collected: 1/5/2011 11:24:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.895	JB	0.0367	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.205	JB	0.0141	MDL	5.36	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/7/2011 10:11:37 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-070-SA5B-SB-2.5-3.5

Collected: 1/5/2011 11:24:00

Analysis Type: 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	0.0219	JBQ	0.0191	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0323	JQ	0.0237	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0502	JBQ	0.0159	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0570	JQ	0.0242	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0305	JBQ	0.0141	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0359	JQ	0.0232	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0316	JBQ	0.0173	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0404	JBQ	0.0292	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0275	JBQ	0.0176	MDL	5.36	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0485	JBQ	0.0152	MDL	5.36	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0495	JBQ	0.0173	MDL	5.36	PQL	ng/Kg	U	B
OCDD	6.38	JB	0.0301	MDL	10.7	PQL	ng/Kg	J	Z
OCDF	0.318	JB	0.0371	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-097-SA5C-SS-0.0-0.5

Collected: 1/4/2011 11:12:00

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-HPCDF	1.08	JB	0.0338	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.145	JBQ	0.0362	MDL	5.94	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0884	JQ	0.0455	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.222	JB	0.0323	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.392	JQ	0.0469	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.165	JB	0.0285	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.276	J	0.0438	MDL	5.94	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.182	JBQ	0.0278	MDL	5.94	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.246	JBQ	0.0217	MDL	5.94	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0909	JB	0.0259	MDL	5.94	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.150	JBQ	0.0204	MDL	5.94	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0491	JBQ	0.0291	MDL	1.19	PQL	ng/Kg	U	B
OCDF	2.26	JB	0.0593	MDL	11.9	PQL	ng/Kg	J	Z

Sample ID: SL-124-SA5C-SB-4.5-5.5

Collected: 1/5/2011 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	1.43	JBQ	0.0303	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.309	JB	0.0133	MDL	5.63	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-124-SA5C-SB-4.5-5.5

Collected: 1/5/2011 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
1,2,3,4,7,8,9-HPCDF	0.0373	JB	0.0188	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0741	JBQ	0.0184	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.129	J	0.0271	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0436	JBQ	0.0153	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.118	JQ	0.0247	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0780	JBQ	0.0190	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.508	JBQ	0.0206	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0751	JBQ	0.0166	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0880	JBQ	0.0215	MDL	5.63	PQL	ng/Kg	U	B
OCDF	0.451	JB	0.0357	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-137-SA5C-SB-4.5-5.5

Collected: 1/5/2011 11:44:00

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	2.69	JB	0.0350	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.539	JB	0.0156	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0722	JB	0.0222	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0546	JQ	0.0281	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.155	JBQ	0.0254	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.259	JQ	0.0282	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.106	JB	0.0214	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.232	J	0.0284	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.207	JBQ	0.0273	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0609	JBQ	0.0293	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.721	JB	0.0242	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.101	JB	0.0237	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.123	JBQ	0.0242	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0454	JQ	0.0314	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0688	JB	0.0583	MDL	1.13	PQL	ng/Kg	U	B
OCDF	0.908	JB	0.0348	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-140-SA5B-SS-0.0-0.5

Collected: 1/4/2011 9:18:00 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	4.92	JB	0.0374	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.476	JBQ	0.0419	MDL	5.79	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-140-SA5B-SS-0.0-0.5

Collected: 1/4/2011 9:18:00 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	0.513	JQ	0.0678	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.337	JB	0.0426	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.74	J	0.0692	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.297	JB	0.0382	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.809	J	0.0686	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.177	JB	0.0402	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.236	JBQ	0.0589	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.329	JB	0.0330	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.382	JB	0.0392	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.349	JB	0.0312	MDL	5.79	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0717	JQ	0.0445	MDL	1.16	PQL	ng/Kg	J	Z

Sample ID: SL-146-SA5B-SB-4.0-5.0

Collected: 1/4/2011 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	0.334	JBQ	0.0357	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.140	JB	0.0135	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0490	JBQ	0.0196	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0345	JQ	0.0292	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0580	JBQ	0.0194	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.142	JQ	0.0286	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0496	JBQ	0.0170	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.281	J	0.0278	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.162	JBQ	0.0193	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0663	JBQ	0.0320	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0642	JBQ	0.0192	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0468	JBQ	0.0176	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0890	JBQ	0.0176	MDL	5.77	PQL	ng/Kg	U	B
OCDD	2.72	JB	0.0286	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.243	JBQ	0.0394	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-259-SA5B-SB-4.0-5.0

Collected: 1/4/2011 3:02:00 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	0.235	JB	0.0384	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.106	JBQ	0.0161	MDL	5.51	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-259-SA5B-SB-4.0-5.0

Collected: 1/4/2011 3:02:00 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	0.0485	JB	0.0261	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0335	JBQ	0.0170	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0358	JBQ	0.0146	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0533	JQ	0.0238	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0265	JBQ	0.0151	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0404	JB	0.0163	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0629	JBQ	0.0160	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0306	JBQ	0.0268	MDL	1.10	PQL	ng/Kg	U	B
OCDD	0.657	JB	0.0444	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.174	JB	0.0480	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-298-SA5B-SS-0.0-0.5

Collected: 1/5/2011 3:59:00 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	4.47	JB	0.105	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.767	JBQ	0.0468	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0861	JBQ	0.0522	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0923	JB	0.0378	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.333	JQ	0.0576	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.141	JB	0.0364	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.300	JQ	0.0534	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.179	JBQ	0.0385	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.114	JBQ	0.0560	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.163	JBQ	0.0306	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.120	JB	0.0347	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.183	JBQ	0.0298	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0729	JBQ	0.0502	MDL	1.09	PQL	ng/Kg	U	B
OCDF	1.23	JB	0.0708	MDL	10.9	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_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	Matrix Spike Precision
F	Equipment Blank Contamination
F	Field Blank Contamination

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation

Data Qualifier Summary

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

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

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX035

Method Blank Outlier Report

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371810	2/1/2011 6:10:00 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-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	3.45 pg/L 6.10 pg/L 1.02 pg/L 0.280 pg/L 0.861 pg/L 0.361 pg/L 0.712 pg/L 0.721 pg/L 0.990 pg/L 0.587 pg/L 0.543 pg/L 1.45 pg/L 0.960 pg/L 5.60 pg/L 3.47 pg/L	EB17-SA5C-010511

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-SA5C-010511(RES)	1,2,3,4,6,7,8-HPCDD	1.99 pg/L	1.99U pg/L
EB17-SA5C-010511(RES)	1,2,3,4,6,7,8-HPCDF	2.41 pg/L	2.41U pg/L
EB17-SA5C-010511(RES)	1,2,3,4,7,8-HxCDF	0.303 pg/L	0.303U pg/L
EB17-SA5C-010511(RES)	1,2,3,6,7,8-HxCDD	0.148 pg/L	0.148U pg/L
EB17-SA5C-010511(RES)	1,2,3,6,7,8-HxCDF	0.471 pg/L	0.471U pg/L
EB17-SA5C-010511(RES)	1,2,3,7,8,9-HxCDD	0.186 pg/L	0.186U pg/L
EB17-SA5C-010511(RES)	1,2,3,7,8,9-HxCDF	0.144 pg/L	0.144U pg/L
EB17-SA5C-010511(RES)	1,2,3,7,8-PECDF	0.147 pg/L	0.147U pg/L
EB17-SA5C-010511(RES)	2,3,4,6,7,8-HxCDF	0.592 pg/L	0.592U pg/L
EB17-SA5C-010511(RES)	2,3,4,7,8-PECDF	0.517 pg/L	0.517U pg/L
EB17-SA5C-010511(RES)	OCDD	3.51 pg/L	3.51U pg/L
EB17-SA5C-010511(RES)	OCDF	0.799 pg/L	0.799U pg/L

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371846	1/29/2011 6:46:00 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-HxCDF 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	0.183 ng/Kg 0.120 ng/Kg 0.0341 ng/Kg 0.0256 ng/Kg 0.0217 ng/Kg 0.0440 ng/Kg 0.0513 ng/Kg 0.0256 ng/Kg 0.0379 ng/Kg 0.0826 ng/Kg 0.0348 ng/Kg 0.571 ng/Kg 0.203 ng/Kg	SL-027-SA5B-SS-0.0-0.5 SL-036-SA5C-SS-0.0-0.5 SL-038-SA5C-SB-4.0-5.0 SL-039-SA5C-SS-0.0-0.5 SL-056-SA5C-SB-4.0-5.0 SL-056-SA5C-SB-9.0-10.0 SL-065-SA5B-SB-4.0-5.0 SL-065-SA5B-SB-9.0-10.0 SL-067-SA5B-SB-3.5-4.5 SL-068-SA5B-SB-3.0-4.0 SL-069-SA5B-SB-3.0-4.0 SL-070-SA5B-SB-2.5-3.5 SL-097-SA5C-SS-0.0-0.5 SL-124-SA5C-SB-4.5-5.5 SL-137-SA5C-SB-4.5-5.5 SL-140-SA5B-SS-0.0-0.5 SL-146-SA5B-SB-4.0-5.0 SL-259-SA5B-SB-4.0-5.0 SL-298-SA5B-SS-0.0-0.5

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_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-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.251 ng/Kg	0.251U ng/Kg
SL-027-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0591 ng/Kg	0.0591U ng/Kg
SL-027-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0782 ng/Kg	0.0782U ng/Kg
SL-027-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0573 ng/Kg	0.0573U ng/Kg
SL-027-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.141 ng/Kg	0.141U ng/Kg
SL-027-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0447 ng/Kg	0.0447U ng/Kg
SL-027-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0848 ng/Kg	0.0848U ng/Kg
SL-027-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0815 ng/Kg	0.0815U ng/Kg
SL-027-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0963 ng/Kg	0.0963U ng/Kg
SL-027-SA5B-SS-0.0-0.5(RES)	OCDF	0.525 ng/Kg	0.525U ng/Kg
SL-036-SA5C-SS-0.0-0.5(RES)	1,2,3,4,7,8-HPCDF	0.149 ng/Kg	0.149U ng/Kg
SL-036-SA5C-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0991 ng/Kg	0.0991U ng/Kg
SL-036-SA5C-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.158 ng/Kg	0.158U ng/Kg
SL-036-SA5C-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0447 ng/Kg	0.0447U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.314 ng/Kg	0.314U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.114 ng/Kg	0.114U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0512 ng/Kg	0.0512U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0481 ng/Kg	0.0481U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0996 ng/Kg	0.0996U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0679 ng/Kg	0.0679U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0791 ng/Kg	0.0791U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0455 ng/Kg	0.0455U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0830 ng/Kg	0.0830U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0284 ng/Kg	0.0284U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	OCDD	2.03 ng/Kg	2.03U ng/Kg
SL-038-SA5C-SB-4.0-5.0(RES)	OCDF	0.155 ng/Kg	0.155U ng/Kg
SL-039-SA5C-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.175 ng/Kg	0.175U ng/Kg
SL-039-SA5C-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.112 ng/Kg	0.112U ng/Kg
SL-039-SA5C-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.178 ng/Kg	0.178U ng/Kg
SL-039-SA5C-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.191 ng/Kg	0.191U ng/Kg
SL-056-SA5C-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.317 ng/Kg	0.317U ng/Kg
SL-056-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0609 ng/Kg	0.0609U ng/Kg
SL-056-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0768 ng/Kg	0.0768U ng/Kg
SL-056-SA5C-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0602 ng/Kg	0.0602U ng/Kg
SL-056-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.124 ng/Kg	0.124U ng/Kg
SL-056-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0565 ng/Kg	0.0565U ng/Kg
SL-056-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0804 ng/Kg	0.0804U ng/Kg
SL-056-SA5C-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.107 ng/Kg	0.107U ng/Kg
SL-056-SA5C-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.106 ng/Kg	0.106U ng/Kg
SL-056-SA5C-SB-4.0-5.0(RES)	OCDF	0.380 ng/Kg	0.380U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_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-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.102 ng/Kg	0.102U ng/Kg
SL-056-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.160 ng/Kg	0.160U ng/Kg
SL-056-SA5C-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.270 ng/Kg	0.270U ng/Kg
SL-056-SA5C-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0948 ng/Kg	0.0948U ng/Kg
SL-065-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.140 ng/Kg	0.140U ng/Kg
SL-065-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.113 ng/Kg	0.113U ng/Kg
SL-065-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0969 ng/Kg	0.0969U ng/Kg
SL-065-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0999 ng/Kg	0.0999U ng/Kg
SL-065-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.134 ng/Kg	0.134U ng/Kg
SL-065-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.105 ng/Kg	0.105U ng/Kg
SL-065-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.163 ng/Kg	0.163U ng/Kg
SL-065-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.162 ng/Kg	0.162U ng/Kg
SL-065-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-065-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0815 ng/Kg	0.0815U ng/Kg
SL-065-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.107 ng/Kg	0.107U ng/Kg
SL-065-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.125 ng/Kg	0.125U ng/Kg
SL-065-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0987 ng/Kg	0.0987U ng/Kg
SL-065-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.121 ng/Kg	0.121U ng/Kg
SL-065-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0635 ng/Kg	0.0635U ng/Kg
SL-067-SA5B-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDD	0.234 ng/Kg	0.234U ng/Kg
SL-067-SA5B-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDF	0.152 ng/Kg	0.152U ng/Kg
SL-067-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0364 ng/Kg	0.0364U ng/Kg
SL-067-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8-HXCDF	0.0357 ng/Kg	0.0357U ng/Kg
SL-067-SA5B-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.0383 ng/Kg	0.0383U ng/Kg
SL-067-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDF	0.0386 ng/Kg	0.0386U ng/Kg
SL-067-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDD	0.0284 ng/Kg	0.0284U ng/Kg
SL-067-SA5B-SB-3.5-4.5(RES)	2,3,4,6,7,8-HXCDF	0.0436 ng/Kg	0.0436U ng/Kg
SL-067-SA5B-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.0442 ng/Kg	0.0442U ng/Kg
SL-067-SA5B-SB-3.5-4.5(RES)	OCDD	0.878 ng/Kg	0.878U ng/Kg
SL-067-SA5B-SB-3.5-4.5(RES)	OCDF	0.179 ng/Kg	0.179U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.288 ng/Kg	0.288U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.171 ng/Kg	0.171U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0379 ng/Kg	0.0379U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0448 ng/Kg	0.0448U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0604 ng/Kg	0.0604U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0342 ng/Kg	0.0342U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDD	0.0518 ng/Kg	0.0518U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0170 ng/Kg	0.0170U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0429 ng/Kg	0.0429U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0539 ng/Kg	0.0539U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_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-068-SA5B-SB-3.0-4.0(RES)	2,3,7,8-TCDF	0.0275 ng/Kg	0.0275U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	OCDD	0.716 ng/Kg	0.716U ng/Kg
SL-068-SA5B-SB-3.0-4.0(RES)	OCDF	0.194 ng/Kg	0.194U ng/Kg
SL-069-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.256 ng/Kg	0.256U ng/Kg
SL-069-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.279 ng/Kg	0.279U ng/Kg
SL-069-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0417 ng/Kg	0.0417U ng/Kg
SL-069-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0386 ng/Kg	0.0386U ng/Kg
SL-069-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0516 ng/Kg	0.0516U ng/Kg
SL-069-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0382 ng/Kg	0.0382U ng/Kg
SL-069-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0775 ng/Kg	0.0775U ng/Kg
SL-069-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0672 ng/Kg	0.0672U ng/Kg
SL-069-SA5B-SB-3.0-4.0(RES)	2,3,7,8-TCDF	0.0398 ng/Kg	0.0398U ng/Kg
SL-069-SA5B-SB-3.0-4.0(RES)	OCDD	0.764 ng/Kg	0.764U ng/Kg
SL-069-SA5B-SB-3.0-4.0(RES)	OCDF	0.220 ng/Kg	0.220U ng/Kg
SL-070-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.895 ng/Kg	0.895U ng/Kg
SL-070-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.205 ng/Kg	0.205U ng/Kg
SL-070-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0219 ng/Kg	0.0219U ng/Kg
SL-070-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0502 ng/Kg	0.0502U ng/Kg
SL-070-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0305 ng/Kg	0.0305U ng/Kg
SL-070-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.0316 ng/Kg	0.0316U ng/Kg
SL-070-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.0404 ng/Kg	0.0404U ng/Kg
SL-070-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.0275 ng/Kg	0.0275U ng/Kg
SL-070-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.0485 ng/Kg	0.0485U ng/Kg
SL-070-SA5B-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.0495 ng/Kg	0.0495U ng/Kg
SL-070-SA5B-SB-2.5-3.5(RES)	OCDF	0.318 ng/Kg	0.318U ng/Kg
SL-097-SA5C-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.145 ng/Kg	0.145U ng/Kg
SL-097-SA5C-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.182 ng/Kg	0.182U ng/Kg
SL-097-SA5C-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0909 ng/Kg	0.0909U ng/Kg
SL-097-SA5C-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.150 ng/Kg	0.150U ng/Kg
SL-097-SA5C-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0491 ng/Kg	0.0491U ng/Kg
SL-124-SA5C-SB-4.5-5.5(RES)	1,2,3,4,6,7,8-HPCDF	0.309 ng/Kg	0.309U ng/Kg
SL-124-SA5C-SB-4.5-5.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0373 ng/Kg	0.0373U ng/Kg
SL-124-SA5C-SB-4.5-5.5(RES)	1,2,3,4,7,8-HXCDF	0.0741 ng/Kg	0.0741U ng/Kg
SL-124-SA5C-SB-4.5-5.5(RES)	1,2,3,6,7,8-HXCDF	0.0436 ng/Kg	0.0436U ng/Kg
SL-124-SA5C-SB-4.5-5.5(RES)	1,2,3,7,8,9-HXCDF	0.0780 ng/Kg	0.0780U ng/Kg
SL-124-SA5C-SB-4.5-5.5(RES)	2,3,4,6,7,8-HXCDF	0.0751 ng/Kg	0.0751U ng/Kg
SL-124-SA5C-SB-4.5-5.5(RES)	2,3,4,7,8-PECDF	0.0880 ng/Kg	0.0880U ng/Kg
SL-124-SA5C-SB-4.5-5.5(RES)	OCDF	0.451 ng/Kg	0.451U ng/Kg
SL-137-SA5C-SB-4.5-5.5(RES)	1,2,3,4,6,7,8-HPCDF	0.539 ng/Kg	0.539U ng/Kg
SL-137-SA5C-SB-4.5-5.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0722 ng/Kg	0.0722U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_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-137-SA5C-SB-4.5-5.5(RES)	1,2,3,6,7,8-HXCDF	0.106 ng/Kg	0.106U ng/Kg
SL-137-SA5C-SB-4.5-5.5(RES)	1,2,3,7,8,9-HXCDF	0.207 ng/Kg	0.207U ng/Kg
SL-137-SA5C-SB-4.5-5.5(RES)	1,2,3,7,8-PECDD	0.0609 ng/Kg	0.0609U ng/Kg
SL-137-SA5C-SB-4.5-5.5(RES)	2,3,4,6,7,8-HXCDF	0.101 ng/Kg	0.101U ng/Kg
SL-137-SA5C-SB-4.5-5.5(RES)	2,3,4,7,8-PECDF	0.123 ng/Kg	0.123U ng/Kg
SL-137-SA5C-SB-4.5-5.5(RES)	2,3,7,8-TCDF	0.0688 ng/Kg	0.0688U ng/Kg
SL-137-SA5C-SB-4.5-5.5(RES)	OCDF	0.908 ng/Kg	0.908U ng/Kg
SL-140-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.177 ng/Kg	0.177U ng/Kg
SL-140-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.236 ng/Kg	0.236U ng/Kg
SL-140-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.349 ng/Kg	0.349U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.334 ng/Kg	0.334U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.140 ng/Kg	0.140U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HPCDF	0.0490 ng/Kg	0.0490U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0580 ng/Kg	0.0580U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0496 ng/Kg	0.0496U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.182 ng/Kg	0.182U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0663 ng/Kg	0.0663U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0642 ng/Kg	0.0642U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0468 ng/Kg	0.0468U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0890 ng/Kg	0.0890U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	OCDD	2.72 ng/Kg	2.72U ng/Kg
SL-146-SA5B-SB-4.0-5.0(RES)	OCDF	0.243 ng/Kg	0.243U ng/Kg
SL-259-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.235 ng/Kg	0.235U ng/Kg
SL-259-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.106 ng/Kg	0.106U ng/Kg
SL-259-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0485 ng/Kg	0.0485U ng/Kg
SL-259-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0335 ng/Kg	0.0335U ng/Kg
SL-259-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0358 ng/Kg	0.0358U ng/Kg
SL-259-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0265 ng/Kg	0.0265U ng/Kg
SL-259-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0404 ng/Kg	0.0404U ng/Kg
SL-259-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0629 ng/Kg	0.0629U ng/Kg
SL-259-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0306 ng/Kg	0.0306U ng/Kg
SL-259-SA5B-SB-4.0-5.0(RES)	OCDD	0.657 ng/Kg	0.657U ng/Kg
SL-259-SA5B-SB-4.0-5.0(RES)	OCDF	0.174 ng/Kg	0.174U ng/Kg
SL-298-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0861 ng/Kg	0.0861U ng/Kg
SL-298-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0923 ng/Kg	0.0923U ng/Kg
SL-298-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.179 ng/Kg	0.179U ng/Kg
SL-298-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.114 ng/Kg	0.114U ng/Kg
SL-298-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-298-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.183 ng/Kg	0.183U ng/Kg
SL-298-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0729 ng/Kg	0.0729U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB17-SA5C-010511	1,2,3,4,6,7,8-HPCDD	JB	1.99	9.98	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	2.41	9.98	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	0.303	9.98	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.148	9.98	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.471	9.98	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.186	9.98	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.144	9.98	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.147	9.98	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	0.592	9.98	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.517	9.98	PQL	pg/L	
	OCDD	JBQ	3.51	20.0	PQL	pg/L	
	OCDF	JBQ	0.799	20.0	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-027-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.06	5.83	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.251	5.83	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0591	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0782	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.245	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0573	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.271	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.141	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0447	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0848	5.83	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0815	5.83	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0963	5.83	PQL	ng/Kg	
	OCDF	JB	0.525	11.7	PQL	ng/Kg	
SL-036-SA5C-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.28	5.95	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.149	5.95	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.187	5.95	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.198	5.95	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.733	5.95	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.197	5.95	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.394	5.95	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.265	5.95	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0991	5.95	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.467	5.95	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.158	5.95	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0447	1.19	PQL	ng/Kg	
	OCDF	JB	1.94	11.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-038-SA5C-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.314	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.114	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0343	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0512	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0618	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0481	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.102	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0996	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0679	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0791	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0455	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0830	5.56	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0284	1.11	PQL	ng/Kg	
	OCDD	JB	2.03	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.155	11.1	PQL	ng/Kg	
SL-039-SA5C-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.64	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.183	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0795	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.178	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.770	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.127	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.355	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.175	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.112	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.346	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.178	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.191	5.72	PQL	ng/Kg	
	OCDF	JB	2.72	11.4	PQL	ng/Kg	
SL-056-SA5C-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.35	5.86	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.317	5.86	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0609	5.86	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0570	5.86	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0768	5.86	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.149	5.86	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0602	5.86	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.169	5.86	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.124	5.86	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0565	5.86	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0804	5.86	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.107	5.86	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.106	5.86	PQL	ng/Kg	
	OCDD	JB	11.2	11.7	PQL	ng/Kg	
	OCDF	JB	0.380	11.7	PQL	ng/Kg	
SL-056-SA5C-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	0.905	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.102	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.120	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.223	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	1.18	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.176	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.07	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.894	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.160	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.204	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.231	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.270	5.68	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0948	1.14	PQL	ng/Kg	
	OCDF	JB	1.25	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-065-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	0.883	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.140	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.101	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.113	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.270	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0969	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.120	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0999	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.134	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.137	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.105	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.163	5.54	PQL	ng/Kg	
	OCDF	JB	2.30	11.1	PQL	ng/Kg	
SL-065-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	1.25	5.50	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.162	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0877	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.121	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.416	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0815	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.215	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.107	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.125	5.50	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0987	5.50	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.121	5.50	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0635	1.10	PQL	ng/Kg	
	OCDF	JB	3.77	11.0	PQL	ng/Kg	
SL-067-SA5B-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JB	0.234	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.152	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0364	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0357	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0315	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0383	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0642	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0386	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0284	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0436	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0442	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0417	1.10	PQL	ng/Kg	
	OCDD	JB	0.878	11.0	PQL	ng/Kg	
	OCDF	JB	0.179	11.0	PQL	ng/Kg	
SL-068-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.288	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.171	5.68	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0379	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0448	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0626	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0604	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.0760	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0342	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0518	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0170	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0429	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0539	5.68	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0275	1.14	PQL	ng/Kg	
	OCDD	JB	0.716	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.194	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-069-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.256	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.279	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0417	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0386	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.0459	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0516	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0747	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0382	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0775	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0672	5.38	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0398	1.08	PQL	ng/Kg	
	OCDD	JB	0.764	10.8	PQL	ng/Kg	
	OCDF	JB	0.220	10.8	PQL	ng/Kg	
SL-070-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	0.895	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.205	5.36	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0219	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0323	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0502	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0570	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0305	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0359	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0316	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0404	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0275	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0485	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0495	5.36	PQL	ng/Kg	
	OCDD	JB	6.38	10.7	PQL	ng/Kg	
	OCDF	JB	0.318	10.7	PQL	ng/Kg	
SL-097-SA5C-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.08	5.94	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.145	5.94	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0884	5.94	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.222	5.94	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.392	5.94	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.165	5.94	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.276	5.94	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.182	5.94	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.246	5.94	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0909	5.94	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.150	5.94	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0491	1.19	PQL	ng/Kg	
	OCDF	JB	2.26	11.9	PQL	ng/Kg	
SL-124-SA5C-SB-4.5-5.5	1,2,3,4,6,7,8-HPCDD	JBQ	1.43	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.309	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	0.0741	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.129	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0436	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.118	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0780	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.508	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0751	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0880	5.63	PQL	ng/Kg	
	OCDF	JB	0.451	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-137-SA5C-SB-4.5-5.5	1,2,3,4,6,7,8-HPCDD	JB	2.69	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.539	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0722	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0546	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.155	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.259	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.106	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.232	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.207	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0609	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.721	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.101	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.123	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0454	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0688	1.13	PQL	ng/Kg	
	OCDF	JB	0.908	11.3	PQL	ng/Kg	
SL-140-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.92	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.476	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.513	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.337	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	1.74	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.297	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.809	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.177	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.236	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.329	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.382	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.349	5.79	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0717	1.16	PQL	ng/Kg	
SL-146-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.334	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.140	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0490	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0345	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0580	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.142	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0496	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.281	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.162	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0663	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0642	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0468	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0890	5.77	PQL	ng/Kg	
	OCDD	JB	2.72	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.243	11.5	PQL	ng/Kg	
SL-259-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.235	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.106	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0485	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0335	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0358	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0533	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0265	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0404	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0629	5.51	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0306	1.10	PQL	ng/Kg	
	OCDD	JB	0.657	11.0	PQL	ng/Kg	
	OCDF	JB	0.174	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX035

Laboratory: LL

EDD Filename: DX035_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-298-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.47	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.767	5.45	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0861	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0923	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.333	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.141	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.300	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.179	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.114	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.163	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.120	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.183	5.45	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0729	1.09	PQL	ng/Kg	
	OCDF	JB	1.23	10.9	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX036

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
06-Jan-2011	SL-066-SA5B-SB-3.0-4.0	6179388	N	METHOD	1613B	III
06-Jan-2011	SL-066-SA5B-SB-3.0-4.0MS	6179389	MS	METHOD	1613B	III
06-Jan-2011	SL-066-SA5B-SB-3.0-4.0MSD	6179390	MSD	METHOD	1613B	III
06-Jan-2011	DUP16-SA5B-QC-010611	6179391	FD	METHOD	1613B	III
06-Jan-2011	SL-137-SA5B-SS-0.0-0.5	6179386	N	METHOD	1613B	III
06-Jan-2011	SL-063-SA5B-SB-3.0-4.0	6179387	N	METHOD	1613B	III
06-Jan-2011	EB18-SA5B-010611	6179385	EB	METHOD	1613B	III
06-Jan-2011	SL-051-SA5B-SB-3.0-4.0	6179393	N	METHOD	1613B	III
06-Jan-2011	SL-050-SA5B-SB-3.0-4.0	6179394	N	METHOD	1613B	III
06-Jan-2011	SL-058-SA5B-SB-4.0-5.0	6179392	N	METHOD	1613B	III
07-Jan-2011	SL-059-SA5B-SB-4.0-5.0	6180119	N	METHOD	1613B	III
07-Jan-2011	SL-059-SA5B-SB-8.5-9.5	6180120	N	METHOD	1613B	III
07-Jan-2011	SL-060-SA5B-SB-4.0-5.0	6180121	N	METHOD	1613B	III
07-Jan-2011	SL-060-SA5B-SB-9.0-10.0	6180122	N	METHOD	1613B	III
07-Jan-2011	SL-055-SA5B-SB-4.0-5.0	6180123	N	METHOD	1613B	III
07-Jan-2011	SL-055-SA5B-SB-8.5-9.5	6180124	N	METHOD	1613B	III
07-Jan-2011	SL-056-SA5B-SB-4.0-5.0	6180127	N	METHOD	1613B	III
07-Jan-2011	SL-056-SA5B-SB-9.0-10.0	6180128	N	METHOD	1613B	III
07-Jan-2011	SL-062-SA5B-SB-4.0-5.0	6180125	N	METHOD	1613B	III
07-Jan-2011	SL-062-SA5B-SB-9.0-10.0	6180126	N	METHOD	1613B	III
07-Jan-2011	SL-234-SA5B-SB-2.5-3.5	6180130	N	METHOD	1613B	III
07-Jan-2011	SL-061-SA5B-SB-3.5-4.5	6180129	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB18-SA5B-010611

Collected: 1/6/2011 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	3.40	JBQ	0.660	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	4.07	JBQ	0.271	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.897	JBQ	0.362	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.792	JBQ	0.259	MDL	10.7	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.380	JBQ	0.306	MDL	10.7	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.455	JBQ	0.232	MDL	10.7	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.782	JB	0.357	MDL	10.7	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.180	JBQ	0.169	MDL	10.7	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	1.36	JBQ	0.280	MDL	10.7	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.787	JBQ	0.153	MDL	10.7	PQL	pg/L	U	B
OCDD	10.0	JB	0.660	MDL	21.5	PQL	pg/L	U	B
OCDF	3.25	JBQ	0.575	MDL	21.5	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP16-SA5B-QC-010611

Collected: 1/6/2011 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	0.383	JB	0.0440	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.343	JB	0.0139	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.232	JB	0.0284	MDL	5.40	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.128	J	0.0313	MDL	5.40	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.194	JBQ	0.0315	MDL	5.40	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDD	0.186	J	0.0323	MDL	5.40	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.146	JB	0.0239	MDL	5.40	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.274	JB	0.0306	MDL	5.40	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.223	JB	0.0352	MDL	5.40	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.192	JQ	0.0343	MDL	5.40	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.137	JBQ	0.0189	MDL	5.40	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.215	JBQ	0.0279	MDL	5.40	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.204	JBQ	0.0210	MDL	5.40	PQL	ng/Kg	UJ	B, FD
OCDD	1.40	JB	0.0314	MDL	10.8	PQL	ng/Kg	UJ	B, FD
OCDF	0.590	JB	0.0610	MDL	10.8	PQL	ng/Kg	UJ	B, FD

Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-050-SA5B-SB-3.0-4.0

Collected: 1/6/2011 3:44:00 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	0.298	JBQ	0.0553	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.184	JB	0.0158	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0949	JB	0.0246	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0801	JQ	0.0364	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0686	JBQ	0.0190	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0534	JBQ	0.0347	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.114	JBQ	0.0316	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0836	JQ	0.0464	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.128	JBQ	0.0226	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.111	JBQ	0.0236	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.153	JBQ	0.0256	MDL	5.47	PQL	ng/Kg	U	B
OCDD	0.865	JB	0.0395	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.347	JB	0.0775	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-051-SA5B-SB-3.0-4.0

Collected: 1/6/2011 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	0.557	JB	0.0499	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.243	JB	0.0165	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0492	JBQ	0.0352	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.113	JBQ	0.0236	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0395	JQ	0.0318	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0318	JBQ	0.0178	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0521	JB	0.0300	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0551	JBQ	0.0279	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0393	JQ	0.0360	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0455	JBQ	0.0203	MDL	5.84	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0462	JB	0.0215	MDL	5.84	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0771	JBQ	0.0230	MDL	5.84	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0729	JQ	0.0485	MDL	1.17	PQL	ng/Kg	J	Z
OCDD	5.79	JBQ	0.0374	MDL	11.7	PQL	ng/Kg	J	Z
OCDF	0.482	JBQ	0.0786	MDL	11.7	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-055-SA5B-SB-4.0-5.0

Collected: 1/7/2011 12:16:00

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-HPCDF	4.15	JB	0.0326	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.471	JB	0.0475	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.169	J	0.0627	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.195	JB	0.0347	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.18	JQ	0.0660	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.195	JB	0.0305	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.325	JB	0.0636	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0503	JBQ	0.0397	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0872	J	0.0461	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.118	JBQ	0.0219	MDL	5.39	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.310	JB	0.0332	MDL	5.39	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.196	JBQ	0.0232	MDL	5.39	PQL	ng/Kg	U	B

Sample ID: SL-055-SA5B-SB-8.5-9.5

Collected: 1/7/2011 12:22:00

Analysis Type: RES

Dilution: 1

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	3.06	JB	0.0331	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.387	JBQ	0.0414	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0955	J	0.0492	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.266	JBQ	0.0319	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.808	JQ	0.0511	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.123	JB	0.0280	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.260	JBQ	0.0476	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.129	JBQ	0.0336	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0896	JQ	0.0438	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.175	JBQ	0.0226	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.242	JB	0.0298	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.175	JB	0.0226	MDL	5.48	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0756	JQ	0.0435	MDL	1.10	PQL	ng/Kg	J	Z

Sample ID: SL-056-SA5B-SB-4.0-5.0

Collected: 1/7/2011 1:49:00 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	3.34	JB	0.0501	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.355	JB	0.0613	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.211	J	0.0754	MDL	5.42	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/16/2011 5:24:29 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-056-SA5B-SB-4.0-5.0

Collected: 1/7/2011 1:49:00 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	0.163	JBQ	0.0459	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.10	J	0.0780	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.158	JBQ	0.0390	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.381	JBQ	0.0769	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0867	JB	0.0455	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.169	JQ	0.0529	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.196	JB	0.0242	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.236	JB	0.0401	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.204	JBQ	0.0226	MDL	5.42	PQL	ng/Kg	U	B
OCDF	8.62	JB	0.0585	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-056-SA5B-SB-9.0-10.0

Collected: 1/7/2011 1:53:00 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	5.14	JB	0.0481	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.573	JB	0.0592	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.170	JQ	0.0698	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.320	JBQ	0.0516	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.01	J	0.0733	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.185	JB	0.0416	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.279	JB	0.0648	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.156	JBQ	0.0469	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0764	JQ	0.0565	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.155	JB	0.0277	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.266	JB	0.0416	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.163	JBQ	0.0292	MDL	5.46	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0801	JQ	0.0516	MDL	1.09	PQL	ng/Kg	J	Z

Sample ID: SL-058-SA5B-SB-4.0-5.0

Collected: 1/6/2011 3:47:00 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	2.76	JB	0.0446	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.448	JB	0.0187	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.100	JB	0.0362	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0385	JQ	0.0282	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0775	JB	0.0224	MDL	5.54	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/16/2011 5:24:29 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-058-SA5B-SB-4.0-5.0

Collected: 1/6/2011 3:47:00 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	0.138	JQ	0.0307	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0354	JB	0.0175	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0456	JB	0.0283	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0539	JBQ	0.0267	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0407	JQ	0.0331	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0679	JBQ	0.0168	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.104	JBQ	0.0212	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.126	JBQ	0.0198	MDL	5.54	PQL	ng/Kg	U	B
OCDF	1.13	JB	0.0539	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-059-SA5B-SB-4.0-5.0

Collected: 1/7/2011 9:23:00 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	2.98	JB	0.0322	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.417	JB	0.0461	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.166	J	0.0591	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.206	JBQ	0.0352	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.12	J	0.0603	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.176	JBQ	0.0316	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.471	JBQ	0.0626	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.103	JBQ	0.0420	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.211	JQ	0.0502	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.214	JB	0.0243	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.250	JB	0.0352	MDL	5.37	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.231	JB	0.0252	MDL	5.37	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0647	JQ	0.0484	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0564	JQ	0.0491	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	7.55	JB	0.0549	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-059-SA5B-SB-8.5-9.5

Collected: 1/7/2011 9:28:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.615	JB	0.0614	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.380	J	0.0574	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.249	JBQ	0.0377	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	2.10	J	0.0575	MDL	5.47	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/16/2011 5:24:29 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-059-SA5B-SB-8.5-9.5

Collected: 1/7/2011 9:28:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.340	JB	0.0316	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.747	JB	0.0561	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.145	JB	0.0456	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.315	JQ	0.0456	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.201	JB	0.0235	MDL	5.47	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.477	JB	0.0373	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.290	JB	0.0245	MDL	5.47	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0516	JQ	0.0373	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0559	JQ	0.0427	MDL	1.09	PQL	ng/Kg	J	Z

Sample ID: SL-060-SA5B-SB-4.0-5.0

Collected: 1/7/2011 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	1.71	JB	0.0198	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.466	JB	0.0398	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0714	JQ	0.0474	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.163	JBQ	0.0387	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.409	JQ	0.0502	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.180	JB	0.0295	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.149	JB	0.0475	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0877	JBQ	0.0467	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0659	JB	0.0190	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.214	JB	0.0358	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.110	JBQ	0.0211	MDL	5.56	PQL	ng/Kg	U	B
OCDF	2.71	JB	0.0641	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-060-SA5B-SB-9.0-10.0

Collected: 1/7/2011 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	0.755	JB	0.0584	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.261	JQ	0.0674	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.363	JB	0.0437	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.99	J	0.0697	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.275	JB	0.0369	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.503	JBQ	0.0667	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.142	JBQ	0.0501	MDL	5.39	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-060-SA5B-SB-9.0-10.0

Collected: 1/7/2011 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
1,2,3,7,8-PECDD	0.0967	JQ	0.0557	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.136	JB	0.0250	MDL	5.39	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.464	JB	0.0410	MDL	5.39	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.209	JB	0.0276	MDL	5.39	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0888	J	0.0546	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-061-SA5B-SB-3.5-4.5

Collected: 1/7/2011 4:05:00 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	2.47	JB	0.0503	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.280	JBQ	0.0757	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.155	JBQ	0.0649	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.550	JQ	0.0873	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.135	JB	0.0535	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.199	JBQ	0.0868	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.121	JBQ	0.0686	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.109	JBQ	0.0421	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.217	JBQ	0.0593	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.106	JB	0.0431	MDL	5.51	PQL	ng/Kg	U	B
OCDF	7.04	JB	0.115	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-062-SA5B-SB-4.0-5.0

Collected: 1/7/2011 2:04:00 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-HPCDF	2.40	JB	0.0310	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.336	JBQ	0.0505	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.101	JQ	0.0640	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.138	JBQ	0.0347	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.657	J	0.0665	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.113	JBQ	0.0287	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.230	JB	0.0646	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0946	JB	0.0424	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0529	JQ	0.0522	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.139	JBQ	0.0222	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.172	JBQ	0.0328	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.133	JBQ	0.0239	MDL	5.52	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-062-SA5B-SB-4.0-5.0

Collected: 1/7/2011 2:04:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	6.08	JB	0.0590	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-062-SA5B-SB-9.0-10.0

Collected: 1/7/2011 2:09:00 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	5.35	JB	0.0354	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.508	JB	0.0520	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.108	J	0.0577	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.244	JB	0.0389	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.24	J	0.0605	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.193	JBQ	0.0300	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.275	JBQ	0.0572	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0741	JB	0.0387	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0774	JQ	0.0417	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.128	JBQ	0.0196	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.238	JBQ	0.0319	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.158	JB	0.0212	MDL	5.42	PQL	ng/Kg	U	B

Sample ID: SL-063-SA5B-SB-3.0-4.0

Collected: 1/6/2011 12:07:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.53	JB	0.0622	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.265	JBQ	0.0216	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0585	JBQ	0.0442	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.112	JBQ	0.0272	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0668	JB	0.0206	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0872	JB	0.0334	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0822	JBQ	0.0329	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0536	JQ	0.0400	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0412	JBQ	0.0203	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0592	JBQ	0.0237	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.121	JBQ	0.0233	MDL	5.42	PQL	ng/Kg	U	B
OCDF	0.414	JBQ	0.0589	MDL	10.8	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-066-SA5B-SB-3.0-4.0

Collected: 1/6/2011 9:38:00 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	0.517	JBQ	0.0446	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.308	JB	0.0186	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0405	JBQ	0.0259	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0316	U	0.0316	MDL	5.51	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HXCDF	0.0734	JBQ	0.0228	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.0899	J	0.0312	MDL	5.51	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.0713	JBQ	0.0193	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.0938	JBQ	0.0295	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDF	0.0519	JBQ	0.0248	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0311	U	0.0311	MDL	5.51	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDF	0.0321	JBQ	0.0192	MDL	5.51	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.0875	JBQ	0.0204	MDL	5.51	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0658	JBQ	0.0202	MDL	5.51	PQL	ng/Kg	UJ	B, FD
OCDD	4.53	JB	0.0449	MDL	11.0	PQL	ng/Kg	UJ	B, FD
OCDF	0.319	JB	0.0491	MDL	11.0	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-137-SA5B-SS-0.0-0.5

Collected: 1/6/2011 10:58:00

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-HPCDF	3.87	JB	0.0391	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.465	JB	0.0406	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.206	JQ	0.0601	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.457	JBQ	0.0486	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.690	JQ	0.0603	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.360	JB	0.0395	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.444	JBQ	0.0602	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.282	JB	0.0410	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.147	JQ	0.0409	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.307	JB	0.0337	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.373	JB	0.0374	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.254	JBQ	0.0323	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0714	JQ	0.0534	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	8.01	JB	0.0426	MDL	11.0	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-234-SA5B-SB-2.5-3.5

Collected: 1/7/2011 3:09:00 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	0.234	JBQ	0.0502	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.303	JBQ	0.0199	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0482	JBQ	0.0305	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0933	JBQ	0.0337	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0367	JQ	0.0321	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0671	JB	0.0249	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0310	JB	0.0223	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0658	JBQ	0.0259	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0712	JBQ	0.0241	MDL	5.54	PQL	ng/Kg	U	B
OCDD	1.37	JB	0.0439	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.390	JB	0.0631	MDL	11.1	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_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	Matrix Spike Precision
F	Equipment Blank Contamination
F	Field Blank Contamination

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation

Data Qualifier Summary

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

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

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX036

Method Blank Outlier Report

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371810	2/1/2011 6:10:00 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-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	3.45 pg/L 6.10 pg/L 1.02 pg/L 0.280 pg/L 0.861 pg/L 0.361 pg/L 0.712 pg/L 0.721 pg/L 0.990 pg/L 0.587 pg/L 0.543 pg/L 1.45 pg/L 0.960 pg/L 5.60 pg/L 3.47 pg/L	EB18-SA5B-010611

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-SA5B-010611(RES)	1,2,3,4,6,7,8-HPCDD	3.40 pg/L	3.40U pg/L
EB18-SA5B-010611(RES)	1,2,3,4,6,7,8-HPCDF	4.07 pg/L	4.07U pg/L
EB18-SA5B-010611(RES)	1,2,3,4,7,8,9-HPCDF	0.697 pg/L	0.897U pg/L
EB18-SA5B-010611(RES)	1,2,3,4,7,8-HxCDF	0.792 pg/L	0.792U pg/L
EB18-SA5B-010611(RES)	1,2,3,6,7,8-HxCDD	0.380 pg/L	0.380U pg/L
EB18-SA5B-010611(RES)	1,2,3,6,7,8-HxCDF	0.455 pg/L	0.455U pg/L
EB18-SA5B-010611(RES)	1,2,3,7,8,9-HxCDF	0.782 pg/L	0.782U pg/L
EB18-SA5B-010611(RES)	1,2,3,7,8-PECDF	0.180 pg/L	0.180U pg/L
EB18-SA5B-010611(RES)	2,3,4,6,7,8-HxCDF	1.36 pg/L	1.36U pg/L
EB18-SA5B-010611(RES)	2,3,4,7,8-PECDF	0.787 pg/L	0.787U pg/L
EB18-SA5B-010611(RES)	OCDD	10.0 pg/L	10.0U pg/L
EB18-SA5B-010611(RES)	OCDF	3.25 pg/L	3.25U pg/L

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371357	1/31/2011 1:57:00 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-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	0.322 ng/Kg 0.440 ng/Kg 0.0720 ng/Kg 0.107 ng/Kg 0.0673 ng/Kg 0.0280 ng/Kg 0.0637 ng/Kg 0.0396 ng/Kg 0.106 ng/Kg 0.111 ng/Kg 0.950 ng/Kg 0.468 ng/Kg	DUP16-SA5B-QC-010611 SL-050-SA5B-SB-3.0-4.0 SL-051-SA5B-SB-3.0-4.0 SL-055-SA5B-SB-4.0-5.0 SL-055-SA5B-SB-8.5-9.5 SL-056-SA5B-SB-4.0-5.0 SL-056-SA5B-SB-9.0-10.0 SL-058-SA5B-SB-4.0-5.0 SL-059-SA5B-SB-4.0-5.0 SL-059-SA5B-SB-8.5-9.5 SL-060-SA5B-SB-4.0-5.0 SL-060-SA5B-SB-9.0-10.0 SL-061-SA5B-SB-3.5-4.5 SL-062-SA5B-SB-4.0-5.0 SL-062-SA5B-SB-9.0-10.0 SL-063-SA5B-SB-3.0-4.0 SL-066-SA5B-SB-3.0-4.0 SL-137-SA5B-SS-0.0-0.5 SL-234-SA5B-SB-2.5-3.5

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_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
DUP16-SA5B-QC-010611(RES)	1,2,3,4,6,7,8-HPCDD	0.383 ng/Kg	0.383U ng/Kg
DUP16-SA5B-QC-010611(RES)	1,2,3,4,6,7,8-HPCDF	0.343 ng/Kg	0.343U ng/Kg
DUP16-SA5B-QC-010611(RES)	1,2,3,4,7,8,9-HPCDF	0.232 ng/Kg	0.232U ng/Kg
DUP16-SA5B-QC-010611(RES)	1,2,3,4,7,8-HXCDF	0.194 ng/Kg	0.194U ng/Kg
DUP16-SA5B-QC-010611(RES)	1,2,3,6,7,8-HXCDF	0.146 ng/Kg	0.146U ng/Kg
DUP16-SA5B-QC-010611(RES)	1,2,3,7,8,9-HXCDF	0.223 ng/Kg	0.223U ng/Kg
DUP16-SA5B-QC-010611(RES)	1,2,3,7,8-PECDF	0.137 ng/Kg	0.137U ng/Kg
DUP16-SA5B-QC-010611(RES)	2,3,4,6,7,8-HXCDF	0.215 ng/Kg	0.215U ng/Kg
DUP16-SA5B-QC-010611(RES)	2,3,4,7,8-PECDF	0.204 ng/Kg	0.204U ng/Kg
DUP16-SA5B-QC-010611(RES)	OCDD	1.40 ng/Kg	1.40U ng/Kg
DUP16-SA5B-QC-010611(RES)	OCDF	0.590 ng/Kg	0.590U ng/Kg
SL-050-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.298 ng/Kg	0.298U ng/Kg
SL-050-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.184 ng/Kg	0.184U ng/Kg
SL-050-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0949 ng/Kg	0.0949U ng/Kg
SL-050-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0686 ng/Kg	0.0686U ng/Kg
SL-050-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.0534 ng/Kg	0.0534U ng/Kg
SL-050-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.114 ng/Kg	0.114U ng/Kg
SL-050-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.128 ng/Kg	0.128U ng/Kg
SL-050-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-050-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.153 ng/Kg	0.153U ng/Kg
SL-050-SA5B-SB-3.0-4.0(RES)	OCDD	0.865 ng/Kg	0.865U ng/Kg
SL-050-SA5B-SB-3.0-4.0(RES)	OCDF	0.347 ng/Kg	0.347U ng/Kg
SL-051-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.557 ng/Kg	0.557U ng/Kg
SL-051-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.243 ng/Kg	0.243U ng/Kg
SL-051-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0492 ng/Kg	0.0492U ng/Kg
SL-051-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.113 ng/Kg	0.113U ng/Kg
SL-051-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0318 ng/Kg	0.0318U ng/Kg
SL-051-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.0521 ng/Kg	0.0521U ng/Kg
SL-051-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0551 ng/Kg	0.0551U ng/Kg
SL-051-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0455 ng/Kg	0.0455U ng/Kg
SL-051-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0462 ng/Kg	0.0462U ng/Kg
SL-051-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0771 ng/Kg	0.0771U ng/Kg
SL-051-SA5B-SB-3.0-4.0(RES)	OCDF	0.482 ng/Kg	0.482U ng/Kg
SL-055-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.195 ng/Kg	0.195U ng/Kg
SL-055-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.195 ng/Kg	0.195U ng/Kg
SL-055-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0503 ng/Kg	0.0503U ng/Kg
SL-055-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.118 ng/Kg	0.118U ng/Kg
SL-055-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.310 ng/Kg	0.310U ng/Kg
SL-055-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.196 ng/Kg	0.196U ng/Kg
SL-055-SA5B-SB-8.5-9.5(RES)	1,2,3,4,7,8-HXCDF	0.266 ng/Kg	0.266U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_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-055-SA5B-SB-8.5-9.5(RES)	1,2,3,6,7,8-HXCDF	0.123 ng/Kg	0.123U ng/Kg
SL-055-SA5B-SB-8.5-9.5(RES)	1,2,3,7,8,9-HXCDF	0.129 ng/Kg	0.129U ng/Kg
SL-055-SA5B-SB-8.5-9.5(RES)	1,2,3,7,8-PECDF	0.175 ng/Kg	0.175U ng/Kg
SL-055-SA5B-SB-8.5-9.5(RES)	2,3,4,6,7,8-HXCDF	0.242 ng/Kg	0.242U ng/Kg
SL-055-SA5B-SB-8.5-9.5(RES)	2,3,4,7,8-PECDF	0.175 ng/Kg	0.175U ng/Kg
SL-056-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.355 ng/Kg	0.355U ng/Kg
SL-056-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.163 ng/Kg	0.163U ng/Kg
SL-056-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.158 ng/Kg	0.156U ng/Kg
SL-056-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0867 ng/Kg	0.0867U ng/Kg
SL-056-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.196 ng/Kg	0.196U ng/Kg
SL-056-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.236 ng/Kg	0.236U ng/Kg
SL-056-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.204 ng/Kg	0.204U ng/Kg
SL-056-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.320 ng/Kg	0.320U ng/Kg
SL-056-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.185 ng/Kg	0.185U ng/Kg
SL-056-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.156 ng/Kg	0.156U ng/Kg
SL-056-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.155 ng/Kg	0.155U ng/Kg
SL-056-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.266 ng/Kg	0.266U ng/Kg
SL-056-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.163 ng/Kg	0.163U ng/Kg
SL-058-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.448 ng/Kg	0.448U ng/Kg
SL-058-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.100 ng/Kg	0.100U ng/Kg
SL-058-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0775 ng/Kg	0.0775U ng/Kg
SL-058-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0354 ng/Kg	0.0354U ng/Kg
SL-058-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0456 ng/Kg	0.0456U ng/Kg
SL-058-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0539 ng/Kg	0.0539U ng/Kg
SL-058-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0679 ng/Kg	0.0679U ng/Kg
SL-058-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.104 ng/Kg	0.104U ng/Kg
SL-058-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.126 ng/Kg	0.126U ng/Kg
SL-058-SA5B-SB-4.0-5.0(RES)	OCDF	1.13 ng/Kg	1.13U ng/Kg
SL-059-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.206 ng/Kg	0.206U ng/Kg
SL-059-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SL-059-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.103 ng/Kg	0.103U ng/Kg
SL-059-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.250 ng/Kg	0.250U ng/Kg
SL-059-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.231 ng/Kg	0.231U ng/Kg
SL-059-SA5B-SB-8.5-9.5(RES)	1,2,3,4,7,8-HXCDF	0.249 ng/Kg	0.249U ng/Kg
SL-059-SA5B-SB-8.5-9.5(RES)	1,2,3,7,8,9-HXCDF	0.145 ng/Kg	0.145U ng/Kg
SL-059-SA5B-SB-8.5-9.5(RES)	2,3,4,6,7,8-HXCDF	0.477 ng/Kg	0.477U ng/Kg
SL-059-SA5B-SB-8.5-9.5(RES)	2,3,4,7,8-PECDF	0.290 ng/Kg	0.290U ng/Kg
SL-060-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	1.71 ng/Kg	1.71U ng/Kg
SL-060-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.163 ng/Kg	0.163U ng/Kg
SL-060-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.180 ng/Kg	0.180U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_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-060-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0877 ng/Kg	0.0877U ng/Kg
SL-060-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0659 ng/Kg	0.0659U ng/Kg
SL-060-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.214 ng/Kg	0.214U ng/Kg
SL-060-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.110 ng/Kg	0.110U ng/Kg
SL-060-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.363 ng/Kg	0.363U ng/Kg
SL-060-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.275 ng/Kg	0.275U ng/Kg
SL-060-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.142 ng/Kg	0.142U ng/Kg
SL-060-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.136 ng/Kg	0.136U ng/Kg
SL-060-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.464 ng/Kg	0.464U ng/Kg
SL-060-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.209 ng/Kg	0.209U ng/Kg
SL-061-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPCDF	0.280 ng/Kg	0.280U ng/Kg
SL-061-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8-HXCDF	0.155 ng/Kg	0.155U ng/Kg
SL-061-SA5B-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.135 ng/Kg	0.135U ng/Kg
SL-061-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-061-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.109 ng/Kg	0.109U ng/Kg
SL-061-SA5B-SB-3.5-4.5(RES)	2,3,4,6,7,8-HXCDF	0.217 ng/Kg	0.217U ng/Kg
SL-061-SA5B-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.106 ng/Kg	0.106U ng/Kg
SL-062-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.336 ng/Kg	0.336U ng/Kg
SL-062-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-062-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.113 ng/Kg	0.113U ng/Kg
SL-062-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0946 ng/Kg	0.0946U ng/Kg
SL-062-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.139 ng/Kg	0.139U ng/Kg
SL-062-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.172 ng/Kg	0.172U ng/Kg
SL-062-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.133 ng/Kg	0.133U ng/Kg
SL-062-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.244 ng/Kg	0.244U ng/Kg
SL-062-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.193 ng/Kg	0.193U ng/Kg
SL-062-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0741 ng/Kg	0.0741U ng/Kg
SL-062-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.128 ng/Kg	0.128U ng/Kg
SL-062-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.238 ng/Kg	0.238U ng/Kg
SL-062-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.158 ng/Kg	0.158U ng/Kg
SL-063-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	1.53 ng/Kg	1.53U ng/Kg
SL-063-SA5B-SB-3.0-4.0(RES)	1,2,3,4,8,7,8-HPCDF	0.265 ng/Kg	0.265U ng/Kg
SL-063-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0585 ng/Kg	0.0585U ng/Kg
SL-063-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.112 ng/Kg	0.112U ng/Kg
SL-063-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0668 ng/Kg	0.0668U ng/Kg
SL-063-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.0872 ng/Kg	0.0872U ng/Kg
SL-063-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0822 ng/Kg	0.0822U ng/Kg
SL-063-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0412 ng/Kg	0.0412U ng/Kg
SL-063-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0592 ng/Kg	0.0592U ng/Kg
SL-063-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.121 ng/Kg	0.121U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_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-063-SA5B-SB-3.0-4.0(RES)	OCDF	0.414 ng/Kg	0.414U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.517 ng/Kg	0.517U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.308 ng/Kg	0.308U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0405 ng/Kg	0.0405U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0734 ng/Kg	0.0734U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0713 ng/Kg	0.0713U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.0938 ng/Kg	0.0938U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0519 ng/Kg	0.0519U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0321 ng/Kg	0.0321U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0875 ng/Kg	0.0875U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0658 ng/Kg	0.0658U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	OCDD	4.53 ng/Kg	4.53U ng/Kg
SL-066-SA5B-SB-3.0-4.0(RES)	OCDF	0.319 ng/Kg	0.319U ng/Kg
SL-137-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.457 ng/Kg	0.457U ng/Kg
SL-137-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.282 ng/Kg	0.282U ng/Kg
SL-137-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.373 ng/Kg	0.373U ng/Kg
SL-137-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.254 ng/Kg	0.254U ng/Kg
SL-234-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.234 ng/Kg	0.234U ng/Kg
SL-234-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.303 ng/Kg	0.303U ng/Kg
SL-234-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0482 ng/Kg	0.0482U ng/Kg
SL-234-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0933 ng/Kg	0.0933U ng/Kg
SL-234-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0671 ng/Kg	0.0671U ng/Kg
SL-234-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.0310 ng/Kg	0.0310U ng/Kg
SL-234-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.0658 ng/Kg	0.0658U ng/Kg
SL-234-SA5B-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.0712 ng/Kg	0.0712U ng/Kg
SL-234-SA5B-SB-2.5-3.5(RES)	OCDD	1.37 ng/Kg	1.37U ng/Kg
SL-234-SA5B-SB-2.5-3.5(RES)	OCDF	0.390 ng/Kg	0.390U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-066-SA5B-SB-3.0-4.0	DUP16-SA5B-QC-010611			
MOISTURE	9.2	7.4	22		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-066-SA5B-SB-3.0-4.0	DUP16-SA5B-QC-010611			
1,2,3,4,6,7,8-HPCDD	0.517	0.383	30	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.308	0.343	11	50.00	
1,2,3,4,7,8,9-HPCDF	0.0405	0.232	141	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,7,8-HxCDD	5.51 U	0.128	200	50.00	
1,2,3,4,7,8-HxCDF	0.0734	0.194	90	50.00	
1,2,3,6,7,8-HxCDD	0.0899	0.186	70	50.00	
1,2,3,6,7,8-HxCDF	0.0713	0.146	69	50.00	
1,2,3,7,8,9-HxCDD	0.0938	0.274	98	50.00	
1,2,3,7,8,9-HxCDF	0.0519	0.223	124	50.00	
1,2,3,7,8-PECDD	5.51 U	0.192	200	50.00	
1,2,3,7,8-PECDF	0.0321	0.137	124	50.00	
2,3,4,6,7,8-HxCDF	0.0875	0.215	84	50.00	
2,3,4,7,8-PECDF	0.0658	0.204	102	50.00	
OCDD	4.53	1.40	106	50.00	
OCDF	0.319	0.590	60	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB18-SA5B-010611	1,2,3,4,6,7,8-HPCDD	JBQ	3.40	10.7	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	4.07	10.7	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.897	10.7	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.792	10.7	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.380	10.7	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.455	10.7	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JB	0.782	10.7	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.180	10.7	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	1.36	10.7	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.787	10.7	PQL	pg/L	
	OCDD	JB	10.0	21.5	PQL	pg/L	
	OCDF	JBQ	3.25	21.5	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP16-SA5B-QC-010611	1,2,3,4,6,7,8-HPCDD	JB	0.383	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.343	5.40	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.232	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.128	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.194	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.186	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.146	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.274	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.223	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.192	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.137	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.215	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.204	5.40	PQL	ng/Kg	
	OCDD	JB	1.40	10.8	PQL	ng/Kg	
	OCDF	JB	0.590	10.8	PQL	ng/Kg	
SL-050-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.298	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.184	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0949	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0801	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0686	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0534	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.114	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0836	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.128	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.111	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.153	5.47	PQL	ng/Kg	
	OCDD	JB	0.865	10.9	PQL	ng/Kg	
	OCDF	JB	0.347	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-051-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.557	5.84	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.243	5.84	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0492	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.113	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0395	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0318	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0521	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0551	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0393	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0455	5.84	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0462	5.84	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0771	5.84	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0729	1.17	PQL	ng/Kg	
	OCDD	JBQ	5.79	11.7	PQL	ng/Kg	
	OCDF	JBQ	0.482	11.7	PQL	ng/Kg	
SL-055-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	4.15	5.39	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.471	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.169	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.195	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	1.18	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.195	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.325	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0503	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0872	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.118	5.39	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.310	5.39	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.196	5.39	PQL	ng/Kg	
SL-055-SA5B-SB-8.5-9.5	1,2,3,4,6,7,8-HPCDF	JB	3.06	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.387	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0955	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.266	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.808	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.123	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.260	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.129	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0896	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.175	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.242	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.175	5.48	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0756	1.10	PQL	ng/Kg	
SL-056-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	3.34	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.355	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.211	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.163	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	1.10	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.158	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.381	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0867	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.169	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.196	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.236	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.204	5.42	PQL	ng/Kg	
	OCDF	JB	8.62	10.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-056-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	5.14	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.573	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JQ	0.170	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.320	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	1.01	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.185	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.279	5.46	PQL	ng/Kg	
	1,2,3,7,8-HxCDD	JBQ	0.156	5.46	PQL	ng/Kg	
	1,2,3,7,8-HxCDF	JQ	0.0764	5.46	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.155	5.46	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.266	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.163	5.46	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0801	1.09	PQL	ng/Kg	
SL-058-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.76	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.448	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.100	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JQ	0.0385	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0775	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JQ	0.138	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0354	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0456	5.54	PQL	ng/Kg	
	1,2,3,7,8-HxCDD	JBQ	0.0539	5.54	PQL	ng/Kg	
	1,2,3,7,8-HxCDF	JQ	0.0407	5.54	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JBQ	0.0679	5.54	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JBQ	0.104	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.126	5.54	PQL	ng/Kg	
SL-059-SA5B-SB-4.0-5.0	OCDF	JB	1.13	11.1	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	2.98	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.417	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	J	0.166	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.206	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	1.12	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.176	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.471	5.37	PQL	ng/Kg	
	1,2,3,7,8-HxCDD	JBQ	0.103	5.37	PQL	ng/Kg	
	1,2,3,7,8-HxCDF	JQ	0.211	5.37	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.214	5.37	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.250	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.231	5.37	PQL	ng/Kg	
SL-059-SA5B-SB-8.5-9.5	2,3,7,8-TCDD	JQ	0.0647	1.07	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDF	JQ	0.0564	1.07	PQL	ng/Kg	
	OCDF	JB	7.55	10.7	PQL	ng/Kg	
	1,2,3,4,7,8-HPCDF	JB	0.615	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.380	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.249	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	2.10	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.340	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.747	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.145	5.47	PQL	ng/Kg	
	1,2,3,7,8-HxCDD	JQ	0.315	5.47	PQL	ng/Kg	
	1,2,3,7,8-HxCDF	JB	0.201	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.477	5.47	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JB	0.290	5.47	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0516	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0559	1.09	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-060-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.71	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.466	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0714	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.163	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.409	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.180	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.149	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0877	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0659	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.214	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.110	5.56	PQL	ng/Kg	
	OCDF	JB	2.71	11.1	PQL	ng/Kg	
SL-060-SA5B-SB-9.0-10.0	1,2,3,4,7,8,9-HPCDF	JB	0.755	5.39	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JQ	0.261	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.363	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	1.99	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.275	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.503	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.142	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0967	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.136	5.39	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.464	5.39	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.209	5.39	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0888	1.08	PQL	ng/Kg	
SL-061-SA5B-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDF	JB	2.47	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.280	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.155	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.550	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.135	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.199	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.121	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.109	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.217	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.106	5.51	PQL	ng/Kg	
	OCDF	JB	7.04	11.0	PQL	ng/Kg	
SL-062-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.40	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.336	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.101	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.138	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.657	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.113	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.230	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0946	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0529	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.139	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.172	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.133	5.52	PQL	ng/Kg	
	OCDF	JB	6.08	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-062-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	5.35	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.508	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.108	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.244	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	1.24	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.193	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.275	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0741	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0774	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.128	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.238	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.158	5.42	PQL	ng/Kg	
SL-063-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	1.53	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.265	5.42	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0585	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.112	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0668	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0872	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0822	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0536	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0412	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0592	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.121	5.42	PQL	ng/Kg	
	OCDF	JBQ	0.414	10.8	PQL	ng/Kg	
SL-066-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.517	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.308	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0405	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0734	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.0899	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0713	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0938	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0519	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0321	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0875	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0658	5.51	PQL	ng/Kg	
	OCDD	JB	4.53	11.0	PQL	ng/Kg	
	OCDF	JB	0.319	11.0	PQL	ng/Kg	
SL-137-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.87	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.465	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.206	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.457	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.690	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.360	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.444	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.282	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.147	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.307	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.373	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.254	5.51	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0714	1.10	PQL	ng/Kg	
	OCDF	JB	8.01	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX036

Laboratory: LL

EDD Filename: DX036_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-234-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.234	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.303	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0482	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0933	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0367	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0671	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0310	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0658	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0712	5.54	PQL	ng/Kg	
	OCDD	JB	1.37	11.1	PQL	ng/Kg	
	OCDF	JB	0.390	11.1	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX037

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-Jan-2011	SL-107-SA5B-SB-4.0-5.0	6181065	N	METHOD	1613B	III
10-Jan-2011	SL-053-SA5B-SB-1.8-2.8	6181066	N	METHOD	1613B	III
10-Jan-2011	SL-110-SA5B-SB-4.0-5.0	6181068	N	METHOD	1613B	III
10-Jan-2011	SL-054-SA5B-SB-3.0-4.0	6181067	N	METHOD	1613B	III
10-Jan-2011	SL-105-SA5B-SB-4.0-5.0	6181069	N	METHOD	1613B	III
10-Jan-2011	SL-109-SA5B-SB-4.0-5.0	6181070	N	METHOD	1613B	III
10-Jan-2011	SL-106-SA5B-SB-4.0-5.0	6181073	N	METHOD	1613B	III
10-Jan-2011	SL-108-SA5B-SB-4.0-5.0	6181074	N	METHOD	1613B	III
10-Jan-2011	SL-240-SA5B-SB-4.0-5.0	6181071	N	METHOD	1613B	III
10-Jan-2011	SL-240-SA5B-SB-9.0-10.0	6181072	N	METHOD	1613B	III
10-Jan-2011	SL-111-SA5B-SB-4.0-5.0	6181075	N	METHOD	1613B	III
10-Jan-2011	SL-111-SA5B-SB-9.0-10.0	6181076	N	METHOD	1613B	III
12-Jan-2011	SL-095-SA5B-SB-4.0-5.0	6182842	N	METHOD	1613B	III
12-Jan-2011	SL-095-SA5B-SB-4.0-5.0MS	6182843	MS	METHOD	1613B	III
12-Jan-2011	SL-095-SA5B-SB-4.0-5.0MSD	6182844	MSD	METHOD	1613B	III
12-Jan-2011	DUP18-SA5B-QC-011211	6182845	FD	METHOD	1613B	III
12-Jan-2011	SL-096-SA5B-SB-2.0-3.0	6182846	N	METHOD	1613B	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183564	N	METHOD	1613B	III
13-Jan-2011	SL-301-SA5B-SB-7.5-8.5	6183565	N	METHOD	1613B	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183566	N	METHOD	1613B	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0	6183567	N	METHOD	1613B	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183563	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP18-SA5B-QC-011211

Collected: 1/12/2011 9:24:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	8.19	B	0.0506	MDL	5.76	PQL	ng/Kg	J	FD
1,2,3,4,6,7,8-HPCDF	1.22	JB	0.0185	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.151	JB	0.0230	MDL	5.76	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.101	JBQ	0.0407	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.149	JB	0.0229	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.407	JB	0.0433	MDL	5.76	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDF	0.107	JBQ	0.0203	MDL	5.76	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.360	JB	0.0401	MDL	5.76	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDF	0.149	JB	0.0225	MDL	5.76	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.117	JQ	0.0346	MDL	5.76	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.132	JB	0.0144	MDL	5.76	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HxCDF	0.144	JB	0.0196	MDL	5.76	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.128	JB	0.0144	MDL	5.76	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.105	JQ	0.0385	MDL	1.15	PQL	ng/Kg	J	Z, FD
OCDD	88.9	B	0.0381	MDL	11.5	PQL	ng/Kg	J	FD
OCDF	3.50	JB	0.0267	MDL	11.5	PQL	ng/Kg	J	Z, FD

Sample ID: SL-053-SA5B-SB-1.8-2.8

Collected: 1/10/2011 9:57:00

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-HPCDF	2.86	JB	0.0155	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.320	JB	0.0185	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.241	JB	0.0246	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.130	JBQ	0.0135	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.23	JB	0.0255	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.137	JBQ	0.0130	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.467	JB	0.0242	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0786	JB	0.0138	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.114	JQ	0.0313	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0859	JB	0.00843	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.234	JB	0.0130	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.116	JBQ	0.00775	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0251	JBQ	0.0198	MDL	1.12	PQL	ng/Kg	U	B
OCDF	7.20	JB	0.0213	MDL	11.2	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-054-SA5B-SB-3.0-4.0

Collected: 1/10/2011 10:54:00

Analysis Type: RES

Dilution: 1

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	1.99	JB	0.0344	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.239	JBQ	0.0431	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.203	JB	0.0308	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.115	JB	0.0144	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.902	JB	0.0326	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0973	JBQ	0.0136	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.378	JB	0.0304	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0823	JB	0.0152	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0717	J	0.0342	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0807	JBQ	0.00795	MDL	5.76	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.170	JB	0.0138	MDL	5.76	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0738	JB	0.00703	MDL	5.76	PQL	ng/Kg	U	B
OCDF	4.75	JB	0.0408	MDL	11.5	PQL	ng/Kg	J	Z

Sample ID: SL-073-SA5B-SB-4.0-5.0

Collected: 1/13/2011 12:31:00

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	0.378	JBQ	0.0293	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.138	JB	0.0153	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0326	JBQ	0.0211	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0470	JBQ	0.0137	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0450	JBQ	0.0200	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0564	JBQ	0.0122	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0810	JBQ	0.0194	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0644	JBQ	0.0138	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0353	JQ	0.0310	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0490	JBQ	0.00971	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0552	JBQ	0.0123	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0786	JB	0.00914	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0242	JQ	0.0201	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	0.895	JBQ	0.0279	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.170	JBQ	0.0326	MDL	11.4	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-074-SA5B-SB-4.0-5.0

Collected: 1/13/2011 11:11:00

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	0.281	JB	0.0291	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.176	JB	0.0128	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0519	JB	0.0159	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0379	JBQ	0.0140	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0709	JBQ	0.0180	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0392	JB	0.0131	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.128	JB	0.0167	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.153	JBQ	0.0133	MDL	5.80	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0422	JBQ	0.0124	MDL	5.80	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0420	JBQ	0.00812	MDL	5.80	PQL	ng/Kg	U	B
OCDD	1.23	JB	0.0323	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.174	JB	0.0245	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-074-SA5B-SB-7.0-8.0

Collected: 1/13/2011 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	0.212	JBQ	0.0275	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.162	JB	0.0144	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0373	JBQ	0.0175	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0260	JBQ	0.0131	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0256	JBQ	0.0118	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0369	JB	0.0152	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0314	JBQ	0.0130	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0139	JBQ	0.00943	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0457	JB	0.0118	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0711	JB	0.00884	MDL	5.90	PQL	ng/Kg	U	B
OCDD	0.647	JB	0.0257	MDL	11.8	PQL	ng/Kg	U	B
OCDF	0.175	JBQ	0.0263	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-095-SA5B-SB-4.0-5.0

Collected: 1/12/2011 9:16:00

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	3.95	JB	0.0382	MDL	5.70	PQL	ng/Kg	J	Z, FD
1,2,3,4,6,7,8-HPCDF	0.758	JBQ	0.0531	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0757	JBQ	0.0645	MDL	5.70	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0647	JBQ	0.0258	MDL	5.70	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/16/2011 5:25:53 AM

ADR version 1.3.0.71

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Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-095-SA5B-SB-4.0-5.0

Collected: 1/12/2011 9:16:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.0989	JB	0.0186	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.169	JB	0.0266	MDL	5.70	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.0410	JBQ	0.0158	MDL	5.70	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.150	JBQ	0.0255	MDL	5.70	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.0688	JBQ	0.0161	MDL	5.70	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0322	JQ	0.0274	MDL	5.70	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.0683	JBQ	0.0114	MDL	5.70	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.0715	JBQ	0.0148	MDL	5.70	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.136	JBQ	0.0109	MDL	5.70	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0331	U	0.0331	MDL	1.14	PQL	ng/Kg	UJ	FD
OCDD	43.7	B	0.0312	MDL	11.4	PQL	ng/Kg	J	Q, Q, FD
OCDF	1.76	JB	0.0452	MDL	11.4	PQL	ng/Kg	J	Z, FD

Sample ID: SL-096-SA5B-SB-2.0-3.0

Collected: 1/12/2011 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	0.273	JB	0.0296	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.145	JB	0.0151	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0402	JBQ	0.0194	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0275	JBQ	0.0172	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0622	JBQ	0.0146	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0569	JBQ	0.0181	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0491	JB	0.0131	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0412	JB	0.0169	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0573	JBQ	0.0150	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0805	JQ	0.0265	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0868	JBQ	0.00947	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0629	JB	0.0133	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.112	JBQ	0.00925	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0535	JBQ	0.0242	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0220	J	0.0206	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	1.87	JB	0.0243	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.212	JBQ	0.0258	MDL	11.0	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-105-SA5B-SB-4.0-5.0

Collected: 1/10/2011 11:39:00

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	0.211	JBQ	0.0171	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.199	JB	0.0172	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0683	JBQ	0.0223	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0389	JBQ	0.00754	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0290	JBQ	0.0115	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0306	JBQ	0.00697	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0385	JB	0.0112	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0184	JBQ	0.00844	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0160	J	0.0137	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0131	JBQ	0.00506	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0513	JB	0.00742	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0524	JBQ	0.00461	MDL	5.62	PQL	ng/Kg	U	B
OCDD	0.934	JB	0.0157	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.175	JBQ	0.0189	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-106-SA5B-SB-4.0-5.0

Collected: 1/10/2011 1:56:00

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	0.217	JB	0.0187	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.116	JB	0.00849	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0299	JBQ	0.0105	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0123	JBQ	0.0116	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0438	JBQ	0.0102	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0267	JB	0.0116	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0326	JBQ	0.00806	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0219	JB	0.0115	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0329	JBQ	0.00892	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0259	JQ	0.0181	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0212	JBQ	0.00538	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0327	JBQ	0.00839	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0421	JBQ	0.00538	MDL	5.38	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0168	J	0.0119	MDL	1.08	PQL	ng/Kg	J	Z
OCDD	0.892	JB	0.0155	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.142	JB	0.0170	MDL	10.8	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-107-SA5B-SB-4.0-5.0

Collected: 1/10/2011 9:39:00

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	0.265	JB	0.0182	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.154	JB	0.00783	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0553	JB	0.0109	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0259	JBQ	0.0106	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0469	JBQ	0.00840	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0215	JB	0.0112	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0370	JB	0.00748	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0416	JB	0.0108	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0450	JB	0.00898	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0140	JQ	0.0125	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0191	JBQ	0.00506	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0550	JB	0.00817	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0508	JB	0.00483	MDL	5.75	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0160	JBQ	0.0152	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0115	J	0.0102	MDL	1.15	PQL	ng/Kg	J	Z
OCDD	0.782	JB	0.0153	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.203	JBQ	0.0155	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-108-SA5B-SB-4.0-5.0

Collected: 1/10/2011 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	0.301	JB	0.0234	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.137	JB	0.0104	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0304	JBQ	0.0121	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0146	JBQ	0.0140	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0291	JBQ	0.0112	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0310	JBQ	0.0141	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0263	JBQ	0.00926	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0276	JBQ	0.0135	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0251	JBQ	0.00904	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0134	JBQ	0.00695	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0391	JB	0.00849	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0423	JBQ	0.00684	MDL	5.51	PQL	ng/Kg	U	B
OCDD	1.67	JB	0.0204	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.164	JB	0.0226	MDL	11.0	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/16/2011 5:25:53 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-109-SA5B-SB-4.0-5.0

Collected: 1/10/2011 1:52:00

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	0.266	JB	0.0141	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.154	JB	0.0131	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0265	JB	0.0188	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0362	JB	0.00936	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0462	JBQ	0.00699	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0396	JBQ	0.00958	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0433	JB	0.00643	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0448	JB	0.00913	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0342	JB	0.00676	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0475	JQ	0.0113	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0728	JBQ	0.00428	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0548	JBQ	0.00665	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0972	JB	0.00417	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0246	JBQ	0.00981	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0170	J	0.00722	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	1.60	JB	0.0136	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.168	JB	0.0158	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-110-SA5B-SB-4.0-5.0

Collected: 1/10/2011 10:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.193	JBQ	0.0193	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.218	JBQ	0.0214	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0572	JBQ	0.0282	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0143	JBQ	0.0103	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0387	JB	0.00872	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0162	JBQ	0.0109	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0332	JBQ	0.00819	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0233	JBQ	0.0100	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0237	JB	0.00904	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0224	JQ	0.0148	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0229	JBQ	0.00511	MDL	5.32	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0610	JBQ	0.00851	MDL	5.32	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0607	JB	0.00489	MDL	5.32	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0101	J	0.00926	MDL	1.06	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/16/2011 5:25:53 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-110-SA5B-SB-4.0-5.0

Collected: 1/10/2011 10:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	0.870	JB	0.0196	MDL	10.6	PQL	ng/Kg	U	B
OCDF	0.164	JB	0.0250	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-111-SA5B-SB-4.0-5.0

Collected: 1/10/2011 4:04:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.688	JB	0.0330	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.446	JB	0.0586	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.376	JBQ	0.0355	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.98	JBQ	0.0602	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.292	JB	0.0304	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.854	JB	0.0555	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.184	JB	0.0306	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.151	J	0.0573	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.213	JBQ	0.0185	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.426	JB	0.0298	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.293	JB	0.0179	MDL	5.64	PQL	ng/Kg	U	B

Sample ID: SL-111-SA5B-SB-9.0-10.0

Collected: 1/10/2011 4:08:00

Analysis Type: RES

Dilution: 1

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	1.38	JB	0.0183	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.147	JBQ	0.0217	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.128	JBQ	0.0310	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.120	JBQ	0.0214	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.593	JB	0.0315	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0833	JBQ	0.0170	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.286	JB	0.0297	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0708	JBQ	0.0166	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0688	JQ	0.0285	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0419	JB	0.00841	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.138	JBQ	0.0155	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0607	JB	0.00852	MDL	5.68	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0217	JBQ	0.0200	MDL	1.14	PQL	ng/Kg	U	B
OCDF	3.68	JB	0.0215	MDL	11.4	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/16/2011 5:25:53 AM

ADR version 1.3.0.71

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Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-240-SA5B-SB-4.0-5.0

Collected: 1/10/2011 3:11:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.825	JB	0.0348	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.874	JB	0.0351	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.556	JB	0.0212	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.83	JB	0.0362	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.463	JB	0.0189	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.50	JB	0.0344	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.181	JB	0.0210	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.427	J	0.0392	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.398	JB	0.0135	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.700	JB	0.0196	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.261	JBQ	0.0128	MDL	5.73	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.110	JBQ	0.0204	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0789	JQ	0.0230	MDL	1.15	PQL	ng/Kg	J	Z

Sample ID: SL-240-SA5B-SB-9.0-10.0

Collected: 1/10/2011 3:14:00

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-HPCDD	0.242	JB	0.0221	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.179	JB	0.0172	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0427	JBQ	0.0251	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0372	JBQ	0.00916	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0342	JBQ	0.0142	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0338	JBQ	0.00839	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0348	JBQ	0.0138	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0107	JBQ	0.0100	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0417	JB	0.00596	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0432	JBQ	0.00883	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0691	JBQ	0.00563	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0336	JB	0.0160	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0177	J	0.0106	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	1.24	JB	0.0230	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.176	JBQ	0.0295	MDL	11.0	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-301-SA5B-SB-4.0-5.0

Collected: 1/13/2011 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	0.286	JB	0.0279	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.129	JB	0.0137	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0262	JB	0.0169	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0227	JBQ	0.0164	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0245	JB	0.0127	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0341	JBQ	0.0174	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0287	JBQ	0.0116	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.156	JB	0.0166	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.154	JB	0.0131	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0350	JQ	0.0312	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0316	JB	0.0107	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0386	JB	0.0116	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0457	JB	0.0103	MDL	5.61	PQL	ng/Kg	U	B
OCDD	1.47	JB	0.0293	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.170	JB	0.0245	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-301-SA5B-SB-7.5-8.5

Collected: 1/13/2011 9:48:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.286	JB	0.0280	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.143	JB	0.0110	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0284	JB	0.0137	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0404	JB	0.0109	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0347	JBQ	0.0183	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0296	JB	0.0102	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0584	JBQ	0.0169	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0298	JBQ	0.0108	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0132	JBQ	0.00777	MDL	5.80	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0375	JBQ	0.0103	MDL	5.80	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0416	JBQ	0.00766	MDL	5.80	PQL	ng/Kg	U	B
OCDD	1.50	JB	0.0222	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.189	JB	0.0242	MDL	11.6	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_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	Matrix Spike Precision
F	Equipment Blank Contamination
F	Field Blank Contamination

Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation

Data Qualifier Summary

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

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

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX037

Method Blank Outlier Report

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371653	1/31/2011 4:53:00 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	0.176 ng/Kg 0.156 ng/Kg 0.0445 ng/Kg 0.0187 ng/Kg 0.0420 ng/Kg 0.0201 ng/Kg 0.0468 ng/Kg 0.0241 ng/Kg 0.0478 ng/Kg 0.0248 ng/Kg 0.0556 ng/Kg 0.0623 ng/Kg 0.0273 ng/Kg 0.416 ng/Kg 0.181 ng/Kg	DUP18-SA5B-QC-011211 SL-053-SA5B-SB-1.8-2.8 SL-054-SA5B-SB-3.0-4.0 SL-073-SA5B-SB-4.0-5.0 SL-074-SA5B-SB-4.0-5.0 SL-074-SA5B-SB-7.0-8.0 SL-095-SA5B-SB-4.0-5.0 SL-096-SA5B-SB-2.0-3.0 SL-105-SA5B-SB-4.0-5.0 SL-106-SA5B-SB-4.0-5.0 SL-107-SA5B-SB-4.0-5.0 SL-108-SA5B-SB-4.0-5.0 SL-109-SA5B-SB-4.0-5.0 SL-110-SA5B-SB-4.0-5.0 SL-111-SA5B-SB-4.0-5.0 SL-111-SA5B-SB-9.0-10.0 SL-240-SA5B-SB-4.0-5.0 SL-240-SA5B-SB-9.0-10.0 SL-301-SA5B-SB-4.0-5.0 SL-301-SA5B-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
DUP18-SA5B-QC-011211(RES)	1,2,3,4,7,8,9-HPCDF	0.151 ng/Kg	0.151U ng/Kg
DUP18-SA5B-QC-011211(RES)	1,2,3,4,7,8-HxCDF	0.149 ng/Kg	0.149U ng/Kg
DUP18-SA5B-QC-011211(RES)	1,2,3,6,7,8-HxCDF	0.107 ng/Kg	0.107U ng/Kg
DUP18-SA5B-QC-011211(RES)	1,2,3,7,8,9-HxCDF	0.149 ng/Kg	0.149U ng/Kg
DUP18-SA5B-QC-011211(RES)	2,3,4,6,7,8-HxCDF	0.144 ng/Kg	0.144U ng/Kg
DUP18-SA5B-QC-011211(RES)	2,3,4,7,8-PECDF	0.128 ng/Kg	0.128U ng/Kg
SL-053-SA5B-SB-1.8-2.8(RES)	1,2,3,4,7,8-HxCDF	0.130 ng/Kg	0.130U ng/Kg
SL-053-SA5B-SB-1.8-2.8(RES)	1,2,3,6,7,8-HxCDF	0.137 ng/Kg	0.137U ng/Kg
SL-053-SA5B-SB-1.8-2.8(RES)	1,2,3,7,8,9-HxCDF	0.0786 ng/Kg	0.0786U ng/Kg
SL-053-SA5B-SB-1.8-2.8(RES)	1,2,3,7,8-PECDF	0.0859 ng/Kg	0.0859U ng/Kg
SL-053-SA5B-SB-1.8-2.8(RES)	2,3,4,6,7,8-HxCDF	0.234 ng/Kg	0.234U ng/Kg
SL-053-SA5B-SB-1.8-2.8(RES)	2,3,4,7,8-PECDF	0.116 ng/Kg	0.116U ng/Kg
SL-053-SA5B-SB-1.8-2.8(RES)	2,3,7,8-TCDD	0.0251 ng/Kg	0.0251U ng/Kg
SL-054-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HxCDF	0.115 ng/Kg	0.115U ng/Kg
SL-054-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HxCDF	0.0973 ng/Kg	0.0973U ng/Kg
SL-054-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HxCDF	0.0823 ng/Kg	0.0823U ng/Kg
SL-054-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0807 ng/Kg	0.0807U ng/Kg
SL-054-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HxCDF	0.170 ng/Kg	0.170U ng/Kg
SL-054-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0738 ng/Kg	0.0738U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.378 ng/Kg	0.378U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.138 ng/Kg	0.138U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0326 ng/Kg	0.0326U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0470 ng/Kg	0.0470U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0450 ng/Kg	0.0450U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0564 ng/Kg	0.0564U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0810 ng/Kg	0.0810U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0644 ng/Kg	0.0644U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_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-073-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0490 ng/Kg	0.0490U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0552 ng/Kg	0.0552U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0786 ng/Kg	0.0786U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	OCDD	0.895 ng/Kg	0.895U ng/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	OCDF	0.170 ng/Kg	0.170U ng/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.281 ng/Kg	0.281U ng/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.176 ng/Kg	0.176U ng/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0519 ng/Kg	0.0519U ng/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0379 ng/Kg	0.0379U ng/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0709 ng/Kg	0.0709U ng/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0392 ng/Kg	0.0392U ng/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.153 ng/Kg	0.153U ng/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0422 ng/Kg	0.0422U ng/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0420 ng/Kg	0.0420U ng/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	OCDD	1.23 ng/Kg	1.23U ng/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	OCDF	0.174 ng/Kg	0.174U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	0.212 ng/Kg	0.212U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.162 ng/Kg	0.162U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0373 ng/Kg	0.0373U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.0260 ng/Kg	0.0260U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDF	0.0256 ng/Kg	0.0256U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDD	0.0369 ng/Kg	0.0369U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.0314 ng/Kg	0.0314U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.0139 ng/Kg	0.0139U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.0457 ng/Kg	0.0457U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0711 ng/Kg	0.0711U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	OCDD	0.647 ng/Kg	0.647U ng/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	OCDF	0.175 ng/Kg	0.175U ng/Kg
SL-095-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.758 ng/Kg	0.758U ng/Kg
SL-095-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0757 ng/Kg	0.0757U ng/Kg
SL-095-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDD	0.0647 ng/Kg	0.0647U ng/Kg
SL-095-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0989 ng/Kg	0.0989U ng/Kg
SL-095-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0410 ng/Kg	0.0410U ng/Kg
SL-095-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0688 ng/Kg	0.0688U ng/Kg
SL-095-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0683 ng/Kg	0.0683U ng/Kg
SL-095-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0715 ng/Kg	0.0715U ng/Kg
SL-095-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.136 ng/Kg	0.136U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.273 ng/Kg	0.273U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.145 ng/Kg	0.145U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0402 ng/Kg	0.0402U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_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-096-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDD	0.0275 ng/Kg	0.0275U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDF	0.0622 ng/Kg	0.0622U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDD	0.0569 ng/Kg	0.0569U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDF	0.0491 ng/Kg	0.0491U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HxCDD	0.0412 ng/Kg	0.0412U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HxCDF	0.0573 ng/Kg	0.0573U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0868 ng/Kg	0.0868U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HxCDF	0.0629 ng/Kg	0.0629U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.112 ng/Kg	0.112U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	2,3,7,8-TCDD	0.0535 ng/Kg	0.0535U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	OCDD	1.87 ng/Kg	1.87U ng/Kg
SL-096-SA5B-SB-2.0-3.0(RES)	OCDF	0.212 ng/Kg	0.212U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.211 ng/Kg	0.211U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.199 ng/Kg	0.199U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0683 ng/Kg	0.0683U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0389 ng/Kg	0.0389U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0290 ng/Kg	0.0290U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0306 ng/Kg	0.0306U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0385 ng/Kg	0.0385U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0184 ng/Kg	0.0184U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0131 ng/Kg	0.0131U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0513 ng/Kg	0.0513U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0524 ng/Kg	0.0524U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	OCDD	0.934 ng/Kg	0.934U ng/Kg
SL-105-SA5B-SB-4.0-5.0(RES)	OCDF	0.175 ng/Kg	0.175U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.217 ng/Kg	0.217U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.116 ng/Kg	0.116U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0289 ng/Kg	0.0289U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0123 ng/Kg	0.0123U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0438 ng/Kg	0.0438U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0267 ng/Kg	0.0267U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0326 ng/Kg	0.0326U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0219 ng/Kg	0.0219U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0329 ng/Kg	0.0329U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0212 ng/Kg	0.0212U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0327 ng/Kg	0.0327U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0421 ng/Kg	0.0421U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	OCDD	0.892 ng/Kg	0.892U ng/Kg
SL-106-SA5B-SB-4.0-5.0(RES)	OCDF	0.142 ng/Kg	0.142U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.265 ng/Kg	0.265U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_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-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.154 ng/Kg	0.154U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0553 ng/Kg	0.0553U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0259 ng/Kg	0.0259U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0469 ng/Kg	0.0469U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0215 ng/Kg	0.0215U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0370 ng/Kg	0.0370U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0416 ng/Kg	0.0416U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0450 ng/Kg	0.0450U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0191 ng/Kg	0.0191U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0550 ng/Kg	0.0550U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0508 ng/Kg	0.0508U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0160 ng/Kg	0.0160U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	OCDD	0.782 ng/Kg	0.782U ng/Kg
SL-107-SA5B-SB-4.0-5.0(RES)	OCDF	0.203 ng/Kg	0.203U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.301 ng/Kg	0.301U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.137 ng/Kg	0.137U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0304 ng/Kg	0.0304U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0146 ng/Kg	0.0146U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0291 ng/Kg	0.0291U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0310 ng/Kg	0.0310U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0263 ng/Kg	0.0263U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0276 ng/Kg	0.0276U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0251 ng/Kg	0.0251U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0134 ng/Kg	0.0134U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0391 ng/Kg	0.0391U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0423 ng/Kg	0.0423U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	OCDD	1.67 ng/Kg	1.67U ng/Kg
SL-108-SA5B-SB-4.0-5.0(RES)	OCDF	0.164 ng/Kg	0.164U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.266 ng/Kg	0.266U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.154 ng/Kg	0.154U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0285 ng/Kg	0.0265U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0362 ng/Kg	0.0362U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0462 ng/Kg	0.0462U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0396 ng/Kg	0.0396U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0433 ng/Kg	0.0433U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0448 ng/Kg	0.0448U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0342 ng/Kg	0.0342U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0728 ng/Kg	0.0728U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0548 ng/Kg	0.0548U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0972 ng/Kg	0.0972U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_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-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0246 ng/Kg	0.0246U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	OCDD	1.60 ng/Kg	1.60U ng/Kg
SL-109-SA5B-SB-4.0-5.0(RES)	OCDF	0.168 ng/Kg	0.168U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.193 ng/Kg	0.193U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.218 ng/Kg	0.218U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0572 ng/Kg	0.0572U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0143 ng/Kg	0.0143U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0387 ng/Kg	0.0387U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0162 ng/Kg	0.0162U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0332 ng/Kg	0.0332U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0233 ng/Kg	0.0233U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0237 ng/Kg	0.0237U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0229 ng/Kg	0.0229U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0610 ng/Kg	0.0610U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0607 ng/Kg	0.0607U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	OCDD	0.870 ng/Kg	0.870U ng/Kg
SL-110-SA5B-SB-4.0-5.0(RES)	OCDF	0.164 ng/Kg	0.164U ng/Kg
SL-111-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.184 ng/Kg	0.184U ng/Kg
SL-111-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.293 ng/Kg	0.293U ng/Kg
SL-111-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.147 ng/Kg	0.147U ng/Kg
SL-111-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.120 ng/Kg	0.120U ng/Kg
SL-111-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0833 ng/Kg	0.0833U ng/Kg
SL-111-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0708 ng/Kg	0.0708U ng/Kg
SL-111-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0419 ng/Kg	0.0419U ng/Kg
SL-111-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.138 ng/Kg	0.138U ng/Kg
SL-111-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0607 ng/Kg	0.0607U ng/Kg
SL-111-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0217 ng/Kg	0.0217U ng/Kg
SL-240-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.181 ng/Kg	0.181U ng/Kg
SL-240-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.261 ng/Kg	0.261U ng/Kg
SL-240-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.110 ng/Kg	0.110U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.242 ng/Kg	0.242U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.179 ng/Kg	0.179U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0427 ng/Kg	0.0427U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0372 ng/Kg	0.0372U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0342 ng/Kg	0.0342U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0338 ng/Kg	0.0338U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0348 ng/Kg	0.0348U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0107 ng/Kg	0.0107U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0417 ng/Kg	0.0417U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0432 ng/Kg	0.0432U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_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-240-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0691 ng/Kg	0.0691U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0336 ng/Kg	0.0336U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	OCDD	1.24 ng/Kg	1.24U ng/Kg
SL-240-SA5B-SB-9.0-10.0(RES)	OCDF	0.176 ng/Kg	0.176U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.286 ng/Kg	0.286U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.129 ng/Kg	0.129U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0262 ng/Kg	0.0262U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0227 ng/Kg	0.0227U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0245 ng/Kg	0.0245U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0341 ng/Kg	0.0341U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0287 ng/Kg	0.0287U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.154 ng/Kg	0.154U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0316 ng/Kg	0.0316U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0386 ng/Kg	0.0386U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0457 ng/Kg	0.0457U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	OCDD	1.47 ng/Kg	1.47U ng/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	OCDF	0.170 ng/Kg	0.170U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDD	0.286 ng/Kg	0.286U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDF	0.143 ng/Kg	0.143U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0284 ng/Kg	0.0284U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	1,2,3,4,7,8-HxCDF	0.0404 ng/Kg	0.0404U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	1,2,3,6,7,8-HxCDD	0.0347 ng/Kg	0.0347U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	1,2,3,6,7,8-HxCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	1,2,3,7,8,9-HxCDD	0.0584 ng/Kg	0.0584U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	1,2,3,7,8,9-HxCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	1,2,3,7,8-PECDF	0.0132 ng/Kg	0.0132U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	2,3,4,6,7,8-HxCDF	0.0375 ng/Kg	0.0375U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	2,3,4,7,8-PECDF	0.0416 ng/Kg	0.0416U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	OCDD	1.50 ng/Kg	1.50U ng/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	OCDF	0.189 ng/Kg	0.189U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_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-095-SA5B-SB-4.0-5.0MS SL-095-SA5B-SB-4.0-5.0MSD (SL-095-SA5B-SB-4.0-5.0)	OCDD	169	-	40.00-135.00	39 (20.00)	OCDD	J (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-095-SA5B-SB-4.0- 5.0	DUP18-SA5B-QC- 011211			
MOISTURE	12.3	13.2	7		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-095-SA5B-SB-4.0- 5.0	DUP18-SA5B-QC- 011211			
1,2,3,4,6,7,8-HPCDF	0.758	1.22	47	50.00	No Qualifiers Applied
1,2,3,4,7,8-HxCDD	0.0647	0.101	44	50.00	
1,2,3,4,7,8-HXCDF	0.0989	0.149	40	50.00	
2,3,4,7,8-PECDF	0.136	0.128	6	50.00	
1,2,3,4,6,7,8-HPCDD	3.95	8.19	70	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,7,8,9-HPCDF	0.0757	0.151	66	50.00	
1,2,3,6,7,8-HxCDD	0.169	0.407	83	50.00	
1,2,3,6,7,8-HXCDF	0.0410	0.107	89	50.00	
1,2,3,7,8,9-HxCDD	0.150	0.360	82	50.00	
1,2,3,7,8,9-HXCDF	0.0688	0.149	74	50.00	
1,2,3,7,8-PECDD	0.0322	0.117	114	50.00	
1,2,3,7,8-PECDF	0.0683	0.132	64	50.00	
2,3,4,6,7,8-HXCDF	0.0715	0.144	67	50.00	
2,3,7,8-TCDF	1.14 U	0.105	200	50.00	
OCDD	43.7	88.9	68	50.00	
OCDF	1.76	3.50	66	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP18-SA5B-QC-011211	1,2,3,4,6,7,8-HPCDF	JB	1.22	5.76	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.151	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.101	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.149	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.407	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.107	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.360	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.149	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.117	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.132	5.76	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.144	5.76	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.128	5.76	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.105	1.15	PQL	ng/Kg	
	OCDF	JB	3.50	11.5	PQL	ng/Kg	
SL-053-SA5B-SB-1.8-2.8	1,2,3,4,6,7,8-HPCDF	JB	2.86	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.320	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.241	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.130	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.23	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.137	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.467	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0786	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.114	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0859	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.234	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.116	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0251	1.12	PQL	ng/Kg	
	OCDF	JB	7.20	11.2	PQL	ng/Kg	
SL-054-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDF	JB	1.99	5.76	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.239	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.203	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.115	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.902	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0973	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.378	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0823	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0717	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0807	5.76	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.170	5.76	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0738	5.76	PQL	ng/Kg	
	OCDF	JB	4.75	11.5	PQL	ng/Kg	
SL-073-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.378	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.138	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0326	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0470	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0450	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0564	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0810	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0644	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0353	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0490	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0552	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0786	5.71	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0242	1.14	PQL	ng/Kg	
	OCDD	JBQ	0.895	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.170	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-074-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.281	5.80	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.176	5.80	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0519	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0379	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0709	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0392	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	JBQ	0.153	5.80	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0422	5.80	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0420	5.80	PQL	ng/Kg	
	OCDD	JB	1.23	11.6	PQL	ng/Kg	
	OCDF	JB	0.174	11.6	PQL	ng/Kg	
SL-074-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.212	5.90	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.162	5.90	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0373	5.90	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0260	5.90	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0256	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0369	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0314	5.90	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0139	5.90	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0457	5.90	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0711	5.90	PQL	ng/Kg	
	OCDD	JB	0.647	11.8	PQL	ng/Kg	
	OCDF	JBQ	0.175	11.8	PQL	ng/Kg	
SL-095-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	3.95	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.758	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0757	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0647	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0989	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.169	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0410	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.150	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0688	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0322	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0683	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0715	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.136	5.70	PQL	ng/Kg	
	OCDF	JB	1.76	11.4	PQL	ng/Kg	
SL-096-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.273	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.145	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0402	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0275	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0622	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0569	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0491	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0412	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0573	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0805	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0868	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0629	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.112	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0535	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0220	1.10	PQL	ng/Kg	
	OCDD	JB	1.87	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.212	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-105-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.211	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.199	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0683	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0389	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0290	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0306	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0385	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0184	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0160	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0131	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0513	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0524	5.62	PQL	ng/Kg	
	OCDD	JB	0.934	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.175	11.2	PQL	ng/Kg	
SL-106-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.217	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.116	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0299	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0123	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0438	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0267	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0326	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0219	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0329	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0259	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0212	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0327	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0421	5.38	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0168	1.08	PQL	ng/Kg	
	OCDD	JB	0.892	10.8	PQL	ng/Kg	
	OCDF	JB	0.142	10.8	PQL	ng/Kg	
SL-107-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.265	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.154	5.75	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0553	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0259	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0469	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0215	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0370	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0416	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0450	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0140	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0191	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0550	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0508	5.75	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0160	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0115	1.15	PQL	ng/Kg	
	OCDD	JB	0.782	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.203	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-108-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.301	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.137	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0304	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0146	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0291	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0310	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0263	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0276	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0251	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0134	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0391	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0423	5.51	PQL	ng/Kg	
	OCDD	JB	1.67	11.0	PQL	ng/Kg	
	OCDF	JB	0.164	11.0	PQL	ng/Kg	
SL-109-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.266	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.154	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0265	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0362	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0462	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0396	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0433	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0448	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0342	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0475	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0728	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0548	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0972	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0246	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0170	1.13	PQL	ng/Kg	
	OCDD	JB	1.60	11.3	PQL	ng/Kg	
	OCDF	JB	0.168	11.3	PQL	ng/Kg	
SL-110-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.193	5.32	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.218	5.32	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0572	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0143	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0387	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0162	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0332	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0233	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0237	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0224	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0229	5.32	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0610	5.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0607	5.32	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0101	1.06	PQL	ng/Kg	
	OCDD	JB	0.870	10.6	PQL	ng/Kg	
	OCDF	JB	0.164	10.6	PQL	ng/Kg	
SL-111-SA5B-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	0.688	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.446	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.376	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	1.98	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.292	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.854	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.184	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.151	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.213	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.426	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.293	5.64	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-111-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	1.38	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.147	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.128	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.120	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.593	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0833	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.286	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0708	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0688	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0419	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.138	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0607	5.68	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0217	1.14	PQL	ng/Kg	
	OCDF	JB	3.68	11.4	PQL	ng/Kg	
SL-240-SA5B-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	0.825	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.874	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.556	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.83	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.463	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.50	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.181	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.427	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.398	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.700	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.261	5.73	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.110	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0789	1.15	PQL	ng/Kg	
SL-240-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.242	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.179	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0427	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0372	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0342	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0338	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0348	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0107	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0417	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0432	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0691	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0336	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0177	1.10	PQL	ng/Kg	
	OCDD	JB	1.24	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.176	11.0	PQL	ng/Kg	
SL-301-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.286	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.129	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0262	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0227	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0245	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0341	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0287	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.156	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.154	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0350	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0316	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0386	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0457	5.61	PQL	ng/Kg	
	OCDD	JB	1.47	11.2	PQL	ng/Kg	
	OCDF	JB	0.170	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX037

Laboratory: LL

EDD Filename: DX037_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-301-SA5B-SB-7.5-8.5	1,2,3,4,6,7,8-HPCDD	JB	0.286	5.80	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.143	5.80	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0284	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0404	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0347	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0296	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0584	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0298	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0132	5.80	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0375	5.80	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0416	5.80	PQL	ng/Kg	
	OCDD	JB	1.50	11.6	PQL	ng/Kg	
	OCDF	JB	0.189	11.6	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX038

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-Jan-2011	SL-087-SA5B-SB-3.0-4.0	6182716	N	METHOD	1613B	III
11-Jan-2011	SL-100-SA5B-SB-4.0-5.0	6182715	N	METHOD	1613B	III
11-Jan-2011	SL-099-SA5B-SB-4.0-5.0	6182714	N	METHOD	1613B	III
11-Jan-2011	SL-088-SA5B-SB-3.0-4.0	6182718	N	METHOD	1613B	III
11-Jan-2011	SL-085-SA5B-SB-3.0-4.0	6182717	N	METHOD	1613B	III
11-Jan-2011	SL-090-SA5B-SB-2.5-3.5	6182720	N	METHOD	1613B	III
11-Jan-2011	SL-089-SA5B-SB-4.0-5.0	6182719	N	METHOD	1613B	III
11-Jan-2011	SL-091-SA5B-SB-4.0-5.0	6182721	N	METHOD	1613B	III
11-Jan-2011	SL-093-SA5B-SB-3.0-4.0	6182724	N	METHOD	1613B	III
11-Jan-2011	SL-086-SA5B-SB-4.0-5.0	6182722	N	METHOD	1613B	III
11-Jan-2011	SL-094-SA5B-SB-4.0-5.0	6182723	N	METHOD	1613B	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183576	N	METHOD	1613B	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183577	N	METHOD	1613B	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183573	N	METHOD	1613B	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10.0	6183574	N	METHOD	1613B	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183578	N	METHOD	1613B	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183575	N	METHOD	1613B	III
13-Jan-2011	EB21-SA5B-011311	6183581	EB	METHOD	1613B	III
13-Jan-2011	EB20-SA5B-011311	6183580	EB	METHOD	1613B	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183579	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB20-SA5B-011311

Collected: 1/13/2011 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	2.25	JB	0.287	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	3.35	JB	0.147	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.385	JBQ	0.180	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.167	JBQ	0.145	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.640	JBQ	0.158	MDL	10.9	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.509	JBQ	0.150	MDL	10.9	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.378	JBQ	0.145	MDL	10.9	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.189	JQ	0.143	MDL	10.9	PQL	pg/L	J	Z
1,2,3,7,8-PECDF	0.132	JBQ	0.0897	MDL	10.9	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.725	JB	0.138	MDL	10.9	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.481	JBQ	0.0832	MDL	10.9	PQL	pg/L	U	B
OCDD	5.27	JB	0.306	MDL	21.7	PQL	pg/L	U	B
OCDF	2.41	JB	0.293	MDL	21.7	PQL	pg/L	U	B

Sample ID: EB21-SA5B-011311

Collected: 1/13/2011 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-HPCDD	1.75	JBQ	0.319	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	3.69	JBQ	0.144	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.282	JBQ	0.160	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.477	JBQ	0.149	MDL	10.2	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.581	JBQ	0.141	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.360	JQ	0.177	MDL	10.2	PQL	pg/L	J	Z
1,2,3,7,8,9-HXCDF	0.313	JBQ	0.150	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.173	JBQ	0.103	MDL	10.2	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.656	JBQ	0.134	MDL	10.2	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.660	JBQ	0.0953	MDL	10.2	PQL	pg/L	U	B
OCDD	4.78	JB	0.387	MDL	20.3	PQL	pg/L	U	B
OCDF	2.42	JBQ	0.302	MDL	20.3	PQL	pg/L	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SED-009-SIV-SD-0.0-0.5

Collected: 1/13/2011 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	1.52	JB	0.0378	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.158	JB	0.0489	MDL	6.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.183	JQ	0.0590	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.531	JBQ	0.0460	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.490	JQ	0.0620	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.282	JBQ	0.0401	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.354	JQ	0.0575	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0676	JBQ	0.0452	MDL	6.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.245	JQ	0.0590	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.618	J	0.0618	MDL	6.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.275	JBQ	0.0405	MDL	6.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.956	J	0.0582	MDL	6.54	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.338	JQ	0.162	MDL	1.31	PQL	ng/Kg	J	Z
OCDF	2.84	JB	0.0610	MDL	13.1	PQL	ng/Kg	J	Z

Sample ID: SED-028-SIV-SD-0.0-0.5

Collected: 1/13/2011 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	2.91	JB	0.0559	MDL	7.08	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.663	JB	0.0235	MDL	7.08	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0991	JBQ	0.0343	MDL	7.08	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.123	J	0.0441	MDL	7.08	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.163	JBQ	0.0303	MDL	7.08	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.226	J	0.0443	MDL	7.08	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0995	JBQ	0.0266	MDL	7.08	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.156	J	0.0452	MDL	7.08	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.206	J	0.0320	MDL	7.08	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.137	JBQ	0.0279	MDL	7.08	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.266	JQ	0.0313	MDL	7.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0948	J	0.0707	MDL	1.42	PQL	ng/Kg	J	Z
OCDF	1.72	JB	0.0690	MDL	14.2	PQL	ng/Kg	J	Z

Sample ID: SL-085-SA5B-SB-3.0-4.0

Collected: 1/11/2011 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	0.299	JB	0.0519	MDL	5.42	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-085-SA5B-SB-3.0-4.0

Collected: 1/11/2011 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-HPCDF	0.337	JB	0.0349	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.127	JB	0.0484	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0421	JQ	0.0353	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.0511	JQ	0.0355	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0814	JB	0.0251	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0533	JQ	0.0343	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0607	JB	0.0290	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.125	JBQ	0.0254	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,7,8-PCDF	0.0604	JQ	0.0260	MDL	5.42	PQL	ng/Kg	J	Z
OCDD	1.00	JB	0.0431	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.383	JBQ	0.0694	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-086-SA5B-SB-4.0-5.0

Collected: 1/11/2011 4:00:00

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	0.189	JB	0.0368	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.319	JB	0.0172	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0381	JB	0.0220	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0638	JB	0.0228	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0427	JBQ	0.0182	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0263	JQ	0.0244	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0245	JB	0.0208	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PCDF	0.0420	JQ	0.0182	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0787	JBQ	0.0189	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PCDF	0.0742	JQ	0.0180	MDL	5.61	PQL	ng/Kg	J	Z
OCDD	0.706	JB	0.0443	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.288	JBQ	0.0494	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-087-SA5B-SB-3.0-4.0

Collected: 1/11/2011 9:08:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.335	JBQ	0.0423	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.383	JB	0.0197	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0389	JBQ	0.0240	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0494	JB	0.0214	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0390	JQ	0.0250	MDL	5.38	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-087-SA5B-SB-3.0-4.0

Collected: 1/11/2011 9:08:00

Analysis 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	0.0478	JB	0.0168	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0358	JB	0.0185	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0396	JQ	0.0186	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0917	JBQ	0.0173	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0969	J	0.0178	MDL	5.38	PQL	ng/Kg	J	Z
OCDD	1.10	JB	0.0340	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.332	JBQ	0.0538	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-088-SA5B-SB-3.0-4.0

Collected: 1/11/2011 10:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.16	JB	0.0509	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.354	JB	0.0606	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.268	J	0.0666	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.556	JB	0.0491	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.41	J	0.0658	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.391	JB	0.0431	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.14	J	0.0629	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.210	JBQ	0.0460	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.222	JQ	0.0538	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.577	J	0.0377	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.347	JBQ	0.0417	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.470	J	0.0363	MDL	5.58	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0924	J	0.0840	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	6.13	JB	0.0662	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-089-SA5B-SB-4.0-5.0

Collected: 1/11/2011 2:04:00

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	0.309	JB	0.0500	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.319	JBQ	0.0244	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0446	JB	0.0309	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0719	JB	0.0239	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0520	JBQ	0.0202	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0456	JQ	0.0278	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0434	JB	0.0222	MDL	5.75	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-089-SA5B-SB-4.0-5.0

Collected: 1/11/2011 2:04:00

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	0.0928	JBQ	0.0198	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0793	JQ	0.0209	MDL	5.75	PQL	ng/Kg	J	Z
OCDD	1.40	JB	0.0608	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.349	JB	0.0610	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-090-SA5B-SB-2.5-3.5

Collected: 1/11/2011 1:05:00

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	1.93	JB	0.0475	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.472	JBQ	0.0199	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0474	JBQ	0.0283	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0304	JQ	0.0275	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0846	JB	0.0232	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.102	J	0.0285	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0780	JBQ	0.0187	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0954	J	0.0266	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0690	JB	0.0217	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0678	J	0.0178	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.107	JB	0.0185	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0743	JQ	0.0168	MDL	5.46	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0349	JQ	0.0349	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	1.04	JB	0.0552	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-091-SA5B-SB-4.0-5.0

Collected: 1/11/2011 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	0.288	JB	0.0444	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.364	JB	0.0212	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0822	JBQ	0.0305	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0847	JBQ	0.0267	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0714	JQ	0.0337	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0847	JBQ	0.0233	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0444	JBQ	0.0270	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.110	JQ	0.0392	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0981	JQ	0.0230	MDL	5.69	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.104	JBQ	0.0246	MDL	5.69	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-091-SA5B-SB-4.0-5.0

Collected: 1/11/2011 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
2,3,4,7,8-PECDF	0.126	J	0.0224	MDL	5.69	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0666	JQ	0.0412	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0410	JQ	0.0395	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	0.882	JB	0.0499	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.283	JB	0.0630	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-093-SA5B-SB-3.0-4.0

Collected: 1/11/2011 3:26:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.174	JB	0.0327	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.123	JBQ	0.0137	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0260	JBQ	0.0192	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0298	JBQ	0.0154	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0422	JQ	0.0265	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0271	JBQ	0.0136	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0709	J	0.0247	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0303	JBQ	0.0155	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0169	JQ	0.0144	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0414	JBQ	0.0143	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0536	JQ	0.0147	MDL	5.49	PQL	ng/Kg	J	Z
OCDD	0.774	JB	0.0393	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.110	JB	0.0465	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-094-SA5B-SB-4.0-5.0

Collected: 1/11/2011 4:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.207	JB	0.0368	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.112	JB	0.0145	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0255	JB	0.0206	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0411	JBQ	0.0155	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0197	JBQ	0.0134	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0340	JQ	0.0246	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0228	JBQ	0.0157	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0332	JQ	0.0309	MDL	5.77	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0346	JBQ	0.0147	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0469	J	0.0185	MDL	5.77	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-094-SA5B-SB-4.0-5.0

Collected: 1/11/2011 4:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	0.897	JBQ	0.0397	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.189	JB	0.0521	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-099-SA5B-SB-4.0-5.0

Collected: 1/11/2011 10:26:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.253	JB	0.0465	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.284	JBQ	0.0257	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0511	JBQ	0.0344	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0828	JB	0.0310	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0563	JBQ	0.0244	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0233	JQ	0.0228	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0541	JBQ	0.0234	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0737	JQ	0.0233	MDL	5.73	PQL	ng/Kg	J	Z
OCDD	1.35	JB	0.0450	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.266	JBQ	0.0719	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-100-SA5B-SB-4.0-5.0

Collected: 1/11/2011 9:22:00

Analysis Type: RES

Dilution: 1

Analyte	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	0.0568	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.382	JB	0.0203	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0597	JBQ	0.0261	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0561	JBQ	0.0288	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.103	J	0.0349	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0717	JBQ	0.0227	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0675	J	0.0337	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0342	JBQ	0.0252	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0295	JQ	0.0190	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0839	JBQ	0.0218	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0513	JQ	0.0185	MDL	5.48	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0367	JQ	0.0350	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0334	JQ	0.0329	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	6.10	JB	0.0276	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.316	JB	0.0559	MDL	11.0	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-119-SA5B-SB-3.0-4.0

Collected: 1/13/2011 8:53:00

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	0.214	JBQ	0.0410	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.126	JB	0.0125	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0376	JBQ	0.0186	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0347	JQ	0.0261	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0324	JBQ	0.0164	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0680	JQ	0.0273	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0460	JBQ	0.0186	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0519	JQ	0.0197	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0483	JB	0.0179	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0930	JQ	0.0186	MDL	5.63	PQL	ng/Kg	J	Z
OCDD	0.808	JB	0.0343	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.238	JBQ	0.0453	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-120-SA5B-SB-3.0-4.0

Collected: 1/13/2011 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	0.295	JB	0.0420	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.122	JBQ	0.0150	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0263	JBQ	0.0212	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0421	JQ	0.0338	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0429	JBQ	0.0184	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0544	JQ	0.0366	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0319	JBQ	0.0161	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0957	JQ	0.0348	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0354	JB	0.0188	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0551	JQ	0.0442	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0322	JQ	0.0195	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0440	JB	0.0173	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0688	JQ	0.0200	MDL	5.49	PQL	ng/Kg	J	Z
OCDD	0.757	JB	0.0338	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.201	JB	0.0532	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-121-SA5B-SB-4.0-5.0

Collected: 1/13/2011 10:22:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.218	JBQ	0.0304	MDL	5.41	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-121-SA5B-SB-4.0-5.0

Collected: 1/13/2011 10:22:00

Analysis Type: RES

Dilution: 1

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	0.106	JBQ	0.0111	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0261	JBQ	0.0162	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0285	JB	0.0137	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0269	JQ	0.0215	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0201	JBQ	0.0123	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.142	J	0.0211	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.133	JBQ	0.0137	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0357	JB	0.0125	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0329	JQ	0.0148	MDL	5.41	PQL	ng/Kg	J	Z
OCDD	1.12	JB	0.0325	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.131	JBQ	0.0402	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-121-SA5B-SB-9.0-10.0

Collected: 1/13/2011 10:27:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.369	JBQ	0.0639	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.124	JB	0.0195	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0386	JBQ	0.0270	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0730	JQ	0.0494	MDL	6.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0525	JB	0.0204	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0733	JQ	0.0473	MDL	6.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0390	JBQ	0.0239	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0708	JQ	0.0500	MDL	6.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0354	JBQ	0.0210	MDL	6.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0657	JQ	0.0270	MDL	6.49	PQL	ng/Kg	J	Z
OCDD	0.943	JB	0.0394	MDL	13.0	PQL	ng/Kg	U	B
OCDF	0.158	JB	0.0629	MDL	13.0	PQL	ng/Kg	U	B

Sample ID: SL-122-SA5B-SB-2.0-3.0

Collected: 1/13/2011 1:39:00

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	0.411	JBQ	0.0571	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.124	JB	0.0138	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0358	JB	0.0212	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0370	JBQ	0.0226	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.466	JQ	0.0468	MDL	5.79	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-122-SA5B-SB-2.0-3.0

Collected: 1/13/2011 1:39:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.121	JBQ	0.0196	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.560	JQ	0.0446	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.105	JB	0.0238	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0513	JQ	0.0388	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0221	JBQ	0.0202	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0554	JQ	0.0195	MDL	5.79	PQL	ng/Kg	J	Z
OCDD	4.24	JB	0.0490	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.418	JB	0.0530	MDL	11.6	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_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	Matrix Spike Precision
F	Equipment Blank Contamination
F	Field Blank Contamination

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation

Data Qualifier Summary

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

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

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX038

Method Blank Outlier Report

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB372156	2/2/2011 9:56:00 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-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	1.97 pg/L 3.23 pg/L 0.279 pg/L 0.161 pg/L 0.784 pg/L 0.155 pg/L 0.463 pg/L 0.178 pg/L 0.265 pg/L 0.284 pg/L 0.865 pg/L 0.530 pg/L 0.291 pg/L 4.75 pg/L 2.06 pg/L	EB20-SA5B-011311 EB21-SA5B-011311

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-SA5B-011311(RES)	1,2,3,4,6,7,8-HPCDD	2.25 pg/L	2.25U pg/L
EB20-SA5B-011311(RES)	1,2,3,4,6,7,8-HPCDF	3.35 pg/L	3.35U pg/L
EB20-SA5B-011311(RES)	1,2,3,4,7,8,9-HPCDF	0.385 pg/L	0.385U pg/L
EB20-SA5B-011311(RES)	1,2,3,4,7,8-HxCDD	0.167 pg/L	0.167U pg/L
EB20-SA5B-011311(RES)	1,2,3,4,7,8-HxCDF	0.640 pg/L	0.640U pg/L
EB20-SA5B-011311(RES)	1,2,3,6,7,8-HxCDD	0.509 pg/L	0.509U pg/L
EB20-SA5B-011311(RES)	1,2,3,6,7,8-HxCDF	0.378 pg/L	0.378U pg/L
EB20-SA5B-011311(RES)	1,2,3,7,8-PECDF	0.132 pg/L	0.132U pg/L
EB20-SA5B-011311(RES)	2,3,4,6,7,8-HxCDF	0.725 pg/L	0.725U pg/L
EB20-SA5B-011311(RES)	2,3,4,7,8-PECDF	0.481 pg/L	0.481U pg/L
EB20-SA5B-011311(RES)	OCDD	5.27 pg/L	5.27U pg/L
EB20-SA5B-011311(RES)	OCDF	2.41 pg/L	2.41U pg/L
EB21-SA5B-011311(RES)	1,2,3,4,6,7,8-HPCDD	1.75 pg/L	1.75U pg/L
EB21-SA5B-011311(RES)	1,2,3,4,6,7,8-HPCDF	3.69 pg/L	3.69U pg/L
EB21-SA5B-011311(RES)	1,2,3,4,7,8,9-HPCDF	0.282 pg/L	0.282U pg/L
EB21-SA5B-011311(RES)	1,2,3,4,7,8-HxCDF	0.477 pg/L	0.477U pg/L
EB21-SA5B-011311(RES)	1,2,3,6,7,8-HxCDF	0.581 pg/L	0.581U pg/L
EB21-SA5B-011311(RES)	1,2,3,7,8,9-HxCDF	0.313 pg/L	0.313U pg/L
EB21-SA5B-011311(RES)	1,2,3,7,8-PECDF	0.173 pg/L	0.173U pg/L
EB21-SA5B-011311(RES)	2,3,4,6,7,8-HxCDF	0.656 pg/L	0.656U pg/L
EB21-SA5B-011311(RES)	2,3,4,7,8-PECDF	0.660 pg/L	0.660U pg/L
EB21-SA5B-011311(RES)	OCDD	4.78 pg/L	4.78U pg/L
EB21-SA5B-011311(RES)	OCDF	2.42 pg/L	2.42U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX038

EDD Filename: DX038_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB372247	2/1/2011 10:47:00 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-HXCDF 1,2,3,7,8,9-HXCDF 2,3,4,6,7,8-HXCDF OCDD OCDF	0.231 ng/Kg 0.285 ng/Kg 0.0343 ng/Kg 0.0920 ng/Kg 0.0350 ng/Kg 0.0311 ng/Kg 0.0717 ng/Kg 0.604 ng/Kg 0.323 ng/Kg	SED-009-SIV-SD-0.0-0.5 SED-028-SIV-SD-0.0-0.5 SL-085-SA5B-SB-3.0-4.0 SL-086-SA5B-SB-4.0-5.0 SL-087-SA5B-SB-3.0-4.0 SL-088-SA5B-SB-3.0-4.0 SL-089-SA5B-SB-4.0-5.0 SL-090-SA5B-SB-2.5-3.5 SL-091-SA5B-SB-4.0-5.0 SL-093-SA5B-SB-3.0-4.0 SL-094-SA5B-SB-4.0-5.0 SL-099-SA5B-SB-4.0-5.0 SL-100-SA5B-SB-4.0-5.0 SL-119-SA5B-SB-3.0-4.0 SL-120-SA5B-SB-3.0-4.0 SL-121-SA5B-SB-4.0-5.0 SL-121-SA5B-SB-9.0-10.0 SL-122-SA5B-SB-2.0-3.0

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
SED-009-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.156 ng/Kg	0.158U ng/Kg
SED-009-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0676 ng/Kg	0.0676U ng/Kg
SED-009-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.275 ng/Kg	0.275U ng/Kg
SED-028-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.663 ng/Kg	0.663U ng/Kg
SED-028-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0991 ng/Kg	0.0991U ng/Kg
SED-028-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.163 ng/Kg	0.163U ng/Kg
SED-028-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0995 ng/Kg	0.0995U ng/Kg
SED-028-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.137 ng/Kg	0.137U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.299 ng/Kg	0.299U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.337 ng/Kg	0.337U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.127 ng/Kg	0.127U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0614 ng/Kg	0.0614U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0607 ng/Kg	0.0607U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.125 ng/Kg	0.125U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	OCDD	1.00 ng/Kg	1.00U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	OCDF	0.383 ng/Kg	0.383U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.189 ng/Kg	0.189U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.319 ng/Kg	0.319U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0381 ng/Kg	0.0381U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0638 ng/Kg	0.0638U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0427 ng/Kg	0.0427U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0245 ng/Kg	0.0245U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0767 ng/Kg	0.0767U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	OCDD	0.706 ng/Kg	0.706U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	OCDF	0.288 ng/Kg	0.288U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.335 ng/Kg	0.335U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.383 ng/Kg	0.383U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0389 ng/Kg	0.0389U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_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-087-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0494 ng/Kg	0.0494U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0478 ng/Kg	0.0478U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0358 ng/Kg	0.0358U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0917 ng/Kg	0.0917U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	OCDD	1.10 ng/Kg	1.10U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	OCDF	0.332 ng/Kg	0.332U ng/Kg
SL-088-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.347 ng/Kg	0.347U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.309 ng/Kg	0.309U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.319 ng/Kg	0.319U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0446 ng/Kg	0.0446U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0719 ng/Kg	0.0719U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0520 ng/Kg	0.0520U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0434 ng/Kg	0.0434U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0928 ng/Kg	0.0928U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	OCDD	1.40 ng/Kg	1.40U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	OCDF	0.349 ng/Kg	0.349U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.472 ng/Kg	0.472U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0474 ng/Kg	0.0474U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0846 ng/Kg	0.0846U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0780 ng/Kg	0.0780U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.0690 ng/Kg	0.0690U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.107 ng/Kg	0.107U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	OCDF	1.04 ng/Kg	1.04U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.288 ng/Kg	0.288U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.384 ng/Kg	0.384U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0822 ng/Kg	0.0822U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0847 ng/Kg	0.0847U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,8,7,8-HXCDF	0.0847 ng/Kg	0.0847U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0444 ng/Kg	0.0444U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.104 ng/Kg	0.104U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	OCDD	0.882 ng/Kg	0.882U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	OCDF	0.283 ng/Kg	0.283U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.174 ng/Kg	0.174U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.123 ng/Kg	0.123U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0260 ng/Kg	0.0260U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0271 ng/Kg	0.0271U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0303 ng/Kg	0.0303U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0414 ng/Kg	0.0414U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	OCDD	0.774 ng/Kg	0.774U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_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-SA5B-SB-3.0-4.0(RES)	OCDF	0.110 ng/Kg	0.110U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.207 ng/Kg	0.207U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.112 ng/Kg	0.112U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0255 ng/Kg	0.0255U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0411 ng/Kg	0.0411U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0197 ng/Kg	0.0197U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0228 ng/Kg	0.0228U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0346 ng/Kg	0.0346U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	OCDD	0.897 ng/Kg	0.897U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	OCDF	0.189 ng/Kg	0.189U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.253 ng/Kg	0.253U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.284 ng/Kg	0.284U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0511 ng/Kg	0.0511U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0828 ng/Kg	0.0828U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0583 ng/Kg	0.0583U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0541 ng/Kg	0.0541U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	OCDD	1.35 ng/Kg	1.35U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	OCDF	0.266 ng/Kg	0.266U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.08 ng/Kg	1.08U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.382 ng/Kg	0.382U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0597 ng/Kg	0.0597U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0561 ng/Kg	0.0561U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0717 ng/Kg	0.0717U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0342 ng/Kg	0.0342U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0839 ng/Kg	0.0839U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	OCDF	0.316 ng/Kg	0.316U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.214 ng/Kg	0.214U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.126 ng/Kg	0.128U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0378 ng/Kg	0.0378U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0324 ng/Kg	0.0324U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0460 ng/Kg	0.0460U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0483 ng/Kg	0.0483U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	OCDD	0.808 ng/Kg	0.808U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	OCDF	0.238 ng/Kg	0.238U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.295 ng/Kg	0.295U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.122 ng/Kg	0.122U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0263 ng/Kg	0.0263U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0429 ng/Kg	0.0429U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0319 ng/Kg	0.0319U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0354 ng/Kg	0.0354U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_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-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0440 ng/Kg	0.0440U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	OCDD	0.757 ng/Kg	0.757U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	OCDF	0.201 ng/Kg	0.201U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.218 ng/Kg	0.218U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.106 ng/Kg	0.106U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0261 ng/Kg	0.0261U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0265 ng/Kg	0.0265U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0201 ng/Kg	0.0201U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.133 ng/Kg	0.133U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0357 ng/Kg	0.0357U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	OCDD	1.12 ng/Kg	1.12U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	OCDF	0.131 ng/Kg	0.131U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.369 ng/Kg	0.369U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.124 ng/Kg	0.124U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0386 ng/Kg	0.0386U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0525 ng/Kg	0.0525U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0390 ng/Kg	0.0390U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0354 ng/Kg	0.0354U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	OCDD	0.943 ng/Kg	0.943U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	OCDF	0.158 ng/Kg	0.158U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.411 ng/Kg	0.411U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.124 ng/Kg	0.124U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0358 ng/Kg	0.0358U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.0370 ng/Kg	0.0370U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.105 ng/Kg	0.105U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0221 ng/Kg	0.0221U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	OCDF	0.418 ng/Kg	0.418U ng/Kg

Reporting Limit Outliers

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB20-SA5B-011311	1,2,3,4,6,7,8-HPCDD	JB	2.25	10.9	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	3.35	10.9	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.385	10.9	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.167	10.9	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JBQ	0.640	10.9	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JBQ	0.509	10.9	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JBQ	0.378	10.9	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JQ	0.189	10.9	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.132	10.9	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JB	0.725	10.9	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.481	10.9	PQL	pg/L	
	OCDD	JB	5.27	21.7	PQL	pg/L	
	OCDF	JB	2.41	21.7	PQL	pg/L	
EB21-SA5B-011311	1,2,3,4,6,7,8-HPCDD	JBQ	1.75	10.2	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	3.69	10.2	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.282	10.2	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JBQ	0.477	10.2	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JBQ	0.581	10.2	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JQ	0.360	10.2	PQL	pg/L	
	1,2,3,7,8,9-HxCDF	JBQ	0.313	10.2	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.173	10.2	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JBQ	0.656	10.2	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.660	10.2	PQL	pg/L	
	OCDD	JB	4.78	20.3	PQL	pg/L	
	OCDF	JBQ	2.42	20.3	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-009-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.52	6.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.158	6.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.183	6.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.531	6.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.490	6.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.282	6.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.354	6.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0676	6.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.245	6.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.618	6.54	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.275	6.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.956	6.54	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.338	1.31	PQL	ng/Kg	
	OCDF	JB	2.84	13.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-028-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.91	7.08	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.663	7.08	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0991	7.08	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.123	7.08	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.163	7.08	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.226	7.08	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0995	7.08	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.156	7.08	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.206	7.08	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.137	7.08	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.266	7.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0948	1.42	PQL	ng/Kg	
	OCDF	JB	1.72	14.2	PQL	ng/Kg	
SL-085-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.299	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.337	5.42	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.127	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0421	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0511	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0814	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0533	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0607	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.125	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0604	5.42	PQL	ng/Kg	
	OCDD	JB	1.00	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.383	10.8	PQL	ng/Kg	
SL-086-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.189	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.319	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0381	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0638	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0427	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0263	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0245	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0420	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0787	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0742	5.61	PQL	ng/Kg	
	OCDD	JB	0.706	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.288	11.2	PQL	ng/Kg	
SL-087-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.335	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.383	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0389	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0494	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0390	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0478	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0358	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0396	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0917	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.0969	5.38	PQL	ng/Kg	
	OCDD	JB	1.10	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.332	10.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-088-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDF	JB	3.16	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.354	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.268	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.556	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	2.41	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.391	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.14	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.210	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.222	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.577	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.347	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.470	5.58	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0924	1.12	PQL	ng/Kg	
	OCDF	JB	6.13	11.2	PQL	ng/Kg	
SL-089-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.309	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.319	5.75	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0446	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0719	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0520	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0456	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0434	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0928	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0793	5.75	PQL	ng/Kg	
	OCDD	JB	1.40	11.5	PQL	ng/Kg	
	OCDF	JB	0.349	11.5	PQL	ng/Kg	
SL-090-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	1.93	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.472	5.46	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0474	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0304	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0846	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.102	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0780	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.0954	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0690	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.0678	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.107	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0743	5.46	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0349	1.09	PQL	ng/Kg	
	OCDF	JB	1.04	10.9	PQL	ng/Kg	
SL-091-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.288	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.364	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0822	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0847	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0714	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0847	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0444	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.110	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0981	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.104	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.126	5.69	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0666	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0410	1.14	PQL	ng/Kg	
	OCDD	JB	0.882	11.4	PQL	ng/Kg	
	OCDF	JB	0.283	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-093-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.174	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.123	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0260	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0298	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0422	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0271	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.0709	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0303	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0169	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0414	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0536	5.49	PQL	ng/Kg	
	OCDD	JB	0.774	11.0	PQL	ng/Kg	
	OCDF	JB	0.110	11.0	PQL	ng/Kg	
SL-094-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.207	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.112	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0255	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0411	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0197	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0340	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0228	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0332	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0346	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.0469	5.77	PQL	ng/Kg	
	OCDD	JBQ	0.897	11.5	PQL	ng/Kg	
	OCDF	JB	0.189	11.5	PQL	ng/Kg	
SL-099-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.253	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.284	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0511	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0828	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0563	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0233	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0541	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0737	5.73	PQL	ng/Kg	
	OCDD	JB	1.35	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.266	11.5	PQL	ng/Kg	
SL-100-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.06	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.382	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0597	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0561	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.103	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0717	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.0675	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0342	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0295	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0839	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0513	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0367	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0334	1.10	PQL	ng/Kg	
	OCDD	JB	6.10	11.0	PQL	ng/Kg	
	OCDF	JB	0.316	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-119-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.214	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.126	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0376	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0347	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0324	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0680	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0460	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0519	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0483	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0930	5.63	PQL	ng/Kg	
	OCDD	JB	0.808	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.238	11.3	PQL	ng/Kg	
SL-120-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.295	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.122	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0263	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0421	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0429	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0544	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0319	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0957	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0354	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0551	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0322	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0440	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0688	5.49	PQL	ng/Kg	
	OCDD	JB	0.757	11.0	PQL	ng/Kg	
	OCDF	JB	0.201	11.0	PQL	ng/Kg	
SL-121-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.218	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.106	5.41	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0261	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0285	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0269	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0201	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.142	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.133	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0357	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0329	5.41	PQL	ng/Kg	
	OCDD	JB	1.12	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.131	10.8	PQL	ng/Kg	
SL-121-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.369	6.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.124	6.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0386	6.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0730	6.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0525	6.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0733	6.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0390	6.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0708	6.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0354	6.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0657	6.49	PQL	ng/Kg	
	OCDD	JB	0.943	13.0	PQL	ng/Kg	
	OCDF	JB	0.158	13.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX038

Laboratory: LL

EDD Filename: DX038_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-122-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.411	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.124	5.79	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0358	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0370	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.466	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.121	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.560	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.105	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0513	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0221	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0554	5.79	PQL	ng/Kg	
	OCDD	JB	4.24	11.6	PQL	ng/Kg	
	OCDF	JB	0.418	11.6	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX039

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
12-Jan-2011	SL-104-SA5B-SB-4.0-5.0	6182866	N	METHOD	1613B	III
12-Jan-2011	SL-104-SA5B-SB-9.0-10.0	6182867	N	METHOD	1613B	III
12-Jan-2011	SL-092-SA5B-SB-4.0-5.0	6182871	N	METHOD	1613B	III
12-Jan-2011	SL-092-SA5B-SB-4.0-5.0MS	6182872	MS	METHOD	1613B	III
12-Jan-2011	SL-092-SA5B-SB-4.0-5.0MSD	6182873	MSD	METHOD	1613B	III
12-Jan-2011	DUP17-SA5B-QC-011211	6182874	FD	METHOD	1613B	III
12-Jan-2011	SL-098-SA5B-SB-4.0-5.0	6182868	N	METHOD	1613B	III
12-Jan-2011	SL-103-SA5B-SB-4.0-5.0	6182869	N	METHOD	1613B	III
12-Jan-2011	SL-103-SA5B-SB-9.0-10.0	6182870	N	METHOD	1613B	III
12-Jan-2011	SL-097-SA5B-SB-4.0-5.0	6182877	N	METHOD	1613B	III
12-Jan-2011	SL-097-SA5B-SB-7.0-8.0	6182878	N	METHOD	1613B	III
12-Jan-2011	SL-072-SA5B-SB-4.0-5.0	6182875	N	METHOD	1613B	III
12-Jan-2011	SL-071-SA5B-SB-2.0-3.0	6182876	N	METHOD	1613B	III
14-Jan-2011	SL-124-SA5B-SB-4.0-5.0	6184386	N	METHOD	1613B	III
14-Jan-2011	SL-124-SA5B-SB-7.5-8.5	6184387	N	METHOD	1613B	III
14-Jan-2011	SL-128-SA5B-SB-4.0-5.0	6184389	N	METHOD	1613B	III
14-Jan-2011	SL-126-SA5B-SB-2.0-3.0	6184388	N	METHOD	1613B	III
14-Jan-2011	SL-129-SA5B-SB-2.0-3.0	6184391	N	METHOD	1613B	III
14-Jan-2011	SL-083-SA5B-SB-4.0-5.0	6184392	N	METHOD	1613B	III
14-Jan-2011	SL-125-SA5B-SB-4.0-5.0	6184390	N	METHOD	1613B	III
14-Jan-2011	SL-081-SA5B-SB-2.5-3.5	6184393	N	METHOD	1613B	III
14-Jan-2011	SL-081-SA5B-SB-6.0-7.0	6184394	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP17-SA5B-QC-011211

Collected: 1/12/2011 10:48:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.68	JB	0.0655	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.926	JB	0.0284	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.158	JB	0.0382	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.121	JBQ	0.0553	MDL	5.61	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HXCDF	0.285	JB	0.0448	MDL	5.61	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.404	JB	0.0561	MDL	5.61	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.248	JBQ	0.0418	MDL	5.61	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.341	JQ	0.0552	MDL	5.61	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.293	JB	0.0460	MDL	5.61	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDD	0.188	JBQ	0.0421	MDL	5.61	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.264	JQ	0.0342	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.271	JBQ	0.0422	MDL	5.61	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.311	JBQ	0.0318	MDL	5.61	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0518	JQ	0.0459	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0967	JQ	0.0571	MDL	1.12	PQL	ng/Kg	J	Z, FD
OCDF	1.04	JB	0.0718	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-071-SA5B-SB-2.0-3.0

Collected: 1/12/2011 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	0.325	JB	0.0546	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0885	JBQ	0.0211	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0475	JBQ	0.0354	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0210	JB	0.0194	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0363	J	0.0337	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0430	JBQ	0.0232	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0259	JQ	0.0210	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0236	JBQ	0.0203	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0507	JBQ	0.0207	MDL	5.61	PQL	ng/Kg	U	B
OCDD	1.27	JB	0.0612	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.146	JBQ	0.0623	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-072-SA5B-SB-4.0-5.0

Collected: 1/12/2011 2:58:00

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	0.312	JBQ	0.0532	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.305	JB	0.0229	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0399	JB	0.0325	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0832	JBQ	0.0276	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0863	JB	0.0264	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0931	JQ	0.0393	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0608	JBQ	0.0316	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0855	JB	0.0455	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0383	JQ	0.0234	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0991	JBQ	0.0273	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.138	JBQ	0.0249	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0497	JQ	0.0451	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0446	JQ	0.0431	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	0.739	JB	0.0617	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.273	JBQ	0.0718	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-081-SA5B-SB-2.5-3.5

Collected: 1/14/2011 3:08:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.907	JB	0.00900	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.561	JB	0.00855	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0730	JB	0.0106	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0252	JBQ	0.00967	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.120	JB	0.00922	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.572	JB	0.0101	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.158	JB	0.00866	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.771	J	0.00990	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.897	JB	0.00877	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.129	JB	0.0150	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.146	J	0.00742	MDL	5.62	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.194	JB	0.00821	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.177	JB	0.00585	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0122	JQ	0.0100	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0616	J	0.0121	MDL	1.12	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-081-SA5B-SB-2.5-3.5

Collected: 1/14/2011 3:08:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	5.41	JB	0.0118	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.524	JB	0.0103	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-081-SA5B-SB-6.0-7.0

Collected: 1/14/2011 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	0.653	JB	0.00902	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.370	JB	0.0100	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0447	JB	0.0126	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0172	JBQ	0.00845	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0810	JBQ	0.00742	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0456	JB	0.00890	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0585	JBQ	0.00685	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0835	J	0.00788	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0681	JBQ	0.00742	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0102	JBQ	0.00856	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0280	JQ	0.00400	MDL	5.71	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0669	JBQ	0.00685	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0923	JB	0.00320	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0199	J	0.0100	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	5.73	JB	0.0121	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.364	JBQ	0.0107	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-083-SA5B-SB-4.0-5.0

Collected: 1/14/2011 1:23:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.269	JB	0.0109	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.267	JB	0.0149	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0377	JB	0.0199	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0144	JBQ	0.00813	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0610	JB	0.00791	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0216	JBQ	0.00846	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0440	JBQ	0.00746	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0186	JQ	0.00802	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0537	JBQ	0.00802	MDL	5.57	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-083-SA5B-SB-4.0-5.0

Collected: 1/14/2011 1:23:00

Analysis 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	0.0155	JBQ	0.0111	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0176	J	0.00479	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0600	JB	0.00768	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0375	JBQ	0.00356	MDL	5.57	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.00823	JQ	0.00646	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	1.38	JB	0.0171	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.192	JBQ	0.0175	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-092-SA5B-SB-4.0-5.0

Collected: 1/12/2011 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	2.50	JB	0.0553	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.674	JB	0.0223	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0970	JBQ	0.0342	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0429	U	0.0429	MDL	5.66	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HXCDF	0.121	JBQ	0.0317	MDL	5.66	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.225	JBQ	0.0439	MDL	5.66	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.0908	JBQ	0.0298	MDL	5.66	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.196	J	0.0402	MDL	5.66	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.155	JBQ	0.0291	MDL	5.66	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0797	JBQ	0.0354	MDL	5.66	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.162	J	0.0279	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.153	JBQ	0.0291	MDL	5.66	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.109	JB	0.0258	MDL	5.66	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0612	JQ	0.0372	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0513	JQ	0.0485	MDL	1.13	PQL	ng/Kg	J	Z, FD
OCDF	0.913	JBQ	0.0463	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-097-SA5B-SB-4.0-5.0

Collected: 1/12/2011 2:36:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.191	JBQ	0.0825	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.125	JBQ	0.0263	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0381	JBQ	0.0299	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0382	JBQ	0.0337	MDL	5.75	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-097-SA5B-SB-4.0-5.0

Collected: 1/12/2011 2:36:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	1.18	JBQ	0.0734	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.122	JBQ	0.0898	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-097-SA5B-SB-7.0-8.0

Collected: 1/12/2011 2:47:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.218	JB	0.00938	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.319	JB	0.00595	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0580	JBQ	0.00847	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0118	JB	0.00675	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0531	JBQ	0.00789	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0222	JBQ	0.00709	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0564	JBQ	0.00721	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0243	JQ	0.00686	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0401	JBQ	0.00835	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0165	JB	0.00812	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0222	JQ	0.00343	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0806	JB	0.00709	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0603	JB	0.00309	MDL	5.72	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.00833	JQ	0.00721	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0109	JQ	0.00561	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	0.578	JB	0.0101	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.235	JBQ	0.0140	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-098-SA5B-SB-4.0-5.0

Collected: 1/12/2011 11:49:00

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	0.322	JB	0.0692	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.299	JB	0.0262	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0754	JBQ	0.0331	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0472	JBQ	0.0312	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0701	JBQ	0.0522	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0350	JB	0.0281	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0783	JQ	0.0526	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.108	JB	0.0329	MDL	5.69	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-098-SA5B-SB-4.0-5.0

Collected: 1/12/2011 11:49:00

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	0.0631	JBQ	0.0301	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0696	JBQ	0.0354	MDL	5.69	PQL	ng/Kg	U	B
OCDD	1.42	JB	0.0592	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.346	JBQ	0.101	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-103-SA5B-SB-4.0-5.0

Collected: 1/12/2011 12:24:00

Analysis Type: RES

Dilution: 1

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	3.00	JB	0.0553	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.204	JBQ	0.0692	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.244	JB	0.0673	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.223	JB	0.0478	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.581	JB	0.0725	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.169	JBQ	0.0454	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.356	JQ	0.0695	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.225	JB	0.0524	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.135	JBQ	0.0622	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.344	JQ	0.0421	MDL	5.76	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.247	JBQ	0.0461	MDL	5.76	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.176	JBQ	0.0429	MDL	5.76	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0950	JQ	0.0561	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.154	JQ	0.0874	MDL	1.15	PQL	ng/Kg	J	Z
OCDF	10.9	JB	0.0696	MDL	11.5	PQL	ng/Kg	J	Z

Sample ID: SL-103-SA5B-SB-9.0-10.0

Collected: 1/12/2011 12:34:00

Analysis Type: RES

Dilution: 1

Analyte	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	0.0517	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.856	JB	0.0317	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.107	JBQ	0.0399	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0529	JBQ	0.0411	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.235	JB	0.0381	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.222	JBQ	0.0432	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.115	JB	0.0359	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.203	J	0.0414	MDL	5.73	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 9:25:13 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-103-SA5B-SB-9.0-10.0

Collected: 1/12/2011 12:34:00

Analysis 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	0.166	JB	0.0377	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0598	JBQ	0.0405	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.250	JQ	0.0320	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.201	JBQ	0.0342	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.193	JBQ	0.0291	MDL	5.73	PQL	ng/Kg	U	B
OCDF	1.36	JBQ	0.0647	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-104-SA5B-SB-4.0-5.0

Collected: 1/12/2011 9:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.45	JB	0.0648	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.13	JB	0.0193	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.104	JB	0.0242	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0697	JB	0.0362	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.146	JB	0.0342	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.166	JBQ	0.0372	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0896	JB	0.0317	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.188	J	0.0364	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.136	JBQ	0.0370	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0448	JBQ	0.0359	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.119	J	0.0266	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.165	JBQ	0.0340	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.139	JBQ	0.0250	MDL	5.56	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0509	JQ	0.0507	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	2.44	JB	0.0448	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-104-SA5B-SB-9.0-10.0

Collected: 1/12/2011 9:38:00

Analysis Type: RES

Dilution: 1

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	1.22	JB	0.0476	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.151	JBQ	0.0627	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.279	JB	0.0482	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.723	JB	0.0812	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.175	JB	0.0439	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.473	JQ	0.0806	MDL	5.62	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-00 7-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-104-SA5B-SB-9.0-10.0

Collected: 1/12/2011 9:38:00

Analysis 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	0.182	JB	0.0528	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0768	JBQ	0.0573	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.350	J	0.0398	MDL	5.62	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.197	JBQ	0.0443	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.140	JBQ	0.0380	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.206	JQ	0.0770	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	4.07	JB	0.0770	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-124-SA5B-SB-4.0-5.0

Collected: 1/14/2011 9:22:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.169	JBQ	0.00936	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0840	JBQ	0.00582	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0307	JBQ	0.00788	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0137	JBQ	0.00685	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0291	JBQ	0.00525	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0272	JBQ	0.00708	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0170	JBQ	0.00468	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0366	J	0.00719	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0377	JBQ	0.00548	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.00939	JBQ	0.00936	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0183	JQ	0.00342	MDL	5.71	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0252	JBQ	0.00514	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0342	JB	0.00285	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0236	J	0.00936	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0165	J	0.00525	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	0.689	JB	0.0131	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.0927	JBQ	0.0119	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-124-SA5B-SB-7.5-8.5

Collected: 1/14/2011 9:26:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.171	JBQ	0.00978	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0440	JB	0.00575	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0132	JBQ	0.00748	MDL	5.75	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-124-SA5B-SB-7.5-8.5

Collected: 1/14/2011 9:26:00

Analysis Type: 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	0.0183	JBQ	0.00541	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0294	JBQ	0.00713	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0200	JBQ	0.00460	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0205	J	0.00690	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0282	JBQ	0.00506	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0243	JB	0.00909	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0143	JQ	0.00288	MDL	5.75	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0190	JBQ	0.00483	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0513	JBQ	0.00276	MDL	5.75	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0101	JQ	0.00852	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.00627	JQ	0.00483	MDL	1.15	PQL	ng/Kg	J	Z
OCDD	0.606	JB	0.0137	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.0721	JB	0.0101	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-125-SA5B-SB-4.0-5.0

Collected: 1/14/2011 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-HPCCDD	0.208	JBQ	0.0102	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.307	JB	0.0101	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0463	JB	0.0130	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0190	JB	0.00791	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0589	JB	0.0100	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0403	JB	0.00802	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0832	JBQ	0.0104	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0526	J	0.00802	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0386	JBQ	0.00835	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0404	JB	0.00902	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0354	JQ	0.00457	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0730	JB	0.00746	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0737	JBQ	0.00312	MDL	5.57	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.00908	JQ	0.00768	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0143	JQ	0.00490	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	0.792	JB	0.0185	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.212	JBQ	0.0146	MDL	11.1	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-126-SA5B-SB-2.0-3.0

Collected: 1/14/2011 11:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.490	JB	0.00950	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.101	JB	0.00884	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0183	JBQ	0.0104	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0212	JBQ	0.00862	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0267	JBQ	0.00622	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0759	JBQ	0.00895	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0435	JBQ	0.00535	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.102	JQ	0.00862	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0335	JBQ	0.00535	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0649	JBQ	0.0108	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0399	J	0.00338	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0208	JB	0.00480	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0538	JBQ	0.00273	MDL	5.46	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.00908	J	0.00546	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	4.26	JB	0.0120	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.215	JB	0.0114	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-128-SA5B-SB-4.0-5.0

Collected: 1/14/2011 10:29:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.566	JB	0.0147	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.340	JB	0.0149	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0729	JBQ	0.0185	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0333	JB	0.0106	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0831	JB	0.0110	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0853	JBQ	0.0111	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.102	JBQ	0.0120	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.118	J	0.0106	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0630	JBQ	0.0113	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0525	JBQ	0.0115	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0726	J	0.00594	MDL	5.83	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.0856	JB	0.0101	MDL	5.83	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0961	JB	0.00385	MDL	5.83	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0128	J	0.00991	MDL	1.17	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-128-SA5B-SB-4.0-5.0

Collected: 1/14/2011 10:29:00

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	0.00874	JQ	0.00723	MDL	1.17	PQL	ng/Kg	J	Z
OCDD	4.75	JB	0.0169	MDL	11.7	PQL	ng/Kg	U	B
OCDF	0.365	JB	0.0148	MDL	11.7	PQL	ng/Kg	U	B

Sample ID: SL-129-SA5B-SB-2.0-3.0

Collected: 1/14/2011 1:18:00

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-HPCDF	4.62	JB	0.0167	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.312	JB	0.0209	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.136	JB	0.0140	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.159	JBQ	0.0122	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.753	JB	0.0141	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0884	JB	0.00985	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.319	JQ	0.0142	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0861	JBQ	0.0111	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0703	JB	0.0115	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0282	JQ	0.00411	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.157	JB	0.0102	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0667	JBQ	0.00346	MDL	5.41	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0166	J	0.00833	MDL	1.08	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX039

Method Blank Outlier Report

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370139	2/3/2011 1:39:00 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-HxCDF 1,2,3,7,8-PECDD 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF OCDD OCDF	0.283 ng/Kg 0.457 ng/Kg 0.0475 ng/Kg 0.0323 ng/Kg 0.0615 ng/Kg 0.0423 ng/Kg 0.0812 ng/Kg 0.0494 ng/Kg 0.0616 ng/Kg 0.129 ng/Kg 0.0690 ng/Kg 1.18 ng/Kg 0.319 ng/Kg	DUP17-SA5B-QC-011211 SL-071-SA5B-SB-2.0-3.0 SL-072-SA5B-SB-4.0-5.0 SL-081-SA5B-SB-2.5-3.5 SL-081-SA5B-SB-6.0-7.0 SL-083-SA5B-SB-4.0-5.0 SL-092-SA5B-SB-4.0-5.0 SL-097-SA5B-SB-4.0-5.0 SL-097-SA5B-SB-7.0-8.0 SL-098-SA5B-SB-4.0-5.0 SL-103-SA5B-SB-4.0-5.0 SL-103-SA5B-SB-9.0-10.0 SL-104-SA5B-SB-4.0-5.0 SL-104-SA5B-SB-9.0-10.0 SL-124-SA5B-SB-4.0-5.0 SL-124-SA5B-SB-7.5-8.5 SL-125-SA5B-SB-4.0-5.0 SL-126-SA5B-SB-2.0-3.0 SL-128-SA5B-SB-4.0-5.0 SL-129-SA5B-SB-2.0-3.0

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
DUP17-SA5B-QC-011211(RES)	1,2,3,4,6,7,8-HPCDF	0.926 ng/Kg	0.926U ng/Kg
DUP17-SA5B-QC-011211(RES)	1,2,3,4,7,8,9-HPCDF	0.158 ng/Kg	0.158U ng/Kg
DUP17-SA5B-QC-011211(RES)	1,2,3,4,7,8-HxCDD	0.121 ng/Kg	0.121U ng/Kg
DUP17-SA5B-QC-011211(RES)	1,2,3,4,7,8-HxCDF	0.285 ng/Kg	0.285U ng/Kg
DUP17-SA5B-QC-011211(RES)	1,2,3,6,7,8-HxCDF	0.248 ng/Kg	0.248U ng/Kg
DUP17-SA5B-QC-011211(RES)	1,2,3,7,8-PECDD	0.188 ng/Kg	0.188U ng/Kg
DUP17-SA5B-QC-011211(RES)	2,3,4,6,7,8-HxCDF	0.271 ng/Kg	0.271U ng/Kg
DUP17-SA5B-QC-011211(RES)	2,3,4,7,8-PECDF	0.311 ng/Kg	0.311U ng/Kg
DUP17-SA5B-QC-011211(RES)	OCDF	1.04 ng/Kg	1.04U ng/Kg
SL-071-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.325 ng/Kg	0.325U ng/Kg
SL-071-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0885 ng/Kg	0.0885U ng/Kg
SL-071-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDD	0.0475 ng/Kg	0.0475U ng/Kg
SL-071-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDF	0.0210 ng/Kg	0.0210U ng/Kg
SL-071-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HxCDF	0.0430 ng/Kg	0.0430U ng/Kg
SL-071-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HxCDF	0.0236 ng/Kg	0.0236U ng/Kg
SL-071-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0507 ng/Kg	0.0507U ng/Kg
SL-071-SA5B-SB-2.0-3.0(RES)	OCDD	1.27 ng/Kg	1.27U ng/Kg
SL-071-SA5B-SB-2.0-3.0(RES)	OCDF	0.146 ng/Kg	0.146U ng/Kg
SL-072-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.312 ng/Kg	0.312U ng/Kg
SL-072-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.305 ng/Kg	0.305U ng/Kg
SL-072-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0399 ng/Kg	0.0399U ng/Kg
SL-072-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0832 ng/Kg	0.0832U ng/Kg
SL-072-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0863 ng/Kg	0.0863U ng/Kg
SL-072-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0608 ng/Kg	0.0608U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_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-072-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0855 ng/Kg	0.0855U ng/Kg
SL-072-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0991 ng/Kg	0.0991U ng/Kg
SL-072-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.138 ng/Kg	0.138U ng/Kg
SL-072-SA5B-SB-4.0-5.0(RES)	OCDD	0.739 ng/Kg	0.739U ng/Kg
SL-072-SA5B-SB-4.0-5.0(RES)	OCDF	0.273 ng/Kg	0.273U ng/Kg
SL-081-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.907 ng/Kg	0.907U ng/Kg
SL-081-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.561 ng/Kg	0.561U ng/Kg
SL-081-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0730 ng/Kg	0.0730U ng/Kg
SL-081-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HxCDD	0.0252 ng/Kg	0.0252U ng/Kg
SL-081-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-081-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.158 ng/Kg	0.158U ng/Kg
SL-081-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.129 ng/Kg	0.129U ng/Kg
SL-081-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.194 ng/Kg	0.194U ng/Kg
SL-081-SA5B-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.177 ng/Kg	0.177U ng/Kg
SL-081-SA5B-SB-2.5-3.5(RES)	OCDD	5.41 ng/Kg	5.41U ng/Kg
SL-081-SA5B-SB-2.5-3.5(RES)	OCDF	0.524 ng/Kg	0.524U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	1,2,3,4,6,7,8-HPCDD	0.653 ng/Kg	0.653U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	1,2,3,4,6,7,8-HPCDF	0.370 ng/Kg	0.370U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0447 ng/Kg	0.0447U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	1,2,3,4,7,8-HxCDD	0.0172 ng/Kg	0.0172U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	1,2,3,4,7,8-HXCDF	0.0810 ng/Kg	0.0810U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	1,2,3,6,7,8-HXCDD	0.0456 ng/Kg	0.0456U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	1,2,3,6,7,8-HXCDF	0.0585 ng/Kg	0.0585U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	1,2,3,7,8,9-HXCDF	0.0681 ng/Kg	0.0681U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	1,2,3,7,8-PECDD	0.0102 ng/Kg	0.0102U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	2,3,4,6,7,8-HXCDF	0.0669 ng/Kg	0.0669U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	2,3,4,7,8-PECDF	0.0923 ng/Kg	0.0923U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	OCDD	5.73 ng/Kg	5.73U ng/Kg
SL-081-SA5B-SB-6.0-7.0(RES)	OCDF	0.364 ng/Kg	0.364U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.269 ng/Kg	0.269U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.267 ng/Kg	0.267U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0377 ng/Kg	0.0377U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0144 ng/Kg	0.0144U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0610 ng/Kg	0.0610U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0216 ng/Kg	0.0216U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0440 ng/Kg	0.0440U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0537 ng/Kg	0.0537U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_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-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0155 ng/Kg	0.0155U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0600 ng/Kg	0.0600U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0375 ng/Kg	0.0375U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	OCDD	1.38 ng/Kg	1.38U ng/Kg
SL-083-SA5B-SB-4.0-5.0(RES)	OCDF	0.192 ng/Kg	0.192U ng/Kg
SL-092-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.674 ng/Kg	0.674U ng/Kg
SL-092-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0970 ng/Kg	0.0970U ng/Kg
SL-092-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-092-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0908 ng/Kg	0.0908U ng/Kg
SL-092-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.155 ng/Kg	0.155U ng/Kg
SL-092-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0797 ng/Kg	0.0797U ng/Kg
SL-092-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.153 ng/Kg	0.153U ng/Kg
SL-092-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.109 ng/Kg	0.109U ng/Kg
SL-092-SA5B-SB-4.0-5.0(RES)	OCDF	0.913 ng/Kg	0.913U ng/Kg
SL-097-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.191 ng/Kg	0.191U ng/Kg
SL-097-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.125 ng/Kg	0.125U ng/Kg
SL-097-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0381 ng/Kg	0.0381U ng/Kg
SL-097-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0382 ng/Kg	0.0382U ng/Kg
SL-097-SA5B-SB-4.0-5.0(RES)	OCDD	1.18 ng/Kg	1.18U ng/Kg
SL-097-SA5B-SB-4.0-5.0(RES)	OCDF	0.122 ng/Kg	0.122U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	0.218 ng/Kg	0.218U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.319 ng/Kg	0.319U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0580 ng/Kg	0.0580U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HxCDD	0.0118 ng/Kg	0.0118U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.0531 ng/Kg	0.0531U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDD	0.0222 ng/Kg	0.0222U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDF	0.0564 ng/Kg	0.0564U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.0401 ng/Kg	0.0401U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDD	0.0165 ng/Kg	0.0165U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.0806 ng/Kg	0.0806U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0603 ng/Kg	0.0603U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	OCDD	0.578 ng/Kg	0.578U ng/Kg
SL-097-SA5B-SB-7.0-8.0(RES)	OCDF	0.235 ng/Kg	0.235U ng/Kg
SL-098-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.322 ng/Kg	0.322U ng/Kg
SL-098-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.299 ng/Kg	0.299U ng/Kg
SL-098-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0754 ng/Kg	0.0754U ng/Kg
SL-098-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0472 ng/Kg	0.0472U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_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-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0701 ng/Kg	0.0701U ng/Kg
SL-098-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0350 ng/Kg	0.0350U ng/Kg
SL-098-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.108 ng/Kg	0.108U ng/Kg
SL-098-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0631 ng/Kg	0.0631U ng/Kg
SL-098-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0696 ng/Kg	0.0696U ng/Kg
SL-098-SA5B-SB-4.0-5.0(RES)	OCDD	1.42 ng/Kg	1.42U ng/Kg
SL-098-SA5B-SB-4.0-5.0(RES)	OCDF	0.348 ng/Kg	0.348U ng/Kg
SL-103-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.204 ng/Kg	0.204U ng/Kg
SL-103-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.223 ng/Kg	0.223U ng/Kg
SL-103-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.169 ng/Kg	0.169U ng/Kg
SL-103-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.225 ng/Kg	0.225U ng/Kg
SL-103-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.135 ng/Kg	0.135U ng/Kg
SL-103-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.247 ng/Kg	0.247U ng/Kg
SL-103-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.176 ng/Kg	0.176U ng/Kg
SL-103-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.856 ng/Kg	0.856U ng/Kg
SL-103-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.107 ng/Kg	0.107U ng/Kg
SL-103-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0529 ng/Kg	0.0529U ng/Kg
SL-103-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.235 ng/Kg	0.235U ng/Kg
SL-103-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.115 ng/Kg	0.115U ng/Kg
SL-103-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.166 ng/Kg	0.166U ng/Kg
SL-103-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0598 ng/Kg	0.0598U ng/Kg
SL-103-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.201 ng/Kg	0.201U ng/Kg
SL-103-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.193 ng/Kg	0.193U ng/Kg
SL-103-SA5B-SB-9.0-10.0(RES)	OCDF	1.36 ng/Kg	1.36U ng/Kg
SL-104-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	1.13 ng/Kg	1.13U ng/Kg
SL-104-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.104 ng/Kg	0.104U ng/Kg
SL-104-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0697 ng/Kg	0.0697U ng/Kg
SL-104-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.146 ng/Kg	0.146U ng/Kg
SL-104-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.166 ng/Kg	0.166U ng/Kg
SL-104-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0896 ng/Kg	0.0896U ng/Kg
SL-104-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.136 ng/Kg	0.136U ng/Kg
SL-104-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0448 ng/Kg	0.0448U ng/Kg
SL-104-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.165 ng/Kg	0.165U ng/Kg
SL-104-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.139 ng/Kg	0.139U ng/Kg
SL-104-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	1.22 ng/Kg	1.22U ng/Kg
SL-104-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.151 ng/Kg	0.151U ng/Kg
SL-104-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.279 ng/Kg	0.279U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_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-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.175 ng/Kg	0.175U ng/Kg
SL-104-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.182 ng/Kg	0.182U ng/Kg
SL-104-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0768 ng/Kg	0.0768U ng/Kg
SL-104-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.197 ng/Kg	0.197U ng/Kg
SL-104-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.140 ng/Kg	0.140U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.169 ng/Kg	0.169U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0840 ng/Kg	0.0840U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0307 ng/Kg	0.0307U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0137 ng/Kg	0.0137U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0291 ng/Kg	0.0291U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0272 ng/Kg	0.0272U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0170 ng/Kg	0.0170U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0377 ng/Kg	0.0377U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.00939 ng/Kg	0.00939U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0252 ng/Kg	0.0252U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0342 ng/Kg	0.0342U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	OCDD	0.689 ng/Kg	0.689U ng/Kg
SL-124-SA5B-SB-4.0-5.0(RES)	OCDF	0.0927 ng/Kg	0.0927U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDD	0.171 ng/Kg	0.171U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0440 ng/Kg	0.0440U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0132 ng/Kg	0.0132U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	1,2,3,4,7,8-HXCDF	0.0183 ng/Kg	0.0183U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	1,2,3,6,7,8-HxCDD	0.0294 ng/Kg	0.0294U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	1,2,3,6,7,8-HXCDF	0.0200 ng/Kg	0.0200U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDF	0.0282 ng/Kg	0.0282U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	1,2,3,7,8-PECDD	0.0243 ng/Kg	0.0243U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	2,3,4,6,7,8-HXCDF	0.0190 ng/Kg	0.0190U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	2,3,4,7,8-PECDF	0.0513 ng/Kg	0.0513U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	OCDD	0.606 ng/Kg	0.606U ng/Kg
SL-124-SA5B-SB-7.5-8.5(RES)	OCDF	0.0721 ng/Kg	0.0721U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.208 ng/Kg	0.208U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.307 ng/Kg	0.307U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0463 ng/Kg	0.0463U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0190 ng/Kg	0.0190U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0589 ng/Kg	0.0589U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0403 ng/Kg	0.0403U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0832 ng/Kg	0.0832U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_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-125-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0386 ng/Kg	0.0386U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0404 ng/Kg	0.0404U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0730 ng/Kg	0.0730U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0737 ng/Kg	0.0737U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	OCDD	0.792 ng/Kg	0.792U ng/Kg
SL-125-SA5B-SB-4.0-5.0(RES)	OCDF	0.212 ng/Kg	0.212U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.490 ng/Kg	0.490U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.101 ng/Kg	0.101U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0183 ng/Kg	0.0183U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDD	0.0212 ng/Kg	0.0212U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.0267 ng/Kg	0.0267U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDD	0.0759 ng/Kg	0.0759U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.0435 ng/Kg	0.0435U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0335 ng/Kg	0.0335U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0649 ng/Kg	0.0649U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0208 ng/Kg	0.0208U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0538 ng/Kg	0.0538U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	OCDD	4.26 ng/Kg	4.26U ng/Kg
SL-126-SA5B-SB-2.0-3.0(RES)	OCDF	0.215 ng/Kg	0.215U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.566 ng/Kg	0.566U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.340 ng/Kg	0.340U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0729 ng/Kg	0.0729U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0333 ng/Kg	0.0333U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0831 ng/Kg	0.0831U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0853 ng/Kg	0.0853U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.102 ng/Kg	0.102U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0630 ng/Kg	0.0630U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0525 ng/Kg	0.0525U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0856 ng/Kg	0.0856U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0961 ng/Kg	0.0961U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	OCDD	4.75 ng/Kg	4.75U ng/Kg
SL-128-SA5B-SB-4.0-5.0(RES)	OCDF	0.365 ng/Kg	0.365U ng/Kg
SL-129-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDD	0.136 ng/Kg	0.136U ng/Kg
SL-129-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.159 ng/Kg	0.159U ng/Kg
SL-129-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.0884 ng/Kg	0.0884U ng/Kg
SL-129-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0861 ng/Kg	0.0861U ng/Kg
SL-129-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0703 ng/Kg	0.0703U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_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-129-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.157 ng/Kg	0.157U ng/Kg
SL-129-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0667 ng/Kg	0.0667U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-092-SA5B-SB-4.0-5.0	DUP17-SA5B-QC-011211			
MOISTURE	11.6	10.9	6		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-092-SA5B-SB-4.0-5.0	DUP17-SA5B-QC-011211			
1,2,3,4,6,7,8-HPCDD	2.50	3.68	38	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.674	0.926	32	50.00	
1,2,3,4,7,8,9-HPCDF	0.0970	0.158	48	50.00	
1,2,3,7,8-PECDF	0.162	0.264	48	50.00	
2,3,7,8-TCDD	0.0612	0.0518	17	50.00	
OCDD	26.5	27.5	4	50.00	
OCDF	0.913	1.04	13	50.00	
1,2,3,4,7,8-HxCDD	5.66 U	0.121	200	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,7,8-HxCDF	0.121	0.285	81	50.00	
1,2,3,6,7,8-HxCDD	0.225	0.404	57	50.00	
1,2,3,6,7,8-HxCDF	0.0908	0.248	93	50.00	
1,2,3,7,8,9-HxCDD	0.196	0.341	54	50.00	
1,2,3,7,8,9-HxCDF	0.155	0.293	62	50.00	
1,2,3,7,8-PECDD	0.0797	0.188	81	50.00	
2,3,4,6,7,8-HxCDF	0.153	0.271	56	50.00	
2,3,4,7,8-PECDF	0.109	0.311	96	50.00	
2,3,7,8-TCDF	0.0513	0.0967	61	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP17-SA5B-QC-011211	1,2,3,4,6,7,8-HPCDD	JB	3.68	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.926	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.158	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.121	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.285	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.404	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.248	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.341	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.293	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.188	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.264	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.271	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.311	5.61	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0518	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0967	1.12	PQL	ng/Kg	
	OCDF	JB	1.04	11.2	PQL	ng/Kg	
SL-071-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.325	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0885	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0475	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0210	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.0363	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0430	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0259	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0236	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0507	5.61	PQL	ng/Kg	
	OCDD	JB	1.27	11.2	PQL	ng/Kg	
SL-072-SA5B-SB-4.0-5.0	OCDF	JBQ	0.146	11.2	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JBQ	0.312	5.66	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.305	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0399	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0832	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0863	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0931	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0608	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0855	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0383	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0991	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.138	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0497	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0446	1.13	PQL	ng/Kg	
	OCDD	JB	0.739	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.273	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-081-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	0.907	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.561	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0730	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0252	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.120	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.572	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.158	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.771	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.897	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.129	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.146	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.194	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.177	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0122	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0616	1.12	PQL	ng/Kg	
	OCDD	JB	5.41	11.2	PQL	ng/Kg	
	OCDF	JB	0.524	11.2	PQL	ng/Kg	
SL-081-SA5B-SB-6.0-7.0	1,2,3,4,6,7,8-HPCDD	JB	0.653	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.370	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0447	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0172	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0810	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0456	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0585	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.0835	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0681	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0102	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0280	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0669	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0923	5.71	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0199	1.14	PQL	ng/Kg	
	OCDD	JB	5.73	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.364	11.4	PQL	ng/Kg	
SL-083-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.269	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.267	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0377	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0144	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0610	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0216	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0440	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0186	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0537	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0155	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.0176	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0600	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0375	5.57	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.00823	1.11	PQL	ng/Kg	
	OCDD	JB	1.38	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.192	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-092-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.50	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.674	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0970	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.121	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.225	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0908	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.196	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.155	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0797	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.162	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.153	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.109	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0612	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0513	1.13	PQL	ng/Kg	
	OCDF	JBQ	0.913	11.3	PQL	ng/Kg	
SL-097-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.191	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.125	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0381	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0382	5.75	PQL	ng/Kg	
	OCDD	JBQ	1.18	11.5	PQL	ng/Kg	
SL-097-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JB	0.218	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.319	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0580	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0118	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0531	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0222	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0564	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0243	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0401	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0165	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0222	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0806	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0603	5.72	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.00833	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0109	1.14	PQL	ng/Kg	
SL-098-SA5B-SB-4.0-5.0	OCDD	JB	0.578	11.4	PQL	ng/Kg	J (all detects)
	OCDF	JBQ	0.235	11.4	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JB	0.322	5.69	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.299	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0754	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0472	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0701	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0350	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0783	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.108	5.69	PQL	ng/Kg	
SL-098-SA5B-SB-4.0-5.0	2,3,4,6,7,8-HXCDF	JBQ	0.0631	5.69	PQL	ng/Kg	J (all detects)
	2,3,4,7,8-PECDF	JBQ	0.0696	5.69	PQL	ng/Kg	
	OCDD	JB	1.42	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.346	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-103-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	3.00	5.76	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.204	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.244	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.223	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.581	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.169	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.356	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.225	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.135	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.344	5.76	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.247	5.76	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.176	5.76	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0950	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.154	1.15	PQL	ng/Kg	
	OCDF	JB	10.9	11.5	PQL	ng/Kg	
SL-103-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	4.17	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.856	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.107	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0529	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.235	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.222	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.115	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.203	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.166	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0598	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.250	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.201	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.193	5.73	PQL	ng/Kg	
	OCDF	JBQ	1.36	11.5	PQL	ng/Kg	
SL-104-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	5.45	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.13	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.104	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0697	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.146	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.166	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0896	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.188	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.136	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0448	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.119	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.165	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.139	5.56	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0509	1.11	PQL	ng/Kg	
	OCDF	JB	2.44	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-104-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	1.22	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.151	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.279	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.723	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.175	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.473	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.182	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0768	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.350	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.197	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.140	5.62	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.206	1.12	PQL	ng/Kg	
	OCDF	JB	4.07	11.2	PQL	ng/Kg	
SL-124-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.169	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0840	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0307	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0137	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0291	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0272	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0170	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.0366	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0377	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.00939	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0183	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0252	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0342	5.71	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0236	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0165	1.14	PQL	ng/Kg	
	OCDD	JB	0.689	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.0927	11.4	PQL	ng/Kg	
SL-124-SA5B-SB-7.5-8.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.171	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0440	5.75	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0132	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0183	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0294	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0200	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.0205	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0282	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0243	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0143	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0190	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0513	5.75	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0101	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.00627	1.15	PQL	ng/Kg	
	OCDD	JB	0.606	11.5	PQL	ng/Kg	
	OCDF	JB	0.0721	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-125-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.208	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.307	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0463	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0190	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0589	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0403	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0832	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.0526	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0386	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0404	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0354	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0730	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0737	5.57	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.00908	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0143	1.11	PQL	ng/Kg	
	OCDD	JB	0.792	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.212	11.1	PQL	ng/Kg	
SL-126-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.490	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.101	5.46	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0183	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0212	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0267	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0759	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0435	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.102	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0335	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0649	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.0399	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0208	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0538	5.46	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.00908	1.09	PQL	ng/Kg	
	OCDD	JB	4.26	10.9	PQL	ng/Kg	
	OCDF	JB	0.215	10.9	PQL	ng/Kg	
SL-128-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.566	5.83	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.340	5.83	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0729	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0333	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0831	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0853	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.102	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.118	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0630	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0525	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.0726	5.83	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0856	5.83	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0961	5.83	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0128	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.00874	1.17	PQL	ng/Kg	
	OCDD	JB	4.75	11.7	PQL	ng/Kg	
	OCDF	JB	0.365	11.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX039

Laboratory: LL

EDD Filename: DX039_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-129-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDF	JB	4.62	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.312	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.136	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.159	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.753	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0884	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.319	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0861	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0703	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0282	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.157	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0667	5.41	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0166	1.08	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX040

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-Jan-2011	SL-082-SA5B-SB-2.25-3.25	6185303	N	METHOD	1613B	III
17-Jan-2011	SL-101-SA5B-SB-4.0-5.0	6185300	N	METHOD	1613B	III
17-Jan-2011	SL-082-SA5B-SB-7.0-8.0	6185304	N	METHOD	1613B	III
17-Jan-2011	SL-101-SA5B-SB-7.5-8.5	6185301	N	METHOD	1613B	III
17-Jan-2011	SL-112-SA5B-SB-4.0-5.0	6185299	N	METHOD	1613B	III
17-Jan-2011	SL-078-SA5B-SB-4.0-5.0	6185302	N	METHOD	1613B	III
17-Jan-2011	SL-113-SA5B-SB-4.0-5.0	6185307	N	METHOD	1613B	III
17-Jan-2011	SL-039-SA5B-SB-4.0-5.0	6185305	N	METHOD	1613B	III
17-Jan-2011	SL-039-SA5B-SB-9.0-10.0	6185306	N	METHOD	1613B	III
17-Jan-2011	SL-117-SA5B-SB-4.0-5.0	6185308	N	METHOD	1613B	III
19-Jan-2011	SL-025-SA5B-SB-4.0-5.0	6186951	N	METHOD	1613B	III
19-Jan-2011	SL-025-SA5B-SB-9.0-10.0	6186952	N	METHOD	1613B	III
19-Jan-2011	SL-048-SA5B-SB-4.0-5.0	6186953	N	METHOD	1613B	III
19-Jan-2011	SL-048-SA5B-SB-9.0-10.0	6186954	N	METHOD	1613B	III
19-Jan-2011	SL-024-SA5B-SB-4.0-5.0	6186955	N	METHOD	1613B	III
19-Jan-2011	SL-024-SA5B-SB-9.0-10.0	6186956	N	METHOD	1613B	III
19-Jan-2011	SL-287-SA5B-SB-4.0-5.0	6186958	N	METHOD	1613B	III
19-Jan-2011	SL-287-SA5B-SB-9.0-10.0	6186959	N	METHOD	1613B	III
19-Jan-2011	SL-022-SA5B-SB-2.0-3.0	6186957	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-022-SA5B-SB-2.0-3.0

Collected: 1/19/2011 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	1.08	JB	0.0252	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.555	JB	0.0102	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0568	JB	0.0162	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.126	JB	0.0172	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0809	JBQ	0.0190	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0994	JB	0.0122	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0974	JBQ	0.0185	MDL	5.13	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0982	JBQ	0.0164	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0417	JB	0.0215	MDL	5.13	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0849	JBQ	0.00708	MDL	5.13	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.141	JB	0.0130	MDL	5.13	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.192	JB	0.00780	MDL	5.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0313	JQ	0.0180	MDL	1.03	PQL	ng/Kg	J	Z
OCDF	0.721	JBQ	0.0273	MDL	10.3	PQL	ng/Kg	U	B

Sample ID: SL-024-SA5B-SB-4.0-5.0

Collected: 1/19/2011 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	0.258	JB	0.0284	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.321	JB	0.0118	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0423	JBQ	0.0190	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0602	JB	0.0160	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0282	JBQ	0.0151	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0391	JB	0.0118	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0280	JBQ	0.0144	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0442	JBQ	0.0148	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0963	JB	0.0117	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0646	JB	0.00808	MDL	5.69	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0292	JQ	0.0205	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	0.808	JB	0.0276	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.286	JB	0.0320	MDL	11.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-024-SA5B-SB-9.0-10.0

Collected: 1/19/2011 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	0.570	JB	0.0318	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.363	JB	0.0105	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0471	JBQ	0.0180	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0854	JBQ	0.0204	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.195	JBQ	0.0243	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0860	JB	0.0151	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.317	JB	0.0243	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.239	JBQ	0.0202	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.123	JBQ	0.00969	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.110	JBQ	0.0169	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0882	JB	0.0105	MDL	5.51	PQL	ng/Kg	U	B
OCDD	4.70	JB	0.0248	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.414	JB	0.0334	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-025-SA5B-SB-4.0-5.0

Collected: 1/19/2011 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	1.23	JB	0.0287	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.476	JB	0.0105	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0848	JBQ	0.0211	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0295	JBQ	0.0214	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.101	JBQ	0.0181	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.410	JB	0.0228	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.116	JB	0.0146	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.623	JB	0.0214	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.344	JBQ	0.0219	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0856	JBQ	0.0263	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0968	JBQ	0.00873	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.163	JB	0.0171	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.124	JBQ	0.0102	MDL	5.46	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0249	JQ	0.0228	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0242	JQ	0.0216	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	0.699	JB	0.0297	MDL	10.9	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 9:29:47 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-025-SA5B-SB-9.0-10.0

Collected: 1/19/2011 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	2.28	JB	0.0374	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.461	JB	0.0161	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0581	JBQ	0.0293	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0646	JB	0.0179	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.122	JBQ	0.0237	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0726	JBQ	0.0142	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.188	JB	0.0234	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.252	JBQ	0.0212	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0748	JB	0.00900	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.109	JBQ	0.0167	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0813	JBQ	0.0103	MDL	5.56	PQL	ng/Kg	U	B
OCDF	0.661	JB	0.0386	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-039-SA5B-SB-4.0-5.0

Collected: 1/17/2011 3:18:00

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	0.809	JBQ	0.0342	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.488	JB	0.0138	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0831	JBQ	0.0250	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.102	JB	0.0233	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.217	JBQ	0.0266	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0916	JB	0.0171	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.316	JBQ	0.0254	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.245	JB	0.0256	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0534	JBQ	0.0310	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0603	JB	0.0107	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.170	JB	0.0186	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.140	JBQ	0.0117	MDL	5.56	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0361	J	0.0252	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	4.67	JB	0.0370	MDL	11.1	PQL	ng/Kg	J	Z
OCDF	0.535	JBQ	0.0430	MDL	11.1	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-039-SA5B-SB-9.0-10.0

Collected: 1/17/2011 3:21:00

Analysis Type: RES

Dilution: 1

Analyte	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	0.0330	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.412	JB	0.0125	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.131	JB	0.0325	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0246	JBQ	0.0160	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.114	JB	0.0242	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0451	JBQ	0.0167	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0967	JB	0.0164	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0199	JBQ	0.0165	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0554	JBQ	0.0312	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0909	JBQ	0.00957	MDL	5.91	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.201	JBQ	0.0199	MDL	5.91	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.124	JBQ	0.0119	MDL	5.91	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0473	JQ	0.0228	MDL	1.18	PQL	ng/Kg	J	Z
OCDD	1.06	JBQ	0.0353	MDL	11.8	PQL	ng/Kg	U	B
OCDF	0.672	JB	0.0585	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-048-SA5B-SB-4.0-5.0

Collected: 1/19/2011 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	0.498	JB	0.0124	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0990	JBQ	0.0260	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0273	JB	0.0211	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0672	JB	0.0188	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.119	JB	0.0219	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0676	JB	0.0141	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0457	JB	0.0228	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0278	JBQ	0.0243	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0180	JB	0.00675	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.113	JBQ	0.0165	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0918	JBQ	0.00742	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0313	JQ	0.0184	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	0.742	JB	0.0396	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-048-SA5B-SB-9.0-10.0

Collected: 1/19/2011 10:44:00

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	0.400	JBQ	0.0264	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.336	JB	0.0102	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0453	JBQ	0.0141	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0825	JBQ	0.0193	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.137	JBQ	0.0182	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0747	JB	0.0155	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.223	JB	0.0177	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.276	JB	0.0178	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0343	JBQ	0.0218	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0676	JBQ	0.00906	MDL	5.39	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.174	JBQ	0.0149	MDL	5.39	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.105	JBQ	0.00895	MDL	5.39	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0446	J	0.0213	MDL	1.08	PQL	ng/Kg	J	Z
OCDD	2.23	JB	0.0257	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.447	JB	0.0245	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-078-SA5B-SB-4.0-5.0

Collected: 1/17/2011 11:47:00

Analysis Type: RES

Dilution: 1

Analyte	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	0.0505	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.485	JB	0.0145	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0961	JB	0.0291	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0402	JBQ	0.0333	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.232	JB	0.0246	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0688	JB	0.0194	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0894	JBQ	0.0332	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.101	JBQ	0.0286	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0632	JBQ	0.0124	MDL	5.91	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.188	JBQ	0.0230	MDL	5.91	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.134	JB	0.0141	MDL	5.91	PQL	ng/Kg	U	B
OCDF	0.626	JB	0.0444	MDL	11.8	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-082-SA5B-SB-2.25-3.25

Collected: 1/17/2011 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	0.778	JBQ	0.0375	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.537	JB	0.0143	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.109	JBQ	0.0288	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.108	JB	0.0256	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.891	JB	0.0294	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.138	JB	0.0187	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.15	JBQ	0.0279	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.51	JB	0.0283	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.174	JB	0.0472	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.344	JB	0.0122	MDL	5.81	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.254	JBQ	0.0221	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.200	JBQ	0.0144	MDL	5.81	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0642	JQ	0.0285	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	5.91	JB	0.0390	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.747	JB	0.0398	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-082-SA5B-SB-7.0-8.0

Collected: 1/17/2011 9:53:00

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	1.49	JBQ	0.0422	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.636	JB	0.0275	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0579	JBQ	0.0293	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0317	JBQ	0.0249	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0951	JBQ	0.0225	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.108	JBQ	0.0257	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0787	JBQ	0.0175	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0923	JB	0.0241	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0629	JB	0.0166	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0384	JB	0.0122	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.157	JBQ	0.0157	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.104	JB	0.0116	MDL	5.77	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0611	JQ	0.0270	MDL	1.15	PQL	ng/Kg	J	Z
OCDD	10.4	JB	0.0389	MDL	11.5	PQL	ng/Kg	J	Z
OCDF	0.706	JBQ	0.0407	MDL	11.5	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-101-SA5B-SB-4.0-5.0

Collected: 1/17/2011 9:49:00

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	0.602	JB	0.0312	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.513	JB	0.0102	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0672	JBQ	0.0183	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.112	JBQ	0.0206	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0247	JBQ	0.0208	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0691	JBQ	0.0157	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0354	JB	0.0203	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0713	JBQ	0.0217	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0120	JBQ	0.00904	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.158	JBQ	0.0172	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.101	JBQ	0.00961	MDL	5.72	PQL	ng/Kg	U	B
OCDD	5.21	JB	0.0285	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.505	JB	0.0304	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-101-SA5B-SB-7.5-8.5

Collected: 1/17/2011 9:59:00

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	0.291	JBQ	0.0272	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.398	JB	0.00851	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0656	JBQ	0.0171	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0159	JB	0.0158	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0928	JB	0.0183	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0251	JBQ	0.0170	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0751	JB	0.0141	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0168	JBQ	0.0157	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0593	JBQ	0.0203	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0105	JBQ	0.00818	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.144	JBQ	0.0158	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0906	JB	0.00862	MDL	5.45	PQL	ng/Kg	U	B
OCDD	0.594	JB	0.0258	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.330	JB	0.0311	MDL	10.9	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-112-SA5B-SB-4.0-5.0

Collected: 1/17/2011 11:39:00

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	0.850	JBQ	0.0325	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.545	JB	0.0118	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0901	JB	0.0215	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0198	JBQ	0.0184	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0737	JB	0.0192	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0635	JBQ	0.0196	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0766	JB	0.0154	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0217	JBQ	0.0180	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0888	JBQ	0.0205	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0433	JB	0.00818	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.151	JBQ	0.0166	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0903	JB	0.00850	MDL	5.38	PQL	ng/Kg	U	B
OCDD	7.94	JB	0.0283	MDL	10.8	PQL	ng/Kg	J	Z
OCDF	0.654	JBQ	0.0320	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-113-SA5B-SB-4.0-5.0

Collected: 1/17/2011 2:29:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.39	JB	0.0331	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.611	JB	0.0122	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.131	JB	0.0287	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.134	JB	0.0241	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.111	JBQ	0.0211	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.101	JB	0.0181	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.101	JBQ	0.0203	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.146	JBQ	0.0315	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0872	JBQ	0.0275	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.129	JBQ	0.00929	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.219	JB	0.0223	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.161	JBQ	0.0113	MDL	5.60	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0347	J	0.0189	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	0.943	JB	0.0373	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-117-SA5B-SB-4.0-5.0

Collected: 1/17/2011 3:54:00

Analysis Type: RES

Dilution: 1

Analyte	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	JB	0.0350	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.635	JB	0.0165	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.102	JB	0.0307	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.162	JBQ	0.0252	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.160	JB	0.0267	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.110	JBQ	0.0216	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.270	JBQ	0.0255	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.270	JBQ	0.0297	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0564	JBQ	0.0363	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.113	JBQ	0.0115	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.215	JB	0.0225	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.143	JBQ	0.0110	MDL	5.65	PQL	ng/Kg	U	B
OCDD	4.39	JB	0.0399	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.666	JBQ	0.0486	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-287-SA5B-SB-4.0-5.0

Collected: 1/19/2011 1:49:00

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	0.570	JB	0.0132	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.123	JB	0.0273	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0329	JBQ	0.0215	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0914	JB	0.0185	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.127	JB	0.0224	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0702	JBQ	0.0141	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0796	JB	0.0211	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0933	JB	0.0219	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0265	JBQ	0.0196	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0405	JBQ	0.00683	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.136	JB	0.0166	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0882	JB	0.00739	MDL	5.60	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0175	JQ	0.0147	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	0.935	JB	0.0307	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-287-SA5B-SB-9.0-10.0

Collected: 1/19/2011 1:53:00

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	0.416	JB	0.0162	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.424	JB	0.0104	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.174	JBQ	0.0174	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.100	JB	0.0166	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.145	JBQ	0.0163	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.174	JB	0.0168	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.164	JB	0.0129	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.223	JB	0.0166	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.244	JB	0.0168	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0916	JBQ	0.0181	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.120	JB	0.00678	MDL	5.22	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.200	JB	0.0136	MDL	5.22	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.181	JB	0.00720	MDL	5.22	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0341	JQ	0.0164	MDL	1.04	PQL	ng/Kg	J	Z
OCDD	1.70	JB	0.0166	MDL	10.4	PQL	ng/Kg	U	B
OCDF	0.529	JBQ	0.0203	MDL	10.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX040

Method Blank Outlier Report

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370638	2/3/2011 6:38:00 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 OCDD OCDF	0.247 ng/Kg 0.455 ng/Kg 0.0955 ng/Kg 0.0261 ng/Kg 0.105 ng/Kg 0.0265 ng/Kg 0.0849 ng/Kg 0.0126 ng/Kg 0.0730 ng/Kg 0.0229 ng/Kg 0.0260 ng/Kg 0.201 ng/Kg 0.0889 ng/Kg 0.591 ng/Kg 0.549 ng/Kg	SL-022-SA5B-SB-2.0-3.0 SL-024-SA5B-SB-4.0-5.0 SL-024-SA5B-SB-9.0-10.0 SL-025-SA5B-SB-4.0-5.0 SL-025-SA5B-SB-9.0-10.0 SL-039-SA5B-SB-4.0-5.0 SL-039-SA5B-SB-9.0-10.0 SL-048-SA5B-SB-4.0-5.0 SL-048-SA5B-SB-9.0-10.0 SL-078-SA5B-SB-4.0-5.0 SL-082-SA5B-SB-2.25-3.25 SL-082-SA5B-SB-7.0-8.0 SL-101-SA5B-SB-4.0-5.0 SL-101-SA5B-SB-7.5-8.5 SL-112-SA5B-SB-4.0-5.0 SL-113-SA5B-SB-4.0-5.0 SL-117-SA5B-SB-4.0-5.0 SL-287-SA5B-SB-4.0-5.0 SL-287-SA5B-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-022-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	1.08 ng/Kg	1.08U ng/Kg
SL-022-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.555 ng/Kg	0.555U ng/Kg
SL-022-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0568 ng/Kg	0.0568U ng/Kg
SL-022-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDF	0.126 ng/Kg	0.126U ng/Kg
SL-022-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDD	0.0809 ng/Kg	0.0809U ng/Kg
SL-022-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDF	0.0994 ng/Kg	0.0994U ng/Kg
SL-022-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HxCDF	0.0982 ng/Kg	0.0982U ng/Kg
SL-022-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0417 ng/Kg	0.0417U ng/Kg
SL-022-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0849 ng/Kg	0.0849U ng/Kg
SL-022-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HxCDF	0.141 ng/Kg	0.141U ng/Kg
SL-022-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.192 ng/Kg	0.192U ng/Kg
SL-022-SA5B-SB-2.0-3.0(RES)	OCDF	0.721 ng/Kg	0.721U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.258 ng/Kg	0.258U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.321 ng/Kg	0.321U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0423 ng/Kg	0.0423U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0602 ng/Kg	0.0602U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0282 ng/Kg	0.0282U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0391 ng/Kg	0.0391U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0280 ng/Kg	0.0280U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0442 ng/Kg	0.0442U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0963 ng/Kg	0.0963U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0646 ng/Kg	0.0646U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	OCDD	0.808 ng/Kg	0.808U ng/Kg
SL-024-SA5B-SB-4.0-5.0(RES)	OCDF	0.286 ng/Kg	0.286U ng/Kg
SL-024-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.570 ng/Kg	0.570U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_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-024-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.363 ng/Kg	0.363U ng/Kg
SL-024-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0471 ng/Kg	0.0471U ng/Kg
SL-024-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0854 ng/Kg	0.0854U ng/Kg
SL-024-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0860 ng/Kg	0.0860U ng/Kg
SL-024-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.239 ng/Kg	0.239U ng/Kg
SL-024-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.123 ng/Kg	0.123U ng/Kg
SL-024-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.110 ng/Kg	0.110U ng/Kg
SL-024-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0882 ng/Kg	0.0882U ng/Kg
SL-024-SA5B-SB-9.0-10.0(RES)	OCDF	0.414 ng/Kg	0.414U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.23 ng/Kg	1.23U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.476 ng/Kg	0.476U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0848 ng/Kg	0.0848U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0295 ng/Kg	0.0295U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.101 ng/Kg	0.101U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.116 ng/Kg	0.116U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.344 ng/Kg	0.344U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0856 ng/Kg	0.0856U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0968 ng/Kg	0.0968U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.163 ng/Kg	0.163U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.124 ng/Kg	0.124U ng/Kg
SL-025-SA5B-SB-4.0-5.0(RES)	OCDF	0.699 ng/Kg	0.699U ng/Kg
SL-025-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.461 ng/Kg	0.461U ng/Kg
SL-025-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0581 ng/Kg	0.0581U ng/Kg
SL-025-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0648 ng/Kg	0.0648U ng/Kg
SL-025-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.122 ng/Kg	0.122U ng/Kg
SL-025-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0726 ng/Kg	0.0726U ng/Kg
SL-025-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.252 ng/Kg	0.252U ng/Kg
SL-025-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0748 ng/Kg	0.0748U ng/Kg
SL-025-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.109 ng/Kg	0.109U ng/Kg
SL-025-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0813 ng/Kg	0.0813U ng/Kg
SL-025-SA5B-SB-9.0-10.0(RES)	OCDF	0.661 ng/Kg	0.661U ng/Kg
SL-039-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.809 ng/Kg	0.809U ng/Kg
SL-039-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.488 ng/Kg	0.488U ng/Kg
SL-039-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0831 ng/Kg	0.0831U ng/Kg
SL-039-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.102 ng/Kg	0.102U ng/Kg
SL-039-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0916 ng/Kg	0.0916U ng/Kg
SL-039-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.245 ng/Kg	0.245U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_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-039-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0534 ng/Kg	0.0534U ng/Kg
SL-039-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0603 ng/Kg	0.0603U ng/Kg
SL-039-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.170 ng/Kg	0.170U ng/Kg
SL-039-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.140 ng/Kg	0.140U ng/Kg
SL-039-SA5B-SB-4.0-5.0(RES)	OCDF	0.535 ng/Kg	0.535U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.342 ng/Kg	0.342U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.412 ng/Kg	0.412U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.131 ng/Kg	0.131U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0246 ng/Kg	0.0246U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.114 ng/Kg	0.114U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0451 ng/Kg	0.0451U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0967 ng/Kg	0.0967U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0199 ng/Kg	0.0199U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0554 ng/Kg	0.0554U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0909 ng/Kg	0.0909U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.201 ng/Kg	0.201U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.124 ng/Kg	0.124U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	OCDD	1.06 ng/Kg	1.06U ng/Kg
SL-039-SA5B-SB-9.0-10.0(RES)	OCDF	0.672 ng/Kg	0.672U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.498 ng/Kg	0.498U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0990 ng/Kg	0.0990U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0273 ng/Kg	0.0273U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0672 ng/Kg	0.0672U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.119 ng/Kg	0.119U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0676 ng/Kg	0.0676U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0457 ng/Kg	0.0457U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0278 ng/Kg	0.0278U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0180 ng/Kg	0.0180U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.113 ng/Kg	0.113U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0918 ng/Kg	0.0918U ng/Kg
SL-048-SA5B-SB-4.0-5.0(RES)	OCDF	0.742 ng/Kg	0.742U ng/Kg
SL-048-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.400 ng/Kg	0.400U ng/Kg
SL-048-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.336 ng/Kg	0.336U ng/Kg
SL-048-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0453 ng/Kg	0.0453U ng/Kg
SL-048-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0825 ng/Kg	0.0825U ng/Kg
SL-048-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0747 ng/Kg	0.0747U ng/Kg
SL-048-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.276 ng/Kg	0.276U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_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-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0343 ng/Kg	0.0343U ng/Kg
SL-048-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0676 ng/Kg	0.0676U ng/Kg
SL-048-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.174 ng/Kg	0.174U ng/Kg
SL-048-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.105 ng/Kg	0.105U ng/Kg
SL-048-SA5B-SB-9.0-10.0(RES)	OCDD	2.23 ng/Kg	2.23U ng/Kg
SL-048-SA5B-SB-9.0-10.0(RES)	OCDF	0.447 ng/Kg	0.447U ng/Kg
SL-078-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.485 ng/Kg	0.485U ng/Kg
SL-078-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0961 ng/Kg	0.0961U ng/Kg
SL-078-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0402 ng/Kg	0.0402U ng/Kg
SL-078-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.232 ng/Kg	0.232U ng/Kg
SL-078-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0688 ng/Kg	0.0688U ng/Kg
SL-078-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.101 ng/Kg	0.101U ng/Kg
SL-078-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0632 ng/Kg	0.0632U ng/Kg
SL-078-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.188 ng/Kg	0.188U ng/Kg
SL-078-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.134 ng/Kg	0.134U ng/Kg
SL-078-SA5B-SB-4.0-5.0(RES)	OCDF	0.626 ng/Kg	0.626U ng/Kg
SL-082-SA5B-SB-2.25-3.25(RES)	1,2,3,4,6,7,8-HPCDD	0.778 ng/Kg	0.778U ng/Kg
SL-082-SA5B-SB-2.25-3.25(RES)	1,2,3,4,6,7,8-HPCDF	0.537 ng/Kg	0.537U ng/Kg
SL-082-SA5B-SB-2.25-3.25(RES)	1,2,3,4,7,8,9-HPCDF	0.109 ng/Kg	0.109U ng/Kg
SL-082-SA5B-SB-2.25-3.25(RES)	1,2,3,4,7,8-HXCDF	0.108 ng/Kg	0.108U ng/Kg
SL-082-SA5B-SB-2.25-3.25(RES)	1,2,3,6,7,8-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-082-SA5B-SB-2.25-3.25(RES)	2,3,4,6,7,8-HXCDF	0.254 ng/Kg	0.254U ng/Kg
SL-082-SA5B-SB-2.25-3.25(RES)	2,3,4,7,8-PECDF	0.200 ng/Kg	0.200U ng/Kg
SL-082-SA5B-SB-2.25-3.25(RES)	OCDF	0.747 ng/Kg	0.747U ng/Kg
SL-082-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.636 ng/Kg	0.636U ng/Kg
SL-082-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0579 ng/Kg	0.0579U ng/Kg
SL-082-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HxCDD	0.0317 ng/Kg	0.0317U ng/Kg
SL-082-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.0951 ng/Kg	0.0951U ng/Kg
SL-082-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDD	0.108 ng/Kg	0.108U ng/Kg
SL-082-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDF	0.0787 ng/Kg	0.0787U ng/Kg
SL-082-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.0629 ng/Kg	0.0629U ng/Kg
SL-082-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.0384 ng/Kg	0.0384U ng/Kg
SL-082-SA5B-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.157 ng/Kg	0.157U ng/Kg
SL-082-SA5B-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.104 ng/Kg	0.104U ng/Kg
SL-082-SA5B-SB-7.0-8.0(RES)	OCDF	0.706 ng/Kg	0.706U ng/Kg
SL-101-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.602 ng/Kg	0.602U ng/Kg
SL-101-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.513 ng/Kg	0.513U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_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-101-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0872 ng/Kg	0.0672U ng/Kg
SL-101-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.112 ng/Kg	0.112U ng/Kg
SL-101-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0247 ng/Kg	0.0247U ng/Kg
SL-101-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0691 ng/Kg	0.0691U ng/Kg
SL-101-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0354 ng/Kg	0.0354U ng/Kg
SL-101-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0713 ng/Kg	0.0713U ng/Kg
SL-101-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0120 ng/Kg	0.0120U ng/Kg
SL-101-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.158 ng/Kg	0.158U ng/Kg
SL-101-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.101 ng/Kg	0.101U ng/Kg
SL-101-SA5B-SB-4.0-5.0(RES)	OCDF	0.505 ng/Kg	0.505U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDD	0.291 ng/Kg	0.291U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDF	0.398 ng/Kg	0.398U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0658 ng/Kg	0.0656U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	1,2,3,4,7,8-HxCDD	0.0159 ng/Kg	0.0159U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	1,2,3,4,7,8-HXCDF	0.0928 ng/Kg	0.0928U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	1,2,3,6,7,8-HXCDD	0.0251 ng/Kg	0.0251U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	1,2,3,6,7,8-HXCDF	0.0751 ng/Kg	0.0751U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDD	0.0168 ng/Kg	0.0168U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDF	0.0593 ng/Kg	0.0593U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	1,2,3,7,8-PECDF	0.0105 ng/Kg	0.0105U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	2,3,4,6,7,8-HXCDF	0.144 ng/Kg	0.144U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	2,3,4,7,8-PECDF	0.0906 ng/Kg	0.0906U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	OCDD	0.594 ng/Kg	0.594U ng/Kg
SL-101-SA5B-SB-7.5-8.5(RES)	OCDF	0.330 ng/Kg	0.330U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.850 ng/Kg	0.850U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.545 ng/Kg	0.545U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0901 ng/Kg	0.0901U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0198 ng/Kg	0.0198U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0737 ng/Kg	0.0737U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0635 ng/Kg	0.0635U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0766 ng/Kg	0.0766U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0217 ng/Kg	0.0217U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0888 ng/Kg	0.0888U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0433 ng/Kg	0.0433U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.151 ng/Kg	0.151U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0903 ng/Kg	0.0903U ng/Kg
SL-112-SA5B-SB-4.0-5.0(RES)	OCDF	0.654 ng/Kg	0.654U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_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-113-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.611 ng/Kg	0.611U ng/Kg
SL-113-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.131 ng/Kg	0.131U ng/Kg
SL-113-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.134 ng/Kg	0.134U ng/Kg
SL-113-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.111 ng/Kg	0.111U ng/Kg
SL-113-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.101 ng/Kg	0.101U ng/Kg
SL-113-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.146 ng/Kg	0.146U ng/Kg
SL-113-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0872 ng/Kg	0.0872U ng/Kg
SL-113-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.129 ng/Kg	0.129U ng/Kg
SL-113-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.219 ng/Kg	0.219U ng/Kg
SL-113-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.161 ng/Kg	0.161U ng/Kg
SL-113-SA5B-SB-4.0-5.0(RES)	OCDF	0.943 ng/Kg	0.943U ng/Kg
SL-117-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.585 ng/Kg	0.585U ng/Kg
SL-117-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.635 ng/Kg	0.635U ng/Kg
SL-117-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.102 ng/Kg	0.102U ng/Kg
SL-117-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.162 ng/Kg	0.162U ng/Kg
SL-117-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.110 ng/Kg	0.110U ng/Kg
SL-117-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.270 ng/Kg	0.270U ng/Kg
SL-117-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0564 ng/Kg	0.0564U ng/Kg
SL-117-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.113 ng/Kg	0.113U ng/Kg
SL-117-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.215 ng/Kg	0.215U ng/Kg
SL-117-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.143 ng/Kg	0.143U ng/Kg
SL-117-SA5B-SB-4.0-5.0(RES)	OCDF	0.666 ng/Kg	0.666U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.570 ng/Kg	0.570U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.123 ng/Kg	0.123U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0329 ng/Kg	0.0329U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0914 ng/Kg	0.0914U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.127 ng/Kg	0.127U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0702 ng/Kg	0.0702U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0933 ng/Kg	0.0933U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0265 ng/Kg	0.0265U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0405 ng/Kg	0.0405U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.136 ng/Kg	0.136U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0882 ng/Kg	0.0882U ng/Kg
SL-287-SA5B-SB-4.0-5.0(RES)	OCDF	0.935 ng/Kg	0.935U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.416 ng/Kg	0.416U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.424 ng/Kg	0.424U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.174 ng/Kg	0.174U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_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-287-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.100 ng/Kg	0.100U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.145 ng/Kg	0.145U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.164 ng/Kg	0.164U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.244 ng/Kg	0.244U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0916 ng/Kg	0.0916U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.120 ng/Kg	0.120U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.200 ng/Kg	0.200U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.181 ng/Kg	0.181U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	OCDD	1.70 ng/Kg	1.70U ng/Kg
SL-287-SA5B-SB-9.0-10.0(RES)	OCDF	0.529 ng/Kg	0.529U ng/Kg

Reporting Limit Outliers

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-022-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	1.08	5.13	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.555	5.13	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0568	5.13	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.126	5.13	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0809	5.13	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0994	5.13	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0974	5.13	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0982	5.13	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0417	5.13	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0849	5.13	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.141	5.13	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.192	5.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0313	1.03	PQL	ng/Kg	
	OCDF	JBQ	0.721	10.3	PQL	ng/Kg	
SL-024-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.258	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.321	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0423	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0602	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0282	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0391	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0280	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0442	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0963	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0646	5.69	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0292	1.14	PQL	ng/Kg	
	OCDD	JB	0.808	11.4	PQL	ng/Kg	
	OCDF	JB	0.286	11.4	PQL	ng/Kg	
SL-024-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.570	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.363	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0471	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0854	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.195	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0860	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.317	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.239	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.123	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.110	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0882	5.51	PQL	ng/Kg	
	OCDD	JB	4.70	11.0	PQL	ng/Kg	
	OCDF	JB	0.414	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-025-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.23	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.476	5.46	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0848	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0295	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.101	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.410	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.116	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.623	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.344	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0856	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0968	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.163	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.124	5.46	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0249	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0242	1.09	PQL	ng/Kg	
	OCDF	JB	0.699	10.9	PQL	ng/Kg	
SL-025-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	2.28	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.461	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0581	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0646	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.122	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0726	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.188	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.252	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0748	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.109	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0813	5.56	PQL	ng/Kg	
	OCDF	JB	0.661	11.1	PQL	ng/Kg	
SL-039-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.809	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.488	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0831	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.102	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.217	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0916	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.316	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.245	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0534	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0603	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.170	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.140	5.56	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0361	1.11	PQL	ng/Kg	
	OCDD	JB	4.67	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.535	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-039-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.342	5.91	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.412	5.91	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.131	5.91	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0246	5.91	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.114	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0451	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0967	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0199	5.91	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0554	5.91	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0909	5.91	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.201	5.91	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.124	5.91	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0473	1.18	PQL	ng/Kg	
	OCDD	JBQ	1.06	11.8	PQL	ng/Kg	
	OCDF	JB	0.672	11.8	PQL	ng/Kg	
SL-048-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	0.498	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0990	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0273	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0672	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.119	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0676	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0457	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0278	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0180	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.113	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0918	5.62	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0313	1.12	PQL	ng/Kg	
	OCDF	JB	0.742	11.2	PQL	ng/Kg	
SL-048-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.400	5.39	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.336	5.39	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0453	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0825	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.137	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0747	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.223	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.276	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0343	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0676	5.39	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.174	5.39	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.105	5.39	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0446	1.08	PQL	ng/Kg	
	OCDD	JB	2.23	10.8	PQL	ng/Kg	
	OCDF	JB	0.447	10.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-078-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.60	5.91	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.485	5.91	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0961	5.91	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0402	5.91	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.232	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0688	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0894	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.101	5.91	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JBQ	0.0632	5.91	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.188	5.91	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JB	0.134	5.91	PQL	ng/Kg	
	OCDF	JB	0.626	11.8	PQL	ng/Kg	
SL-082-SA5B-SB-2.25-3.25	1,2,3,4,6,7,8-HPCDD	JBQ	0.778	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.537	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.109	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.108	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.891	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.138	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	1.15	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.51	5.81	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.174	5.81	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.344	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.254	5.81	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.200	5.81	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0642	1.16	PQL	ng/Kg	
	OCDD	JB	5.91	11.6	PQL	ng/Kg	
	OCDF	JB	0.747	11.6	PQL	ng/Kg	
SL-082-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JBQ	1.49	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.636	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0579	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0317	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0951	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.108	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0787	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0923	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0629	5.77	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.0384	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.157	5.77	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JB	0.104	5.77	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0611	1.15	PQL	ng/Kg	
	OCDD	JB	10.4	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.706	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-101-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.602	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.513	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0672	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.112	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0247	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0691	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0354	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0713	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0120	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.158	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.101	5.72	PQL	ng/Kg	
	OCDD	JB	5.21	11.4	PQL	ng/Kg	
	OCDF	JB	0.505	11.4	PQL	ng/Kg	
SL-101-SA5B-SB-7.5-8.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.291	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.398	5.45	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0656	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0159	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0928	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0251	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0751	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0168	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0593	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0105	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.144	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0906	5.45	PQL	ng/Kg	
	OCDD	JB	0.594	10.9	PQL	ng/Kg	
	OCDF	JB	0.330	10.9	PQL	ng/Kg	
SL-112-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.850	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.545	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0901	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0198	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0737	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0635	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0766	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0217	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0888	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0433	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.151	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0903	5.38	PQL	ng/Kg	
	OCDD	JB	7.94	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.654	10.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-113-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.39	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.611	5.60	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.131	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.134	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.111	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.101	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.101	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.146	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0872	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.129	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.219	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.161	5.60	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0347	1.12	PQL	ng/Kg	
	OCDF	JB	0.943	11.2	PQL	ng/Kg	
SL-117-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.585	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.635	5.65	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.102	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.162	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.160	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.110	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.270	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.270	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0564	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.113	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.215	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.143	5.65	PQL	ng/Kg	
	OCDD	JB	4.39	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.666	11.3	PQL	ng/Kg	
SL-287-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	0.570	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.123	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0329	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0914	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.127	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0702	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0796	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0933	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0265	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0405	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.136	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0882	5.60	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0175	1.12	PQL	ng/Kg	
	OCDF	JB	0.935	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX040

Laboratory: LL

EDD Filename: DX040_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-287-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.416	5.22	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.424	5.22	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.174	5.22	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.100	5.22	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.145	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.174	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.164	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.223	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.244	5.22	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0916	5.22	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.120	5.22	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.200	5.22	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.181	5.22	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0341	1.04	PQL	ng/Kg	
	OCDD	JB	1.70	10.4	PQL	ng/Kg	
	OCDF	JBQ	0.529	10.4	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX041

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
18-Jan-2011	SL-295-SA5B-SB-4.0-5.0	6185968	N	METHOD	1613B	III
18-Jan-2011	SL-295-SA5B-SB-9.0-10.0	6185969	N	METHOD	1613B	III
18-Jan-2011	SL-118-SA5B-SB-4.0-5.0	6185970	N	METHOD	1613B	III
18-Jan-2011	SL-118-SA5B-SB-8.0-9.0	6185971	N	METHOD	1613B	III
18-Jan-2011	SL-296-SA5B-SB-4.0-5.0	6185966	N	METHOD	1613B	III
18-Jan-2011	SL-296-SA5B-SB-9.0-10.0	6185967	N	METHOD	1613B	III
18-Jan-2011	SL-116-SA5B-SB-4.0-5.0	6185972	N	METHOD	1613B	III
18-Jan-2011	SL-283-SA5B-SB-4.0-5.0	6185973	N	METHOD	1613B	III
18-Jan-2011	SL-283-SA5B-SB-9.0-10.0	6185974	N	METHOD	1613B	III
18-Jan-2011	SL-114-SA5B-SB-4.0-5.0	6185978	N	METHOD	1613B	III
18-Jan-2011	SL-280-SA5B-SB-4.0-5.0	6185975	N	METHOD	1613B	III
18-Jan-2011	SL-280-SA5B-SB-9.0-10.0	6185976	N	METHOD	1613B	III
18-Jan-2011	SL-115-SA5B-SB-4.0-5.0	6185977	N	METHOD	1613B	III
19-Jan-2011	SL-049-SA5B-SB-9.0-10.0	6186961	N	METHOD	1613B	III
19-Jan-2011	SL-031-SA5B-SB-4.0-5.0	6186962	N	METHOD	1613B	III
19-Jan-2011	SL-049-SA5B-SB-4.0-5.0	6186960	N	METHOD	1613B	III
19-Jan-2011	SL-031-SA5B-SB-9.0-10.0	6186963	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVQA
Method:	1613B
Matrix:	SO

Sample ID: SL-031-SA5B-SB-4.0-5.0

Collected: 1/19/2011 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	0.661	JBQ	0.0194	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.200	JB	0.00693	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0381	JB	0.0137	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0213	JBQ	0.0135	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0589	JB	0.0137	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.379	JB	0.0137	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0947	JB	0.0114	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.548	JBQ	0.0142	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.324	JB	0.0158	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0905	JB	0.0229	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0981	JB	0.00704	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0848	JBQ	0.0133	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0942	JBQ	0.00751	MDL	5.77	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0243	JBQ	0.0128	MDL	1.15	PQL	ng/Kg	U	B
OCDD	5.90	JB	0.0167	MDL	11.5	PQL	ng/Kg	J	Z
OCDF	0.321	JB	0.0258	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-031-SA5B-SB-9.0-10.0

Collected: 1/19/2011 4:05:00

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	0.349	JB	0.0167	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.177	JB	0.0102	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0540	JBQ	0.0160	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0273	JBQ	0.0128	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0470	JBQ	0.0122	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.153	JBQ	0.0131	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0608	JBQ	0.0108	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.158	JBQ	0.0122	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0601	JBQ	0.0131	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0518	JBQ	0.0186	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0584	JB	0.00581	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0759	JB	0.0116	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.125	JB	0.00614	MDL	5.38	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0185	JBQ	0.0155	MDL	1.08	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-031-SA5B-SB-9.0-10.0

Collected: 1/19/2011 4:05:00

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-TCDF	0.0316	JBQ	0.0137	MDL	1.08	PQL	ng/Kg	U	B
OCDD	1.85	JB	0.0182	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.169	JB	0.0182	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-049-SA5B-SB-4.0-5.0

Collected: 1/19/2011 4:04:00

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	3.95	JB	0.0279	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.495	JB	0.0138	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0857	JB	0.0192	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0278	JBQ	0.0181	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.183	JB	0.0200	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.168	JB	0.0187	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0652	JBQ	0.0153	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.132	JBQ	0.0183	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.114	JBQ	0.0168	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0420	JBQ	0.0193	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0588	JB	0.00926	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0660	JB	0.0144	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.109	JB	0.00959	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0266	JBQ	0.0150	MDL	1.09	PQL	ng/Kg	U	B
OCDF	1.08	JB	0.0209	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-049-SA5B-SB-9.0-10.0

Collected: 1/19/2011 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	2.36	JB	0.0272	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.284	JB	0.0100	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0591	JB	0.0157	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0340	JBQ	0.0145	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.149	JB	0.0143	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0896	JB	0.0146	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0461	JBQ	0.0124	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0780	JBQ	0.0144	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0628	JB	0.0143	MDL	5.18	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-049-SA5B-SB-9.0-10.0

Collected: 1/19/2011 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
1,2,3,7,8-PECDD	0.0289	JBQ	0.0160	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0639	JBQ	0.00839	MDL	5.18	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0471	JB	0.0126	MDL	5.18	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0637	JBQ	0.00839	MDL	5.18	PQL	ng/Kg	U	B
OCDF	0.605	JBQ	0.0188	MDL	10.4	PQL	ng/Kg	U	B

Sample ID: SL-114-SA5B-SB-4.0-5.0

Collected: 1/18/2011 2:34:00

Analysis Type: RES

Dilution: 1

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	0.881	JB	0.0159	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0936	JB	0.0208	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.101	JB	0.0254	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.135	JB	0.0166	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.321	JBQ	0.0269	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0886	JBQ	0.0156	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.312	JB	0.0264	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.186	JB	0.0177	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0674	JBQ	0.0188	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.133	JBQ	0.00958	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0893	JBQ	0.0168	MDL	5.44	PQL	ng/Kg	U	B
OCDF	2.39	JB	0.0214	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-115-SA5B-SB-4.0-5.0

Collected: 1/18/2011 3:59:00

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	2.55	JB	0.0231	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.541	JB	0.0129	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0654	JB	0.0158	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0480	JBQ	0.0186	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.109	JB	0.0186	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.218	JB	0.0196	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0724	JBQ	0.0155	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.268	JBQ	0.0189	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.202	JB	0.0169	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0548	JBQ	0.0199	MDL	5.53	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-115-SA5B-SB-4.0-5.0

Collected: 1/18/2011 3:59:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.0792	JB	0.0156	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.109	JBQ	0.00929	MDL	5.53	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0336	JBQ	0.0200	MDL	1.11	PQL	ng/Kg	U	B
OCDF	1.20	JB	0.0187	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-116-SA5B-SB-4.0-5.0

Collected: 1/18/2011 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	0.316	JB	0.0181	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.185	JB	0.0122	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0721	JB	0.0168	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0412	JBQ	0.0168	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0464	JBQ	0.0137	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.128	JBQ	0.0171	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0593	JB	0.0107	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.176	JB	0.0165	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.206	JB	0.0121	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0452	JB	0.0227	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0662	JBQ	0.00608	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0855	JB	0.0111	MDL	5.74	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0843	JBQ	0.00586	MDL	5.74	PQL	ng/Kg	U	B
OCDD	1.33	JB	0.0177	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.237	JB	0.0206	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-118-SA5B-SB-4.0-5.0

Collected: 1/18/2011 9:59:00

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	0.206	JBQ	0.0190	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.198	JB	0.0156	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0688	JB	0.0169	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0248	JBQ	0.0143	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0696	JBQ	0.0177	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0395	JBQ	0.0136	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0543	JBQ	0.0131	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0439	JB	0.0128	MDL	5.70	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA	
Method:	1613B	Matrix: SO

Sample ID: SL-118-SA5B-SB-4.0-5.0

Collected: 1/18/2011 9:59:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.0630	JBQ	0.0129	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0794	JBQ	0.0214	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0452	JBQ	0.00639	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0898	JBQ	0.0106	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0808	JB	0.00639	MDL	5.70	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0264	JB	0.0211	MDL	1.14	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0189	JBQ	0.0130	MDL	1.14	PQL	ng/Kg	U	B
OCDD	0.601	JB	0.0212	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.200	JB	0.0226	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-118-SA5B-SB-8.0-9.0

Collected: 1/18/2011 10:08:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.329	JB	0.0211	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.227	JBQ	0.0136	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0695	JBQ	0.0218	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0234	JBQ	0.0194	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0755	JBQ	0.0152	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0659	JB	0.0192	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0630	JB	0.0114	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0863	JBQ	0.0192	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0974	JB	0.0144	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0424	JBQ	0.0251	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0397	JBQ	0.00696	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0907	JBQ	0.0119	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0751	JB	0.00718	MDL	5.61	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0444	JBQ	0.0263	MDL	1.12	PQL	ng/Kg	U	B
OCDD	0.645	JB	0.0204	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.219	JB	0.0242	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-280-SA5B-SB-4.0-5.0

Collected: 1/18/2011 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	0.223	JB	0.0187	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.209	JBQ	0.0131	MDL	5.56	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-280-SA5B-SB-4.0-5.0

Collected: 1/18/2011 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
1,2,3,4,7,8,9-HPCDF	0.0556	JBQ	0.0141	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0883	JBQ	0.0202	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.122	JBQ	0.0155	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0573	JBQ	0.0143	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.165	JB	0.0142	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.117	JB	0.0113	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0621	JBQ	0.0200	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0533	JB	0.00590	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0665	JB	0.0101	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0812	JBQ	0.00545	MDL	5.56	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0211	JB	0.0180	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0172	JBQ	0.0135	MDL	1.11	PQL	ng/Kg	U	B
OCDD	0.881	JB	0.0195	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.209	JBQ	0.0228	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-280-SA5B-SB-9.0-10.0

Collected: 1/18/2011 3:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.271	JBQ	0.0219	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.204	JBQ	0.0187	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0679	JB	0.0201	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0198	JBQ	0.0172	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0745	JBQ	0.0257	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0844	JB	0.0166	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0556	JBQ	0.0171	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.136	JB	0.0147	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.135	JB	0.0133	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0279	JB	0.0233	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0414	JBQ	0.00699	MDL	5.92	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0606	JBQ	0.0114	MDL	5.92	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0997	JBQ	0.00746	MDL	5.92	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0193	JBQ	0.0140	MDL	1.18	PQL	ng/Kg	U	B
OCDD	0.767	JB	0.0269	MDL	11.8	PQL	ng/Kg	U	B
OCDF	0.177	JB	0.0295	MDL	11.8	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-283-SA5B-SB-4.0-5.0

Collected: 1/18/2011 12:48:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.707	JB	0.0172	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.126	JB	0.0194	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0615	JB	0.0245	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.141	JB	0.0223	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.386	JB	0.0253	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.106	JBQ	0.0169	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.192	JBQ	0.0239	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.171	JB	0.0175	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0980	JBQ	0.0235	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.102	JB	0.00766	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.124	JBQ	0.0160	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.124	JB	0.00766	MDL	5.63	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0337	JBQ	0.0175	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0353	JB	0.0169	MDL	1.13	PQL	ng/Kg	U	B
OCDF	1.82	JB	0.0217	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-283-SA5B-SB-9.0-10.0

Collected: 1/18/2011 12:53:00

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	4.72	JB	0.0278	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.690	JB	0.0145	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.187	JB	0.0180	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.182	JBQ	0.0195	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.207	JBQ	0.0175	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.356	JB	0.0198	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.191	JB	0.0140	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.337	JB	0.0199	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.255	JB	0.0150	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.211	JBQ	0.0187	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.198	JBQ	0.00724	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.216	JB	0.0144	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.244	JB	0.00724	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0394	JB	0.0166	MDL	1.13	PQL	ng/Kg	U	B
OCDF	1.27	JB	0.0189	MDL	11.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-295-SA5B-SB-4.0-5.0

Collected: 1/18/2011 9:44:00

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	0.283	JB	0.0200	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.177	JBQ	0.0110	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0764	JBQ	0.0159	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0485	JBQ	0.0133	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0410	JB	0.0146	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0621	JBQ	0.0137	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0569	JB	0.0111	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0960	JBQ	0.0133	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.123	JB	0.0126	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0351	JBQ	0.0173	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0519	JBQ	0.00629	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0930	JB	0.0111	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0795	JBQ	0.00640	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0226	JBQ	0.0173	MDL	1.14	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0203	JBQ	0.0127	MDL	1.14	PQL	ng/Kg	U	B
OCDD	0.887	JB	0.0205	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.228	JB	0.0217	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-295-SA5B-SB-9.0-10.0

Collected: 1/18/2011 9:48:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.429	JB	0.0194	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.258	JB	0.0122	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0903	JBQ	0.0174	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0302	JBQ	0.0136	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0745	JBQ	0.0142	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0705	JB	0.0140	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0721	JB	0.0112	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0700	JBQ	0.0136	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.113	JB	0.0136	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0551	JB	0.00596	MDL	5.85	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0922	JBQ	0.0120	MDL	5.85	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0962	JB	0.00608	MDL	5.85	PQL	ng/Kg	U	B
OCDD	1.72	JB	0.0180	MDL	11.7	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-295-SA5B-SB-9.0-10.0

Collected: 1/18/2011 9:48:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.271	JB	0.0207	MDL	11.7	PQL	ng/Kg	U	B

Sample ID: SL-296-SA5B-SB-4.0-5.0

Collected: 1/18/2011 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	4.66	JB	0.0236	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.619	JBQ	0.0127	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.139	JB	0.0175	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0603	JBQ	0.0187	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.116	JB	0.0154	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.233	JB	0.0193	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0982	JBQ	0.0134	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.229	JB	0.0192	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.171	JB	0.0159	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.107	JB	0.0186	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.111	JBQ	0.00757	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.125	JB	0.0150	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.142	JBQ	0.00735	MDL	5.49	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0463	JBQ	0.0165	MDL	1.10	PQL	ng/Kg	U	B
OCDF	1.14	JB	0.0164	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-296-SA5B-SB-9.0-10.0

Collected: 1/18/2011 11:24:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.95	JB	0.0224	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.454	JB	0.0125	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0935	JB	0.0176	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0335	JBQ	0.0161	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0895	JBQ	0.0132	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.217	JB	0.0165	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0812	JB	0.0110	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.228	JBQ	0.0160	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.188	JB	0.0138	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0942	JBQ	0.0182	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0798	JB	0.00695	MDL	5.51	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-296-SA5B-SB-9.0-10.0

Collected: 1/18/2011 11:24:00

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	0.0924	JB	0.0121	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.134	JB	0.00684	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0313	JB	0.0152	MDL	1.10	PQL	ng/Kg	U	B
OCDF	1.20	JB	0.0191	MDL	11.0	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX041

Method Blank Outlier Report

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370839	2/5/2011 8:39:00 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-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	0.306 ng/Kg 0.289 ng/Kg 0.160 ng/Kg 0.0492 ng/Kg 0.104 ng/Kg 0.0659 ng/Kg 0.0991 ng/Kg 0.0805 ng/Kg 0.114 ng/Kg 0.0673 ng/Kg 0.0841 ng/Kg 0.119 ng/Kg 0.127 ng/Kg 0.0357 ng/Kg 0.0319 ng/Kg 0.730 ng/Kg 0.418 ng/Kg	SL-031-SA5B-SB-4.0-5.0 SL-031-SA5B-SB-9.0-10.0 SL-049-SA5B-SB-4.0-5.0 SL-049-SA5B-SB-9.0-10.0 SL-114-SA5B-SB-4.0-5.0 SL-115-SA5B-SB-4.0-5.0 SL-116-SA5B-SB-4.0-5.0 SL-118-SA5B-SB-4.0-5.0 SL-118-SA5B-SB-8.0-9.0 SL-280-SA5B-SB-4.0-5.0 SL-280-SA5B-SB-9.0-10.0 SL-283-SA5B-SB-4.0-5.0 SL-283-SA5B-SB-9.0-10.0 SL-295-SA5B-SB-4.0-5.0 SL-295-SA5B-SB-9.0-10.0 SL-296-SA5B-SB-4.0-5.0 SL-296-SA5B-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-031-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.661 ng/Kg	0.661U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.200 ng/Kg	0.200U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0381 ng/Kg	0.0381U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0213 ng/Kg	0.0213U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0589 ng/Kg	0.0589U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0947 ng/Kg	0.0947U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.324 ng/Kg	0.324U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0905 ng/Kg	0.0905U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0981 ng/Kg	0.0981U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0848 ng/Kg	0.0848U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0942 ng/Kg	0.0942U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0243 ng/Kg	0.0243U ng/Kg
SL-031-SA5B-SB-4.0-5.0(RES)	OCDF	0.321 ng/Kg	0.321U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.349 ng/Kg	0.349U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.177 ng/Kg	0.177U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0540 ng/Kg	0.0540U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0273 ng/Kg	0.0273U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0470 ng/Kg	0.0470U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.153 ng/Kg	0.153U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0608 ng/Kg	0.0608U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.158 ng/Kg	0.158U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0601 ng/Kg	0.0601U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0518 ng/Kg	0.0518U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0584 ng/Kg	0.0584U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0759 ng/Kg	0.0759U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.125 ng/Kg	0.125U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_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-031-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0185 ng/Kg	0.0185U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0316 ng/Kg	0.0316U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	OCDD	1.85 ng/Kg	1.85U ng/Kg
SL-031-SA5B-SB-9.0-10.0(RES)	OCDF	0.169 ng/Kg	0.169U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.495 ng/Kg	0.495U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0857 ng/Kg	0.0857U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0278 ng/Kg	0.0278U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.183 ng/Kg	0.183U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.168 ng/Kg	0.168U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0652 ng/Kg	0.0652U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.132 ng/Kg	0.132U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.114 ng/Kg	0.114U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0420 ng/Kg	0.0420U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0588 ng/Kg	0.0588U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0660 ng/Kg	0.0660U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.109 ng/Kg	0.109U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0266 ng/Kg	0.0266U ng/Kg
SL-049-SA5B-SB-4.0-5.0(RES)	OCDF	1.08 ng/Kg	1.08U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.284 ng/Kg	0.284U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0591 ng/Kg	0.0591U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0340 ng/Kg	0.0340U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.149 ng/Kg	0.149U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0896 ng/Kg	0.0896U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0461 ng/Kg	0.0461U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0780 ng/Kg	0.0780U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0628 ng/Kg	0.0628U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0289 ng/Kg	0.0289U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0639 ng/Kg	0.0639U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0471 ng/Kg	0.0471U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0637 ng/Kg	0.0637U ng/Kg
SL-049-SA5B-SB-9.0-10.0(RES)	OCDF	0.605 ng/Kg	0.605U ng/Kg
SL-114-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.881 ng/Kg	0.881U ng/Kg
SL-114-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0936 ng/Kg	0.0936U ng/Kg
SL-114-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.101 ng/Kg	0.101U ng/Kg
SL-114-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.135 ng/Kg	0.135U ng/Kg
SL-114-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.321 ng/Kg	0.321U ng/Kg
SL-114-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0886 ng/Kg	0.0886U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_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-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.312 ng/Kg	0.312U ng/Kg
SL-114-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.186 ng/Kg	0.186U ng/Kg
SL-114-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0674 ng/Kg	0.0674U ng/Kg
SL-114-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.133 ng/Kg	0.133U ng/Kg
SL-114-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0893 ng/Kg	0.0893U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.541 ng/Kg	0.541U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0654 ng/Kg	0.0654U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0480 ng/Kg	0.0480U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.109 ng/Kg	0.109U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.218 ng/Kg	0.218U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0724 ng/Kg	0.0724U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.268 ng/Kg	0.268U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.202 ng/Kg	0.202U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0548 ng/Kg	0.0548U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0792 ng/Kg	0.0792U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.109 ng/Kg	0.109U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0336 ng/Kg	0.0336U ng/Kg
SL-115-SA5B-SB-4.0-5.0(RES)	OCDF	1.20 ng/Kg	1.20U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.316 ng/Kg	0.316U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.185 ng/Kg	0.185U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0721 ng/Kg	0.0721U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0412 ng/Kg	0.0412U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0464 ng/Kg	0.0464U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.128 ng/Kg	0.128U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0593 ng/Kg	0.0593U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.176 ng/Kg	0.176U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.206 ng/Kg	0.206U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0452 ng/Kg	0.0452U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0662 ng/Kg	0.0662U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0855 ng/Kg	0.0855U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0843 ng/Kg	0.0843U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	OCDD	1.33 ng/Kg	1.33U ng/Kg
SL-116-SA5B-SB-4.0-5.0(RES)	OCDF	0.237 ng/Kg	0.237U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.206 ng/Kg	0.206U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.198 ng/Kg	0.198U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0688 ng/Kg	0.0688U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0248 ng/Kg	0.0248U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_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-118-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0696 ng/Kg	0.0696U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0395 ng/Kg	0.0395U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0543 ng/Kg	0.0543U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0439 ng/Kg	0.0439U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0630 ng/Kg	0.0630U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0794 ng/Kg	0.0794U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0452 ng/Kg	0.0452U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0898 ng/Kg	0.0898U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0808 ng/Kg	0.0808U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0264 ng/Kg	0.0264U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0189 ng/Kg	0.0189U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	OCDD	0.601 ng/Kg	0.601U ng/Kg
SL-118-SA5B-SB-4.0-5.0(RES)	OCDF	0.200 ng/Kg	0.200U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDD	0.329 ng/Kg	0.329U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDF	0.227 ng/Kg	0.227U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0695 ng/Kg	0.0695U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8-HxCDD	0.0234 ng/Kg	0.0234U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8-HXCDF	0.0755 ng/Kg	0.0755U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	1,2,3,6,7,8-HXCDD	0.0659 ng/Kg	0.0659U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	1,2,3,6,7,8-HXCDF	0.0630 ng/Kg	0.0630U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8,9-HXCDD	0.0863 ng/Kg	0.0863U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8,9-HXCDF	0.0974 ng/Kg	0.0974U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8-PECDD	0.0424 ng/Kg	0.0424U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8-PECDF	0.0397 ng/Kg	0.0397U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	2,3,4,6,7,8-HXCDF	0.0907 ng/Kg	0.0907U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	2,3,4,7,8-PECDF	0.0751 ng/Kg	0.0751U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	2,3,7,8-TCDD	0.0444 ng/Kg	0.0444U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	OCDD	0.645 ng/Kg	0.645U ng/Kg
SL-118-SA5B-SB-8.0-9.0(RES)	OCDF	0.219 ng/Kg	0.219U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.223 ng/Kg	0.223U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.209 ng/Kg	0.209U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0556 ng/Kg	0.0556U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0883 ng/Kg	0.0883U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.122 ng/Kg	0.122U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0573 ng/Kg	0.0573U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.165 ng/Kg	0.165U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.117 ng/Kg	0.117U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_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-280-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0621 ng/Kg	0.0621U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0533 ng/Kg	0.0533U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0665 ng/Kg	0.0665U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0812 ng/Kg	0.0812U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0211 ng/Kg	0.0211U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0172 ng/Kg	0.0172U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	OCDD	0.881 ng/Kg	0.881U ng/Kg
SL-280-SA5B-SB-4.0-5.0(RES)	OCDF	0.209 ng/Kg	0.209U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.271 ng/Kg	0.271U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.204 ng/Kg	0.204U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0679 ng/Kg	0.0679U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0198 ng/Kg	0.0198U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0745 ng/Kg	0.0745U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0844 ng/Kg	0.0844U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0556 ng/Kg	0.0556U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.136 ng/Kg	0.136U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.135 ng/Kg	0.135U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0279 ng/Kg	0.0279U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0414 ng/Kg	0.0414U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0606 ng/Kg	0.0606U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0997 ng/Kg	0.0997U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0193 ng/Kg	0.0193U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	OCDD	0.767 ng/Kg	0.767U ng/Kg
SL-280-SA5B-SB-9.0-10.0(RES)	OCDF	0.177 ng/Kg	0.177U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.707 ng/Kg	0.707U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.126 ng/Kg	0.126U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0615 ng/Kg	0.0615U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.141 ng/Kg	0.141U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.106 ng/Kg	0.106U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.192 ng/Kg	0.192U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.171 ng/Kg	0.171U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0980 ng/Kg	0.0980U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.124 ng/Kg	0.124U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.124 ng/Kg	0.124U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0337 ng/Kg	0.0337U ng/Kg
SL-283-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0353 ng/Kg	0.0353U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_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-283-SA5B-SB-4.0-5.0(RES)	OCDF	1.82 ng/Kg	1.82U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.690 ng/Kg	0.690U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.187 ng/Kg	0.187U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.182 ng/Kg	0.182U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.207 ng/Kg	0.207U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.191 ng/Kg	0.191U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.337 ng/Kg	0.337U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.255 ng/Kg	0.255U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.211 ng/Kg	0.211U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.198 ng/Kg	0.198U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.216 ng/Kg	0.216U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.244 ng/Kg	0.244U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0394 ng/Kg	0.0394U ng/Kg
SL-283-SA5B-SB-9.0-10.0(RES)	OCDF	1.27 ng/Kg	1.27U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.283 ng/Kg	0.283U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.177 ng/Kg	0.177U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0764 ng/Kg	0.0764U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0485 ng/Kg	0.0485U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0410 ng/Kg	0.0410U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0621 ng/Kg	0.0621U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0569 ng/Kg	0.0569U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0960 ng/Kg	0.0960U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.123 ng/Kg	0.123U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0351 ng/Kg	0.0351U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0519 ng/Kg	0.0519U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0930 ng/Kg	0.0930U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0795 ng/Kg	0.0795U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0226 ng/Kg	0.0226U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0203 ng/Kg	0.0203U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	OCDD	0.887 ng/Kg	0.887U ng/Kg
SL-295-SA5B-SB-4.0-5.0(RES)	OCDF	0.228 ng/Kg	0.228U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.429 ng/Kg	0.429U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.258 ng/Kg	0.258U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0903 ng/Kg	0.0903U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0302 ng/Kg	0.0302U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.0745 ng/Kg	0.0745U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0705 ng/Kg	0.0705U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_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-295-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0721 ng/Kg	0.0721U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0700 ng/Kg	0.0700U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.113 ng/Kg	0.113U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0551 ng/Kg	0.0551U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0922 ng/Kg	0.0922U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0962 ng/Kg	0.0962U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	OCDD	1.72 ng/Kg	1.72U ng/Kg
SL-295-SA5B-SB-9.0-10.0(RES)	OCDF	0.271 ng/Kg	0.271U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.619 ng/Kg	0.619U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.139 ng/Kg	0.139U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0603 ng/Kg	0.0603U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.116 ng/Kg	0.116U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.233 ng/Kg	0.233U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0982 ng/Kg	0.0982U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.229 ng/Kg	0.229U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.171 ng/Kg	0.171U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.107 ng/Kg	0.107U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.111 ng/Kg	0.111U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.125 ng/Kg	0.125U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.142 ng/Kg	0.142U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0463 ng/Kg	0.0463U ng/Kg
SL-296-SA5B-SB-4.0-5.0(RES)	OCDF	1.14 ng/Kg	1.14U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.454 ng/Kg	0.454U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0935 ng/Kg	0.0935U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0335 ng/Kg	0.0335U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0895 ng/Kg	0.0895U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.217 ng/Kg	0.217U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0812 ng/Kg	0.0812U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.228 ng/Kg	0.228U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.188 ng/Kg	0.188U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0942 ng/Kg	0.0942U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0798 ng/Kg	0.0798U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0924 ng/Kg	0.0924U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.134 ng/Kg	0.134U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0313 ng/Kg	0.0313U ng/Kg
SL-296-SA5B-SB-9.0-10.0(RES)	OCDF	1.20 ng/Kg	1.20U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-031-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.661	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.200	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0381	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0213	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0589	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.379	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0947	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.548	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.324	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0905	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0981	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0848	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0942	5.77	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0243	1.15	PQL	ng/Kg	
	OCDD	JB	5.90	11.5	PQL	ng/Kg	
	OCDF	JB	0.321	11.5	PQL	ng/Kg	
SL-031-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.349	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.177	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0540	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0273	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0470	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.153	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0608	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.158	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0601	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0518	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0584	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0759	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.125	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0185	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0316	1.08	PQL	ng/Kg	
	OCDD	JB	1.85	10.8	PQL	ng/Kg	
	OCDF	JB	0.169	10.8	PQL	ng/Kg	
SL-049-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	3.95	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.495	5.45	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0857	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0278	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.183	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.168	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0652	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.132	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.114	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0420	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0588	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0660	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.109	5.45	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0266	1.09	PQL	ng/Kg	
	OCDF	JB	1.08	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-049-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	2.36	5.18	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.284	5.18	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0591	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0340	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.149	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0896	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0461	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0780	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0628	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0289	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0639	5.18	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0471	5.18	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0637	5.18	PQL	ng/Kg	
	OCDF	JBQ	0.605	10.4	PQL	ng/Kg	
SL-114-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	0.881	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.0936	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.101	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.135	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.321	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0886	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.312	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.186	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0674	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.133	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0893	5.44	PQL	ng/Kg	
	OCDF	JB	2.39	10.9	PQL	ng/Kg	
SL-115-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.55	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.541	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0654	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0480	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.109	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.218	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0724	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.268	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.202	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0548	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0792	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.109	5.53	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0336	1.11	PQL	ng/Kg	
	OCDF	JB	1.20	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-116-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.316	5.74	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.185	5.74	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0721	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0412	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0464	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.128	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0593	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.176	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.206	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0452	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0662	5.74	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0855	5.74	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0843	5.74	PQL	ng/Kg	
	OCDD	JB	1.33	11.5	PQL	ng/Kg	
	OCDF	JB	0.237	11.5	PQL	ng/Kg	
SL-118-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.206	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.198	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0688	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0248	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0696	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0395	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0543	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0439	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0630	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0794	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0452	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0898	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0808	5.70	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0264	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0189	1.14	PQL	ng/Kg	
SL-118-SA5B-SB-8.0-9.0	OCDD	JB	0.601	11.4	PQL	ng/Kg	
	OCDF	JB	0.200	11.4	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JB	0.329	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.227	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0695	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0234	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0755	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0659	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0630	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0863	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0974	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0424	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0397	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0907	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0751	5.61	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0444	1.12	PQL	ng/Kg	
	OCDD	JB	0.645	11.2	PQL	ng/Kg	
	OCDF	JB	0.219	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-280-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.223	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.209	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0556	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0883	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.122	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0573	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.165	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.117	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0621	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0533	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0665	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0812	5.56	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0211	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0172	1.11	PQL	ng/Kg	
	OCDD	JB	0.881	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.209	11.1	PQL	ng/Kg	
SL-280-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.271	5.92	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.204	5.92	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0679	5.92	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0198	5.92	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0745	5.92	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0844	5.92	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0556	5.92	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.136	5.92	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.135	5.92	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0279	5.92	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0414	5.92	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0606	5.92	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0997	5.92	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0193	1.18	PQL	ng/Kg	
	OCDD	JB	0.767	11.8	PQL	ng/Kg	
	OCDF	JB	0.177	11.8	PQL	ng/Kg	
SL-283-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	0.707	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.126	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0615	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.141	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.386	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.106	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.192	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.171	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0980	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.102	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.124	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.124	5.63	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0337	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0353	1.13	PQL	ng/Kg	
	OCDF	JB	1.82	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-283-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	4.72	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.690	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.187	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.182	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.207	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.356	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.191	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.337	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.255	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.211	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.198	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.216	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.244	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0394	1.13	PQL	ng/Kg	
	OCDF	JB	1.27	11.3	PQL	ng/Kg	
SL-295-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.283	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.177	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0764	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0485	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0410	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0621	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0569	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0960	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.123	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0351	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0519	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0930	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0795	5.71	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0226	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0203	1.14	PQL	ng/Kg	
SL-295-SA5B-SB-9.0-10.0	OCDD	JB	0.887	11.4	PQL	ng/Kg	J (all detects)
	OCDF	JB	0.228	11.4	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JB	0.429	5.85	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.258	5.85	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0903	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0302	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0745	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0705	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0721	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0700	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.113	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0551	5.85	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0922	5.85	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0962	5.85	PQL	ng/Kg	
	OCDD	JB	1.72	11.7	PQL	ng/Kg	
	OCDF	JB	0.271	11.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX041

Laboratory: LL

EDD Filename: DX041_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-296-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	4.66	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.619	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.139	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0603	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.116	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.233	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0982	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.229	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.171	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.107	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.111	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.125	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.142	5.49	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0463	1.10	PQL	ng/Kg	
	OCDF	JB	1.14	11.0	PQL	ng/Kg	
SL-296-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.95	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.454	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0935	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0335	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0895	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.217	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0812	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.228	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.188	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0942	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0798	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0924	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.134	5.51	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0313	1.10	PQL	ng/Kg	
	OCDF	JB	1.20	11.0	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX042

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-Jan-2011	SL-014-SA5B-SB-4.0-5.0	6189233	N	METHOD	1613B	III
20-Jan-2011	SL-294-SA5B-SB-4.0-5.0	6189234	N	METHOD	1613B	III
20-Jan-2011	SL-294-SA5B-SB-4.0-5.0MS	6189235	MS	METHOD	1613B	III
20-Jan-2011	SL-294-SA5B-SB-4.0-5.0MSD	6189236	MSD	METHOD	1613B	III
20-Jan-2011	DUP19-SA5B-QC-012011	6189238	FD	METHOD	1613B	III
20-Jan-2011	SL-294-SA5B-SB-9.0-10.0	6189237	N	METHOD	1613B	III
20-Jan-2011	SL-019-SA5B-SB-4.0-5.0	6189247	N	METHOD	1613B	III
20-Jan-2011	EB23-SA5B-012011	6189239	EB	METHOD	1613B	III
20-Jan-2011	SL-030-SA5B-SB-4.0-5.0	6189240	N	METHOD	1613B	III
20-Jan-2011	SL-030-SA5B-SB-9.0-10.0	6189241	N	METHOD	1613B	III
20-Jan-2011	EB24-SA5B-012011	6189242	EB	METHOD	1613B	III
20-Jan-2011	SL-035-SA5B-SB-7.0-8.0	6189244	N	METHOD	1613B	III
20-Jan-2011	SL-035-SA5B-SB-4.0-5.0	6189243	N	METHOD	1613B	III
20-Jan-2011	SL-029-SA5B-SB-4.0-5.0	6189250	N	METHOD	1613B	III
20-Jan-2011	SL-029-SA5B-SB-9.0-10.0	6189251	N	METHOD	1613B	III
20-Jan-2011	SL-036-SA5B-SB-4.0-5.0	6189248	N	METHOD	1613B	III
20-Jan-2011	SL-034-SA5B-SB-4.0-5.0	6189245	N	METHOD	1613B	III
20-Jan-2011	SL-034-SA5B-SB-9.0-10.0	6189246	N	METHOD	1613B	III
20-Jan-2011	SL-037-SA5B-SB-3.5-4.5	6189249	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	AQ

Sample ID: EB23-SA5B-012011

Collected: 1/20/2011 11:18:00

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	3.26	JBQ	0.478	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	5.15	JB	0.216	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.520	JB	0.242	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.835	JBQ	0.265	MDL	10.2	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.410	JBQ	0.285	MDL	10.2	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.759	JBQ	0.246	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.299	JQ	0.287	MDL	10.2	PQL	pg/L	J	Z
2,3,4,6,7,8-HXCDF	1.60	JB	0.247	MDL	10.2	PQL	pg/L	U	B
2,3,4,7,8-PECDF	1.14	JBQ	0.183	MDL	10.2	PQL	pg/L	U	B
OCDD	7.32	JB	0.479	MDL	20.5	PQL	pg/L	U	B
OCDF	2.75	JBQ	0.440	MDL	20.5	PQL	pg/L	U	B

Sample ID: EB24-SA5B-012011

Collected: 1/20/2011 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	2.91	JBQ	0.396	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	3.58	JBQ	0.158	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.413	JB	0.183	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.609	JBQ	0.189	MDL	10.7	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.548	JBQ	0.182	MDL	10.7	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.595	JBQ	0.328	MDL	10.7	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.132	JBQ	0.126	MDL	10.7	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.893	JBQ	0.168	MDL	10.7	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.580	JBQ	0.115	MDL	10.7	PQL	pg/L	U	B
OCDD	4.81	JB	0.324	MDL	21.3	PQL	pg/L	U	B
OCDF	2.53	JBQ	0.337	MDL	21.3	PQL	pg/L	U	B

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP19-SA5B-QC-012011

Collected: 1/20/2011 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	0.395	JBQ	0.0599	MDL	5.87	PQL	ng/Kg	UJ	B, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 9:40:34 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP19-SA5B-QC-012011

Collected: 1/20/2011 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-HPCDF	0.227	JBQ	0.0185	MDL	5.87	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0291	U	0.0291	MDL	5.87	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HXCDF	0.0534	JBQ	0.0291	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0549	JB	0.0325	MDL	5.87	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDF	0.0503	JBQ	0.0236	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0499	JB	0.0318	MDL	5.87	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDF	0.0571	JBQ	0.0227	MDL	5.87	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0336	JBQ	0.0256	MDL	5.87	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0881	JB	0.0236	MDL	5.87	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0580	JBQ	0.0244	MDL	5.87	PQL	ng/Kg	UJ	B, FD
OCDD	3.99	JB	0.0496	MDL	11.7	PQL	ng/Kg	J	Z, FD
OCDF	0.323	JBQ	0.0629	MDL	11.7	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-014-SA5B-SB-4.0-5.0

Collected: 1/20/2011 9:34:00

Analysis Type: RES

Dilution: 1

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	0.0632	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.126	JBQ	0.0591	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.142	JB	0.0780	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.158	JB	0.0520	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.959	JBQ	0.0772	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.275	JBQ	0.0465	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.662	JB	0.0622	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0951	JBQ	0.0460	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0969	JBQ	0.0495	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0452	JBQ	0.0280	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.198	JBQ	0.0383	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.176	JBQ	0.0260	MDL	5.66	PQL	ng/Kg	U	B
OCDF	7.89	JB	0.0554	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-019-SA5B-SB-4.0-5.0

Collected: 1/20/2011 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	0.204	JB	0.0544	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0799	JB	0.0192	MDL	5.53	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-019-SA5B-SB-4.0-5.0

Collected: 1/20/2011 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
1,2,3,6,7,8-HXCDD	0.0837	JBQ	0.0379	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0250	JBQ	0.0212	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.175	JBQ	0.0382	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0377	JBQ	0.0280	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0319	JBQ	0.0236	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0257	JBQ	0.0228	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0444	JB	0.0195	MDL	5.53	PQL	ng/Kg	U	B
OCDD	0.889	JB	0.0496	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.121	JB	0.0580	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-029-SA5B-SB-4.0-5.0

Collected: 1/20/2011 2:18:00

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-HPCDF	2.25	JB	0.0969	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.196	JB	0.146	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.248	JBQ	0.154	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.140	JBQ	0.104	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.791	JB	0.150	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.176	JBQ	0.0918	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.691	JBQ	0.138	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.296	JBQ	0.0913	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.119	JBQ	0.0666	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.184	JBQ	0.0946	MDL	5.73	PQL	ng/Kg	U	B
OCDF	6.50	JB	0.156	MDL	11.5	PQL	ng/Kg	J	Z

Sample ID: SL-029-SA5B-SB-9.0-10.0

Collected: 1/20/2011 2:27:00

Analysis Type: RES

Dilution: 1

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	2.54	JB	0.0225	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.210	JB	0.0287	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.339	JB	0.0499	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.176	JBQ	0.0272	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.897	JB	0.0523	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.220	JB	0.0253	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.819	JB	0.0508	MDL	5.64	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-029-SA5B-SB-9.0-10.0

Collected: 1/20/2011 2:27:00

Analysis 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	0.218	JBQ	0.0333	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.264	JBQ	0.0307	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.121	JB	0.0171	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.307	JB	0.0283	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.163	JBQ	0.0153	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0814	JQ	0.0308	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	5.29	JB	0.0373	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-030-SA5B-SB-4.0-5.0

Collected: 1/20/2011 11:22:00

Analysis Type: RES

Dilution: 1

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	0.828	JBQ	0.0361	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.125	JBQ	0.0560	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.110	JB	0.0549	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.243	JBQ	0.0819	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.128	JB	0.0474	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.281	JBQ	0.0856	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.230	JB	0.0542	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.183	JBQ	0.0624	MDL	5.86	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.119	JBQ	0.0437	MDL	5.86	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0540	JBQ	0.0529	MDL	5.86	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.135	JBQ	0.0329	MDL	5.86	PQL	ng/Kg	U	B
OCDF	1.75	JB	0.122	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-030-SA5B-SB-9.0-10.0

Collected: 1/20/2011 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	5.49	JB	0.112	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.807	JB	0.0324	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.105	JBQ	0.0608	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0726	JBQ	0.0715	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.178	JBQ	0.0459	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.333	JBQ	0.0699	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.127	JBQ	0.0381	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.402	JB	0.0652	MDL	5.73	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-030-SA5B-SB-9.0-10.0

Collected: 1/20/2011 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
1,2,3,7,8,9-HXCDF	0.542	JBQ	0.0372	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.101	JBQ	0.0616	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.204	JBQ	0.0286	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.114	JB	0.0431	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.176	JB	0.0261	MDL	5.73	PQL	ng/Kg	U	B
OCDF	1.32	JB	0.101	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-034-SA5B-SB-4.0-5.0

Collected: 1/20/2011 3:45:00

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	1.64	JBQ	0.0408	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.176	JBQ	0.0445	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.138	JBQ	0.0972	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.140	JBQ	0.0472	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.707	JBQ	0.110	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.117	JBQ	0.0414	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.661	JB	0.0981	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.193	JBQ	0.0510	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.155	JBQ	0.0594	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0569	JBQ	0.0335	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.110	JB	0.0450	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.138	JBQ	0.0289	MDL	5.68	PQL	ng/Kg	U	B
OCDF	3.74	JB	0.0876	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-034-SA5B-SB-9.0-10.0

Collected: 1/20/2011 3:53:00

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-HPCDF	2.09	JB	0.0497	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.200	JBQ	0.0636	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.159	JB	0.106	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.123	JBQ	0.0479	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.956	JB	0.116	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.180	JBQ	0.0510	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.593	JB	0.0709	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.184	JBQ	0.0371	MDL	5.52	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-034-SA5B-SB-9.0-10.0

Collected: 1/20/2011 3:53:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.102	JBQ	0.0719	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.140	JB	0.0561	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0641	JQ	0.0583	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	4.99	JB	0.0784	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-035-SA5B-SB-4.0-5.0

Collected: 1/20/2011 1:53:00

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-HPCDF	2.76	JB	0.0382	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.206	JBQ	0.0306	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.334	JB	0.0619	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.121	JBQ	0.0518	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.918	JB	0.0656	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.271	JBQ	0.0420	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.963	JB	0.0636	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.132	JBQ	0.0409	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.227	JBQ	0.0453	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0574	JBQ	0.0277	MDL	5.50	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.270	JBQ	0.0361	MDL	5.50	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.155	JBQ	0.0221	MDL	5.50	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0743	JQ	0.0525	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	6.22	JB	0.0604	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-035-SA5B-SB-7.0-8.0

Collected: 1/20/2011 1:39:00

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	0.495	JB	0.0347	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0512	JBQ	0.0370	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.248	JB	0.0589	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0553	JBQ	0.0310	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.238	JB	0.0514	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.107	JBQ	0.0350	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0696	JBQ	0.0285	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.112	JBQ	0.0355	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0842	JBQ	0.0274	MDL	5.41	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 9:40:34 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-035-SA5B-SB-7.0-8.0

Collected: 1/20/2011 1:39:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	1.24	JBQ	0.0745	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-036-SA5B-SB-4.0-5.0

Collected: 1/20/2011 3:04:00

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	2.37	JB	0.0355	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.227	JB	0.0413	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.181	JB	0.0485	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.868	JBQ	0.0919	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.227	JBQ	0.0444	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.604	JBQ	0.0694	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.174	JBQ	0.0403	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.127	JBQ	0.0646	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0796	JBQ	0.0248	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.136	JB	0.0449	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.111	JBQ	0.0305	MDL	5.53	PQL	ng/Kg	U	B
OCDF	6.48	JB	0.0800	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-037-SA5B-SB-3.5-4.5

Collected: 1/20/2011 3:58:00

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-HPCDF	1.61	JB	0.0332	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.145	JB	0.0494	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.144	JBQ	0.0794	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.129	JB	0.0491	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.588	JBQ	0.0876	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.161	JB	0.0387	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.365	JB	0.0748	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0822	JBQ	0.0552	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0922	JBQ	0.0247	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0886	JBQ	0.0454	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.102	JBQ	0.0335	MDL	5.61	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0597	JQ	0.0517	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	5.98	JB	0.0533	MDL	11.2	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-294-SA5B-SB-4.0-5.0

Collected: 1/20/2011 9:48:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	16.9	B	0.105	MDL	5.61	PQL	ng/Kg	J	FD
1,2,3,4,6,7,8-HPCDF	1.03	JB	0.0433	MDL	5.61	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.105	JBQ	0.0589	MDL	5.61	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HXCDF	0.0468	JBQ	0.0442	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.464	JBQ	0.0689	MDL	5.61	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.0706	JBQ	0.0395	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.348	JB	0.0637	MDL	5.61	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.235	JBQ	0.0425	MDL	5.61	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0493	JB	0.0288	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0849	JBQ	0.0360	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.130	JBQ	0.0210	MDL	5.61	PQL	ng/Kg	UJ	B, FD
OCDD	212	B	0.0998	MDL	11.2	PQL	ng/Kg	J	Q, Q, Q, FD
OCDF	3.05	JB	0.0882	MDL	11.2	PQL	ng/Kg	J	Z, FD

Sample ID: SL-294-SA5B-SB-9.0-10.0

Collected: 1/20/2011 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
1,2,3,4,7,8,9-HPCDF	0.655	JB	0.0608	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.847	JBQ	0.135	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.516	JBQ	0.107	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.80	JB	0.150	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.542	JBQ	0.0914	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.14	JBQ	0.132	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.459	JB	0.104	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.571	JB	0.0748	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.216	JBQ	0.0379	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.862	JB	0.0902	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.359	JBQ	0.0331	MDL	5.56	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX042

Method Blank Outlier Report

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB372156	2/2/2011 9:56:00 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-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	1.97 pg/L 3.23 pg/L 0.279 pg/L 0.161 pg/L 0.784 pg/L 0.155 pg/L 0.463 pg/L 0.178 pg/L 0.265 pg/L 0.264 pg/L 0.865 pg/L 0.530 pg/L 0.291 pg/L 4.75 pg/L 2.06 pg/L	EB23-SA5B-012011 EB24-SA5B-012011

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-SA5B-012011(RES)	1,2,3,4,6,7,8-HPCDD	3.26 pg/L	3.26U pg/L
EB23-SA5B-012011(RES)	1,2,3,4,6,7,8-HPCDF	5.15 pg/L	5.15U pg/L
EB23-SA5B-012011(RES)	1,2,3,4,7,8,9-HPCDF	0.520 pg/L	0.520U pg/L
EB23-SA5B-012011(RES)	1,2,3,4,7,8-HxCDF	0.835 pg/L	0.835U pg/L
EB23-SA5B-012011(RES)	1,2,3,6,7,8-HxCDD	0.410 pg/L	0.410U pg/L
EB23-SA5B-012011(RES)	1,2,3,6,7,8-HxCDF	0.759 pg/L	0.759U pg/L
EB23-SA5B-012011(RES)	2,3,4,6,7,8-HxCDF	1.60 pg/L	1.60U pg/L
EB23-SA5B-012011(RES)	2,3,4,7,8-PECDF	1.14 pg/L	1.14U pg/L
EB23-SA5B-012011(RES)	OCDD	7.32 pg/L	7.32U pg/L
EB23-SA5B-012011(RES)	OCDF	2.75 pg/L	2.75U pg/L
EB24-SA5B-012011(RES)	1,2,3,4,6,7,8-HPCDD	2.91 pg/L	2.91U pg/L
EB24-SA5B-012011(RES)	1,2,3,4,6,7,8-HPCDF	3.58 pg/L	3.58U pg/L
EB24-SA5B-012011(RES)	1,2,3,4,7,8,9-HPCDF	0.413 pg/L	0.413U pg/L
EB24-SA5B-012011(RES)	1,2,3,4,7,8-HxCDF	0.609 pg/L	0.609U pg/L
EB24-SA5B-012011(RES)	1,2,3,6,7,8-HxCDF	0.548 pg/L	0.548U pg/L
EB24-SA5B-012011(RES)	1,2,3,7,8-PECDD	0.595 pg/L	0.595U pg/L
EB24-SA5B-012011(RES)	1,2,3,7,8-PECDF	0.132 pg/L	0.132U pg/L
EB24-SA5B-012011(RES)	2,3,4,6,7,8-HxCDF	0.893 pg/L	0.893U pg/L
EB24-SA5B-012011(RES)	2,3,4,7,8-PECDF	0.580 pg/L	0.580U pg/L
EB24-SA5B-012011(RES)	OCDD	4.81 pg/L	4.81U pg/L
EB24-SA5B-012011(RES)	OCDF	2.53 pg/L	2.53U pg/L

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0320B372059	2/7/2011 8:59:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8-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	0.219 ng/Kg 0.242 ng/Kg 0.0453 ng/Kg 0.0361 ng/Kg 0.0659 ng/Kg 0.0384 ng/Kg 0.0508 ng/Kg 0.0359 ng/Kg 0.0588 ng/Kg 0.0510 ng/Kg 0.0415 ng/Kg 0.0823 ng/Kg 0.106 ng/Kg 0.513 ng/Kg 0.298 ng/Kg	DUP19-SA5B-QC-012011 SL-014-SA5B-SB-4.0-5.0 SL-019-SA5B-SB-4.0-5.0 SL-029-SA5B-SB-4.0-5.0 SL-029-SA5B-SB-9.0-10.0 SL-030-SA5B-SB-4.0-5.0 SL-030-SA5B-SB-9.0-10.0 SL-034-SA5B-SB-4.0-5.0 SL-034-SA5B-SB-9.0-10.0 SL-035-SA5B-SB-4.0-5.0 SL-035-SA5B-SB-7.0-8.0 SL-036-SA5B-SB-4.0-5.0 SL-037-SA5B-SB-3.5-4.5 SL-294-SA5B-SB-4.0-5.0 SL-294-SA5B-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
DUP19-SA5B-QC-012011(RES)	1,2,3,4,6,7,8-HPCDD	0.395 ng/Kg	0.395U ng/Kg
DUP19-SA5B-QC-012011(RES)	1,2,3,4,6,7,8-HPCDF	0.227 ng/Kg	0.227U ng/Kg
DUP19-SA5B-QC-012011(RES)	1,2,3,4,7,8-HxCDF	0.0534 ng/Kg	0.0534U ng/Kg
DUP19-SA5B-QC-012011(RES)	1,2,3,6,7,8-HxCDD	0.0549 ng/Kg	0.0549U ng/Kg
DUP19-SA5B-QC-012011(RES)	1,2,3,6,7,8-HxCDF	0.0503 ng/Kg	0.0503U ng/Kg
DUP19-SA5B-QC-012011(RES)	1,2,3,7,8,9-HxCDD	0.0499 ng/Kg	0.0499U ng/Kg
DUP19-SA5B-QC-012011(RES)	1,2,3,7,8,9-HxCDF	0.0571 ng/Kg	0.0571U ng/Kg
DUP19-SA5B-QC-012011(RES)	1,2,3,7,8-PECDF	0.0336 ng/Kg	0.0336U ng/Kg
DUP19-SA5B-QC-012011(RES)	2,3,4,6,7,8-HxCDF	0.0881 ng/Kg	0.0881U ng/Kg
DUP19-SA5B-QC-012011(RES)	2,3,4,7,8-PECDF	0.0580 ng/Kg	0.0580U ng/Kg
DUP19-SA5B-QC-012011(RES)	OCDF	0.323 ng/Kg	0.323U ng/Kg
SL-014-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.126 ng/Kg	0.126U ng/Kg
SL-014-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.142 ng/Kg	0.142U ng/Kg
SL-014-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.158 ng/Kg	0.158U ng/Kg
SL-014-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0951 ng/Kg	0.0951U ng/Kg
SL-014-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0969 ng/Kg	0.0969U ng/Kg
SL-014-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0452 ng/Kg	0.0452U ng/Kg
SL-014-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.198 ng/Kg	0.198U ng/Kg
SL-014-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.176 ng/Kg	0.176U ng/Kg
SL-019-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.204 ng/Kg	0.204U ng/Kg
SL-019-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0799 ng/Kg	0.0799U ng/Kg
SL-019-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0837 ng/Kg	0.0837U ng/Kg
SL-019-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0250 ng/Kg	0.0250U ng/Kg
SL-019-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.175 ng/Kg	0.175U ng/Kg
SL-019-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0377 ng/Kg	0.0377U ng/Kg
SL-019-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0319 ng/Kg	0.0319U ng/Kg
SL-019-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0257 ng/Kg	0.0257U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_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-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0444 ng/Kg	0.0444U ng/Kg
SL-019-SA5B-SB-4.0-5.0(RES)	OCDD	0.889 ng/Kg	0.889U ng/Kg
SL-019-SA5B-SB-4.0-5.0(RES)	OCDF	0.121 ng/Kg	0.121U ng/Kg
SL-029-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.196 ng/Kg	0.196U ng/Kg
SL-029-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.140 ng/Kg	0.140U ng/Kg
SL-029-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SL-029-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.119 ng/Kg	0.119U ng/Kg
SL-029-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.184 ng/Kg	0.184U ng/Kg
SL-029-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.210 ng/Kg	0.210U ng/Kg
SL-029-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SL-029-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.220 ng/Kg	0.220U ng/Kg
SL-029-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.218 ng/Kg	0.218U ng/Kg
SL-029-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.121 ng/Kg	0.121U ng/Kg
SL-029-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.307 ng/Kg	0.307U ng/Kg
SL-029-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.163 ng/Kg	0.163U ng/Kg
SL-030-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.828 ng/Kg	0.828U ng/Kg
SL-030-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.125 ng/Kg	0.125U ng/Kg
SL-030-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.110 ng/Kg	0.110U ng/Kg
SL-030-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.128 ng/Kg	0.128U ng/Kg
SL-030-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.230 ng/Kg	0.230U ng/Kg
SL-030-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.183 ng/Kg	0.183U ng/Kg
SL-030-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.119 ng/Kg	0.119U ng/Kg
SL-030-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0540 ng/Kg	0.0540U ng/Kg
SL-030-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.135 ng/Kg	0.135U ng/Kg
SL-030-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.807 ng/Kg	0.807U ng/Kg
SL-030-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.105 ng/Kg	0.105U ng/Kg
SL-030-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0726 ng/Kg	0.0726U ng/Kg
SL-030-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.178 ng/Kg	0.178U ng/Kg
SL-030-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.127 ng/Kg	0.127U ng/Kg
SL-030-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.101 ng/Kg	0.101U ng/Kg
SL-030-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.204 ng/Kg	0.204U ng/Kg
SL-030-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.114 ng/Kg	0.114U ng/Kg
SL-030-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.176 ng/Kg	0.176U ng/Kg
SL-030-SA5B-SB-9.0-10.0(RES)	OCDF	1.32 ng/Kg	1.32U ng/Kg
SL-034-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.176 ng/Kg	0.176U ng/Kg
SL-034-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.138 ng/Kg	0.138U ng/Kg
SL-034-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.140 ng/Kg	0.140U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_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-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.117 ng/Kg	0.117U ng/Kg
SL-034-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.193 ng/Kg	0.193U ng/Kg
SL-034-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.155 ng/Kg	0.155U ng/Kg
SL-034-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0569 ng/Kg	0.0569U ng/Kg
SL-034-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.110 ng/Kg	0.110U ng/Kg
SL-034-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.138 ng/Kg	0.138U ng/Kg
SL-034-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.200 ng/Kg	0.200U ng/Kg
SL-034-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.159 ng/Kg	0.159U ng/Kg
SL-034-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.123 ng/Kg	0.123U ng/Kg
SL-034-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.180 ng/Kg	0.180U ng/Kg
SL-034-SA5B-SB-9.0-10.0(RES)	1,2,3,7,6,9-HXCDF	0.184 ng/Kg	0.184U ng/Kg
SL-034-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.102 ng/Kg	0.102U ng/Kg
SL-034-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.140 ng/Kg	0.140U ng/Kg
SL-035-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.206 ng/Kg	0.206U ng/Kg
SL-035-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-035-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.132 ng/Kg	0.132U ng/Kg
SL-035-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.227 ng/Kg	0.227U ng/Kg
SL-035-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0574 ng/Kg	0.0574U ng/Kg
SL-035-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.270 ng/Kg	0.270U ng/Kg
SL-035-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.155 ng/Kg	0.155U ng/Kg
SL-035-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.495 ng/Kg	0.495U ng/Kg
SL-035-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.0512 ng/Kg	0.0512U ng/Kg
SL-035-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDF	0.0553 ng/Kg	0.0553U ng/Kg
SL-035-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.107 ng/Kg	0.107U ng/Kg
SL-035-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.0696 ng/Kg	0.0696U ng/Kg
SL-035-SA5B-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.112 ng/Kg	0.112U ng/Kg
SL-035-SA5B-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0842 ng/Kg	0.0842U ng/Kg
SL-035-SA5B-SB-7.0-8.0(RES)	OCDF	1.24 ng/Kg	1.24U ng/Kg
SL-036-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.181 ng/Kg	0.181U ng/Kg
SL-036-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.227 ng/Kg	0.227U ng/Kg
SL-036-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.174 ng/Kg	0.174U ng/Kg
SL-036-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.127 ng/Kg	0.127U ng/Kg
SL-036-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0796 ng/Kg	0.0796U ng/Kg
SL-036-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.136 ng/Kg	0.136U ng/Kg
SL-036-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.111 ng/Kg	0.111U ng/Kg
SL-037-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPCDF	0.145 ng/Kg	0.145U ng/Kg
SL-037-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8-HxCDD	0.144 ng/Kg	0.144U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_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-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8-HXCDF	0.129 ng/Kg	0.129U ng/Kg
SL-037-SA5B-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.161 ng/Kg	0.161U ng/Kg
SL-037-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDD	0.0822 ng/Kg	0.0822U ng/Kg
SL-037-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.0922 ng/Kg	0.0922U ng/Kg
SL-037-SA5B-SB-3.5-4.5(RES)	2,3,4,6,7,8-HXCDF	0.0886 ng/Kg	0.0886U ng/Kg
SL-037-SA5B-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
SL-294-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	1.03 ng/Kg	1.03U ng/Kg
SL-294-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.105 ng/Kg	0.105U ng/Kg
SL-294-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0468 ng/Kg	0.0468U ng/Kg
SL-294-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0706 ng/Kg	0.0706U ng/Kg
SL-294-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.235 ng/Kg	0.235U ng/Kg
SL-294-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0493 ng/Kg	0.0493U ng/Kg
SL-294-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0849 ng/Kg	0.0849U ng/Kg
SL-294-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.130 ng/Kg	0.130U ng/Kg
SL-294-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.359 ng/Kg	0.359U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_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-294-SA5B-SB-4.0-5.0MS SL-294-SA5B-SB-4.0-5.0MSD (SL-294-SA5B-SB-4.0-5.0)	OCDD	146	26	40.00-135.00	66 (20.00)	OCDD	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-294-SA5B-SB-4.0-5.0	DUP19-SA5B-QC-012011			
MOISTURE	10.9	14.8	30		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-294-SA5B-SB-4.0-5.0	DUP19-SA5B-QC-012011			
1,2,3,4,7,8-HXCDF	0.0468	0.0534	13	50.00	No Qualifiers Applied
1,2,3,6,7,8-HXCDF	0.0706	0.0503	34	50.00	
1,2,3,7,8-PECDF	0.0493	0.0336	38	50.00	
2,3,4,6,7,8-HXCDF	0.0849	0.0881	4	50.00	
1,2,3,4,6,7,8-HPCDD	16.9	0.395	191	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,6,7,8-HPCDF	1.03	0.227	128	50.00	
1,2,3,4,7,8,9-HPCDF	0.105	5.87 U	200	50.00	
1,2,3,6,7,8-HXCDD	0.464	0.0549	158	50.00	
1,2,3,7,8,9-HXCDD	0.348	0.0499	150	50.00	
1,2,3,7,8,9-HXCDF	0.235	0.0571	122	50.00	
2,3,4,7,8-PECDF	0.130	0.0580	77	50.00	
OCDD	212	3.99	193	50.00	
OCDF	3.05	0.323	162	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB23-SA5B-012011	1,2,3,4,6,7,8-HPCDD	JBQ	3.26	10.2	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	5.15	10.2	PQL	pg/L	
	1,2,3,4,7,8-HPCDF	JB	0.520	10.2	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.835	10.2	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.410	10.2	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.759	10.2	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JQ	0.299	10.2	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	1.60	10.2	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	1.14	10.2	PQL	pg/L	
	OCDD	JB	7.32	20.5	PQL	pg/L	
	OCDF	JBQ	2.75	20.5	PQL	pg/L	
EB24-SA5B-012011	1,2,3,4,6,7,8-HPCDD	JBQ	2.91	10.7	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	3.58	10.7	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.413	10.7	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.609	10.7	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.548	10.7	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.595	10.7	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.132	10.7	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.893	10.7	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.580	10.7	PQL	pg/L	
	OCDD	JB	4.81	21.3	PQL	pg/L	
	OCDF	JBQ	2.53	21.3	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP19-SA5B-QC-012011	1,2,3,4,6,7,8-HPCDD	JBQ	0.395	5.87	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.227	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0534	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0549	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0503	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0499	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0571	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0336	5.87	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0881	5.87	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0580	5.87	PQL	ng/Kg	
	OCDD	JB	3.99	11.7	PQL	ng/Kg	
	OCDF	JBQ	0.323	11.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-014-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.09	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.126	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.142	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.158	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.959	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.275	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.662	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0951	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0969	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0452	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.198	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.176	5.66	PQL	ng/Kg	
	OCDF	JB	7.89	11.3	PQL	ng/Kg	
SL-019-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.204	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0799	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0837	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	0.175	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0377	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0319	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0257	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0444	5.53	PQL	ng/Kg	
	OCDD	JB	0.889	11.1	PQL	ng/Kg	
SL-029-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.25	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.196	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.248	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.140	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.791	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.176	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.691	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.296	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.119	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.184	5.73	PQL	ng/Kg	
SL-029-SA5B-SB-9.0-10.0	OCDF	JB	6.50	11.5	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	2.54	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.210	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.339	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.176	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.897	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.220	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.819	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.218	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.264	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.121	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.307	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.163	5.64	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0814	1.13	PQL	ng/Kg	
	OCDF	JB	5.29	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-030-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JBQ	0.828	5.86	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.125	5.86	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.110	5.86	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.243	5.86	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.128	5.86	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.281	5.86	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.230	5.86	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.183	5.86	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.119	5.86	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0540	5.86	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.135	5.86	PQL	ng/Kg	
	OCDF	JB	1.75	11.7	PQL	ng/Kg	
SL-030-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	5.49	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.807	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.105	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0726	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.178	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.333	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.127	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.402	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.542	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.101	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.204	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.114	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.176	5.73	PQL	ng/Kg	
	OCDF	JB	1.32	11.5	PQL	ng/Kg	
SL-034-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JBQ	1.64	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.176	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.138	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.140	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.707	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.117	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.661	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.193	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.155	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0569	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.110	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.138	5.68	PQL	ng/Kg	
	OCDF	JB	3.74	11.4	PQL	ng/Kg	
SL-034-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	2.09	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.200	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.159	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.123	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.956	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.180	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.593	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.184	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.102	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.140	5.52	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0641	1.10	PQL	ng/Kg	
	OCDF	JB	4.99	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-035-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.76	5.50	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.206	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.334	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.121	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.918	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.271	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.963	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.132	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.227	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0574	5.50	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.270	5.50	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.155	5.50	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0743	1.10	PQL	ng/Kg	
	OCDF	JB	6.22	11.0	PQL	ng/Kg	
SL-035-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDF	JB	0.495	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HXCDF	JBQ	0.0512	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.248	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0553	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.238	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.107	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0696	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.112	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0842	5.41	PQL	ng/Kg	
	OCDF	JBQ	1.24	10.8	PQL	ng/Kg	
SL-036-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.37	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.227	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.181	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.868	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.227	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.604	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.174	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.127	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0796	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.136	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.111	5.53	PQL	ng/Kg	
	OCDF	JB	6.48	11.1	PQL	ng/Kg	
SL-037-SA5B-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDF	JB	1.61	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.145	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.144	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.129	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.588	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.161	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.365	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0822	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0922	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0886	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.102	5.61	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0597	1.12	PQL	ng/Kg	
	OCDF	JB	5.98	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX042

Laboratory: LL

EDD Filename: DX042_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-294-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.03	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.105	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0468	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.464	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0706	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.348	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.235	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0493	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0849	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.130	5.61	PQL	ng/Kg	
SL-294-SA5B-SB-9.0-10.0	OCDF	JB	3.05	11.2	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.655	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.847	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.516	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.80	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.542	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	2.14	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.459	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.571	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.216	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.862	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.359	5.56	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX043

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
21-Jan-2011	SL-308-SA5B-SB-4.0-5.0	6189715	N	METHOD	1613B	III
21-Jan-2011	SL-308-SA5B-SB-9.0-10.0	6189716	N	METHOD	1613B	III
21-Jan-2011	SL-308-SA5B-SB-14.0-15.0	6189717	N	METHOD	1613B	III
21-Jan-2011	DUP20-SA5B-QC-012111	6189722	FD	METHOD	1613B	III
21-Jan-2011	SL-253-SA5B-SB-3.0-4.0	6189718	N	METHOD	1613B	III
21-Jan-2011	SL-253-SA5B-SB-3.0-4.0MS	6189719	MS	METHOD	1613B	III
21-Jan-2011	SL-253-SA5B-SB-3.0-4.0MSD	6189720	MSD	METHOD	1613B	III
21-Jan-2011	SL-254-SA5B-SB-3.5-4.5	6189721	N	METHOD	1613B	III
21-Jan-2011	SL-307-SA5B-SB-4.0-5.0	6189723	N	METHOD	1613B	III
21-Jan-2011	SL-307-SA5B-SB-9.0-10.0	6189724	N	METHOD	1613B	III
21-Jan-2011	SL-307-SA5B-SB-14.0-15.0	6189725	N	METHOD	1613B	III
24-Jan-2011	SL-033-SA5B-SB-4.0-5.0	6190398	N	METHOD	1613B	III
24-Jan-2011	SL-033-SA5B-SB-9.0-10.0	6190399	N	METHOD	1613B	III
24-Jan-2011	SL-033-SA5B-SB-14.0-15.0	6190400	N	METHOD	1613B	III
24-Jan-2011	SL-151-SA5B-SB-7.0-8.0	6190402	N	METHOD	1613B	III
24-Jan-2011	SL-151-SA5B-SB-4.0-5.0	6190401	N	METHOD	1613B	III
24-Jan-2011	SL-032-SA5B-SB-4.0-5.0	6190395	N	METHOD	1613B	III
24-Jan-2011	SL-032-SA5B-SB-9.0-10.0	6190396	N	METHOD	1613B	III
24-Jan-2011	SL-032-SA5B-SB-14.0-15.0	6190397	N	METHOD	1613B	III
24-Jan-2011	SL-152-SA5B-SB-9.0-10.0	6190404	N	METHOD	1613B	III
24-Jan-2011	SL-152-SA5B-SB-4.0-5.0	6190403	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP20-SA5B-QC-012111

Collected: 1/21/2011 1:04:00

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	0.748	JBQ	0.0469	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.534	JB	0.0172	MDL	5.79	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.179	JB	0.0304	MDL	5.79	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0945	JBQ	0.0303	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.159	JB	0.0333	MDL	5.79	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.217	JB	0.0301	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.148	JB	0.0241	MDL	5.79	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.367	JB	0.0289	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.503	JB	0.0328	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.171	JBQ	0.0278	MDL	5.79	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.199	JB	0.0130	MDL	5.79	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HxCDF	0.217	JBQ	0.0287	MDL	5.79	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.189	JBQ	0.0135	MDL	5.79	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0690	JBQ	0.0275	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0374	JQ	0.0258	MDL	1.16	PQL	ng/Kg	J	Z, FD
OCDD	5.01	JB	0.0316	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.603	JB	0.0630	MDL	11.6	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-032-SA5B-SB-14.0-15.0

Collected: 1/24/2011 2:44:00

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	0.745	JB	0.0389	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.191	JB	0.0108	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0693	JBQ	0.0269	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0518	JB	0.0213	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.130	JBQ	0.0256	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0509	JBQ	0.0144	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.192	JB	0.0242	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.175	JBQ	0.0218	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0544	JBQ	0.0207	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0667	JB	0.0139	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0716	JB	0.0181	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0879	JBQ	0.0148	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0280	JBQ	0.0223	MDL	1.13	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-032-SA5B-SB-14.0-15.0

Collected: 1/24/2011 2:44:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	5.50	JB	0.0297	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.514	JB	0.0591	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-032-SA5B-SB-4.0-5.0

Collected: 1/24/2011 2:24:00

Analysis Type: RES

Dilution: 1

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	1.95	JB	0.0296	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.180	JBQ	0.0473	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.180	JBQ	0.0688	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.138	JBQ	0.0368	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.855	JB	0.0717	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.171	JB	0.0298	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.644	JBQ	0.0680	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.211	JB	0.0414	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.139	JBQ	0.0368	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0806	JB	0.0199	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.145	JB	0.0342	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.175	JB	0.0207	MDL	5.56	PQL	ng/Kg	U	B
OCDF	5.61	JB	0.0629	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-032-SA5B-SB-9.0-10.0

Collected: 1/24/2011 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	1.33	JBQ	0.0604	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.420	JB	0.0202	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0897	JBQ	0.0420	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0697	JBQ	0.0286	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.179	JBQ	0.0361	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0819	JB	0.0225	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.289	JBQ	0.0347	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.261	JB	0.0309	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0331	JBQ	0.0325	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0831	JBQ	0.0161	MDL	5.55	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.122	JBQ	0.0275	MDL	5.55	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.137	JBQ	0.0168	MDL	5.55	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-032-SA5B-SB-9.0-10.0

Collected: 1/24/2011 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	0.0437	JQ	0.0312	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	0.965	JB	0.0825	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-033-SA5B-SB-14.0-15.0

Collected: 1/24/2011 10:32:00

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	3.63	JB	0.0436	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.435	JB	0.0150	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0715	JBQ	0.0329	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0567	JB	0.0334	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0702	JBQ	0.0263	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.226	JB	0.0343	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.113	JB	0.0178	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.242	JBQ	0.0311	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.182	JB	0.0268	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.115	JB	0.0209	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.174	JB	0.0137	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.141	JB	0.0209	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.221	JB	0.0151	MDL	5.56	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0842	JQ	0.0266	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	1.01	JB	0.0588	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-033-SA5B-SB-4.0-5.0

Collected: 1/24/2011 10:13:00

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	1.30	JB	0.0385	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.387	JB	0.0153	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0836	JB	0.0257	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0317	JB	0.0300	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0673	JB	0.0263	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.250	JB	0.0301	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0939	JB	0.0191	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.333	JB	0.0299	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.228	JB	0.0263	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0448	JBQ	0.0204	MDL	5.53	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-033-SA5B-SB-4.0-5.0

Collected: 1/24/2011 10:13:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.0536	JBQ	0.0140	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.125	JBQ	0.0215	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.128	JBQ	0.0140	MDL	5.53	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0224	JBQ	0.0213	MDL	1.11	PQL	ng/Kg	U	B
OCDD	10.1	JB	0.0336	MDL	11.1	PQL	ng/Kg	J	Z
OCDF	0.456	JB	0.0444	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-033-SA5B-SB-9.0-10.0

Collected: 1/24/2011 10:24:00

Analysis Type: RES

Dilution: 1

Analyte	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	0.0440	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.494	JB	0.0145	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.102	JBQ	0.0362	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0745	JBQ	0.0282	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.225	JBQ	0.0345	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.104	JB	0.0191	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.307	JBQ	0.0328	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.218	JBQ	0.0290	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0879	JBQ	0.0239	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0906	JB	0.0128	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.147	JB	0.0240	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.167	JB	0.0138	MDL	5.59	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0344	JQ	0.0287	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	1.05	JB	0.0654	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-151-SA5B-SB-4.0-5.0

Collected: 1/24/2011 1:23:00

Analysis Type: RES

Dilution: 1

Analyte	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	0.0595	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.143	JB	0.0111	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.120	JBQ	0.0259	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0541	JBQ	0.0166	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0884	JBQ	0.0266	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0564	JBQ	0.0121	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.110	JB	0.0260	MDL	5.77	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-151-SA5B-SB-4.0-5.0

Collected: 1/24/2011 1:23:00

Analysis 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	0.111	JB	0.0185	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0869	JBQ	0.0242	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.101	JBQ	0.0107	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0786	JBQ	0.0149	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0817	JBQ	0.0136	MDL	5.77	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0623	JBQ	0.0297	MDL	1.15	PQL	ng/Kg	U	B
OCDF	0.461	JBQ	0.0569	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-151-SA5B-SB-7.0-8.0

Collected: 1/24/2011 1:10:00

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	0.693	JB	0.0376	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.321	JB	0.0754	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.110	JBQ	0.0364	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0774	JB	0.0340	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.430	JB	0.0358	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0613	JB	0.0223	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.132	JBQ	0.0362	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.140	JB	0.0277	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0524	JBQ	0.0238	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0352	JBQ	0.0104	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.121	JBQ	0.0250	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0627	JBQ	0.0123	MDL	5.78	PQL	ng/Kg	U	B
OCDF	1.73	JB	0.0828	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-152-SA5B-SB-4.0-5.0

Collected: 1/24/2011 2:57:00

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	0.303	JB	0.0341	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.101	JBQ	0.0106	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0607	JBQ	0.0217	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0585	JBQ	0.0147	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0644	JBQ	0.0214	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0337	JBQ	0.0100	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0864	JB	0.0210	MDL	5.81	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-152-SA5B-SB-4.0-5.0

Collected: 1/24/2011 2:57:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.0234	JBQ	0.0134	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0257	JBQ	0.0119	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0724	JBQ	0.0112	MDL	5.81	PQL	ng/Kg	U	B
OCDD	1.52	JB	0.0358	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.275	JBQ	0.0556	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-152-SA5B-SB-9.0-10.0

Collected: 1/24/2011 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
1,2,3,4,6,7,8-HPCDD	0.307	JBQ	0.0315	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.241	JB	0.0144	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0596	JBQ	0.0314	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0261	JBQ	0.0203	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0772	JB	0.0201	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0437	JB	0.0133	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0221	JBQ	0.0179	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0684	JBQ	0.0180	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0294	JBQ	0.0110	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0815	JBQ	0.0157	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0635	JB	0.0115	MDL	5.81	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0286	JQ	0.0220	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	1.35	JB	0.0348	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.334	JBQ	0.0597	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-253-SA5B-SB-3.0-4.0

Collected: 1/21/2011 1:15:00

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	0.506	JB	0.0351	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.300	JB	0.0128	MDL	5.78	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0212	U	0.0212	MDL	5.78	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HxCDD	0.0633	JBQ	0.0276	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0812	JB	0.0218	MDL	5.78	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDD	0.183	JBQ	0.0269	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0591	JBQ	0.0147	MDL	5.78	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.254	JB	0.0260	MDL	5.78	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-253-SA5B-SB-3.0-4.0

Collected: 1/21/2011 1:15:00

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-HXCDF	0.329	JB	0.0222	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0535	JBQ	0.0194	MDL	5.78	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0659	JB	0.0129	MDL	5.78	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.116	JB	0.0171	MDL	5.78	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0685	JBQ	0.0173	MDL	5.78	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0486	JBQ	0.0282	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0266	U	0.0266	MDL	1.16	PQL	ng/Kg	UJ	FD
OCDD	3.98	JB	0.0217	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.349	JB	0.0436	MDL	11.6	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-254-SA5B-SB-3.5-4.5

Collected: 1/21/2011 1:59:00

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	1.13	JB	0.0441	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.547	JB	0.0163	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.233	JB	0.0280	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.133	JB	0.0320	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.207	JB	0.0298	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.170	JB	0.0336	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.181	JBQ	0.0211	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.238	JB	0.0304	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.207	JB	0.0248	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.158	JB	0.0211	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.129	JBQ	0.0125	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.267	JB	0.0231	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.215	JBQ	0.0133	MDL	5.53	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0244	JB	0.0219	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0400	JQ	0.0243	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	0.768	JB	0.0434	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-307-SA5B-SB-14.0-15.0

Collected: 1/21/2011 3:18:00

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	0.475	JBQ	0.0580	MDL	6.12	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.320	JB	0.0174	MDL	6.12	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-307-SA5B-SB-14.0-15.0

Collected: 1/21/2011 3:18:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.0724	JB	0.0335	MDL	6.12	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0433	JB	0.0326	MDL	6.12	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0937	JB	0.0272	MDL	6.12	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0954	JBQ	0.0322	MDL	6.12	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0690	JB	0.0213	MDL	6.12	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.107	JBQ	0.0312	MDL	6.12	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.189	JB	0.0274	MDL	6.12	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0550	JBQ	0.0333	MDL	6.12	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0828	JBQ	0.0201	MDL	6.12	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.110	JB	0.0269	MDL	6.12	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.117	JBQ	0.0213	MDL	6.12	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0510	JBQ	0.0361	MDL	1.22	PQL	ng/Kg	U	B
OCDD	3.52	JB	0.0449	MDL	12.2	PQL	ng/Kg	J	Z
OCDF	0.469	JBQ	0.0902	MDL	12.2	PQL	ng/Kg	U	B

Sample ID: SL-307-SA5B-SB-4.0-5.0

Collected: 1/21/2011 2:58:00

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-HPCCD	0.412	JB	0.0376	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.430	JB	0.0160	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.157	JB	0.0299	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0799	JBQ	0.0269	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.170	JB	0.0274	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.124	JBQ	0.0268	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.162	JBQ	0.0196	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.166	JB	0.0263	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.166	JB	0.0274	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.148	JBQ	0.0263	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.182	JBQ	0.0173	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.166	JBQ	0.0228	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.193	JB	0.0181	MDL	5.54	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0345	JB	0.0302	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0630	J	0.0323	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	1.22	JB	0.0287	MDL	11.1	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-307-SA5B-SB-4.0-5.0

Collected: 1/21/2011 2:58:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.475	JBQ	0.0538	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-307-SA5B-SB-9.0-10.0

Collected: 1/21/2011 3:08:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.386	JBQ	0.0338	MDL	6.04	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.399	JBQ	0.0156	MDL	6.04	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0846	JBQ	0.0258	MDL	6.04	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0510	JB	0.0258	MDL	6.04	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.144	JB	0.0295	MDL	6.04	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0878	JBQ	0.0260	MDL	6.04	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0909	JBQ	0.0188	MDL	6.04	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.145	JB	0.0231	MDL	6.04	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.215	JB	0.0221	MDL	6.04	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.130	JBQ	0.0227	MDL	6.04	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.139	JBQ	0.0135	MDL	6.04	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.191	JB	0.0188	MDL	6.04	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.147	JB	0.0139	MDL	6.04	PQL	ng/Kg	U	B
OCDD	1.19	JB	0.0312	MDL	12.1	PQL	ng/Kg	U	B
OCDF	0.500	JB	0.0516	MDL	12.1	PQL	ng/Kg	U	B

Sample ID: SL-308-SA5B-SB-14.0-15.0

Collected: 1/21/2011 11:39:00

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	2.77	JB	0.0365	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.784	JB	0.0167	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.140	JBQ	0.0292	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0392	JBQ	0.0287	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.151	JB	0.0341	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.206	JBQ	0.0279	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.139	JBQ	0.0233	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.234	JBQ	0.0263	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.180	JBQ	0.0263	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0518	JBQ	0.0174	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0850	JBQ	0.0118	MDL	5.52	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-308-SA5B-SB-14.0-15.0

Collected: 1/21/2011 11:39:00

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	0.207	JBQ	0.0240	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.209	JB	0.0123	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0393	JQ	0.0260	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	1.54	JB	0.0478	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-308-SA5B-SB-4.0-5.0

Collected: 1/21/2011 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	0.687	JB	0.0424	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.606	JB	0.0255	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.108	JBQ	0.0266	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0527	JBQ	0.0305	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.155	JB	0.0336	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.324	JB	0.0296	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.211	JB	0.0247	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.630	JB	0.0256	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.232	JBQ	0.0214	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0683	JBQ	0.0248	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0820	JBQ	0.0149	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.172	JBQ	0.0195	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.160	JBQ	0.0146	MDL	5.67	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0371	JQ	0.0319	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	6.86	JB	0.0322	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.561	JB	0.0485	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-308-SA5B-SB-9.0-10.0

Collected: 1/21/2011 11:29:00

Analysis Type: RES

Dilution: 1

Analyte	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	0.0325	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.572	JB	0.0149	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0938	JB	0.0256	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0426	JBQ	0.0274	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.100	JB	0.0241	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.228	JBQ	0.0276	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.116	JB	0.0199	MDL	5.51	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 9:44:55 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-308-SA5B-SB-9.0-10.0

Collected: 1/21/2011 11:29:00

Analysis 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	0.256	JBQ	0.0275	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.256	JB	0.0257	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0679	JBQ	0.0197	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0844	JB	0.0137	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.162	JB	0.0219	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.147	JBQ	0.0137	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0357	JQ	0.0244	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	1.15	JB	0.0371	MDL	11.0	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 9:44:55 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX043

Method Blank Outlier Report

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371244	2/11/2011 12:44:00 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	0.355 ng/Kg 0.362 ng/Kg 0.100 ng/Kg 0.0565 ng/Kg 0.119 ng/Kg 0.0638 ng/Kg 0.0953 ng/Kg 0.0761 ng/Kg 0.107 ng/Kg 0.0957 ng/Kg 0.0858 ng/Kg 0.145 ng/Kg 0.0990 ng/Kg 0.0391 ng/Kg 0.568 ng/Kg 0.435 ng/Kg	DUP20-SA5B-QC-012111 SL-032-SA5B-SB-14.0-15.0 SL-032-SA5B-SB-4.0-5.0 SL-032-SA5B-SB-9.0-10.0 SL-033-SA5B-SB-14.0-15.0 SL-033-SA5B-SB-4.0-5.0 SL-033-SA5B-SB-9.0-10.0 SL-151-SA5B-SB-4.0-5.0 SL-151-SA5B-SB-7.0-8.0 SL-152-SA5B-SB-4.0-5.0 SL-152-SA5B-SB-9.0-10.0 SL-253-SA5B-SB-3.0-4.0 SL-254-SA5B-SB-3.5-4.5 SL-307-SA5B-SB-14.0-15.0 SL-307-SA5B-SB-4.0-5.0 SL-307-SA5B-SB-9.0-10.0 SL-308-SA5B-SB-14.0-15.0 SL-308-SA5B-SB-4.0-5.0 SL-308-SA5B-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
DUP20-SA5B-QC-012111(RES)	1,2,3,4,6,7,8-HPCDD	0.748 ng/Kg	0.748U ng/Kg
DUP20-SA5B-QC-012111(RES)	1,2,3,4,6,7,8-HPCDF	0.534 ng/Kg	0.534U ng/Kg
DUP20-SA5B-QC-012111(RES)	1,2,3,4,7,8,9-HPCDF	0.179 ng/Kg	0.179U ng/Kg
DUP20-SA5B-QC-012111(RES)	1,2,3,4,7,8-HxCDD	0.0945 ng/Kg	0.0945U ng/Kg
DUP20-SA5B-QC-012111(RES)	1,2,3,4,7,8-HxCDF	0.159 ng/Kg	0.159U ng/Kg
DUP20-SA5B-QC-012111(RES)	1,2,3,6,7,8-HxCDD	0.217 ng/Kg	0.217U ng/Kg
DUP20-SA5B-QC-012111(RES)	1,2,3,6,7,8-HxCDF	0.148 ng/Kg	0.148U ng/Kg
DUP20-SA5B-QC-012111(RES)	1,2,3,7,8,9-HxCDD	0.367 ng/Kg	0.367U ng/Kg
DUP20-SA5B-QC-012111(RES)	1,2,3,7,8,9-HxCDF	0.503 ng/Kg	0.503U ng/Kg
DUP20-SA5B-QC-012111(RES)	1,2,3,7,8-PECDD	0.171 ng/Kg	0.171U ng/Kg
DUP20-SA5B-QC-012111(RES)	1,2,3,7,8-PECDF	0.199 ng/Kg	0.199U ng/Kg
DUP20-SA5B-QC-012111(RES)	2,3,4,6,7,8-HxCDF	0.217 ng/Kg	0.217U ng/Kg
DUP20-SA5B-QC-012111(RES)	2,3,4,7,8-PECDF	0.189 ng/Kg	0.189U ng/Kg
DUP20-SA5B-QC-012111(RES)	2,3,7,8-TCDD	0.0690 ng/Kg	0.0690U ng/Kg
DUP20-SA5B-QC-012111(RES)	OCDF	0.603 ng/Kg	0.603U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDD	0.745 ng/Kg	0.745U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDF	0.191 ng/Kg	0.191U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0693 ng/Kg	0.0693U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8-HxCDF	0.0518 ng/Kg	0.0518U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	1,2,3,6,7,8-HxCDD	0.130 ng/Kg	0.130U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	1,2,3,6,7,8-HxCDF	0.0509 ng/Kg	0.0509U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8,9-HxCDD	0.192 ng/Kg	0.192U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8,9-HxCDF	0.175 ng/Kg	0.175U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8-PECDD	0.0544 ng/Kg	0.0544U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8-PECDF	0.0667 ng/Kg	0.0667U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_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-SA5B-SB-14.0-15.0(RES)	2,3,4,6,7,8-HXCDF	0.0716 ng/Kg	0.0716U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	2,3,4,7,8-PECDF	0.0879 ng/Kg	0.0879U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	2,3,7,8-TCDD	0.0280 ng/Kg	0.0280U ng/Kg
SL-032-SA5B-SB-14.0-15.0(RES)	OCDF	0.514 ng/Kg	0.514U ng/Kg
SL-032-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.180 ng/Kg	0.180U ng/Kg
SL-032-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.180 ng/Kg	0.180U ng/Kg
SL-032-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-032-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.171 ng/Kg	0.171U ng/Kg
SL-032-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.211 ng/Kg	0.211U ng/Kg
SL-032-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.139 ng/Kg	0.139U ng/Kg
SL-032-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0806 ng/Kg	0.0808U ng/Kg
SL-032-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.145 ng/Kg	0.145U ng/Kg
SL-032-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.175 ng/Kg	0.175U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	1.33 ng/Kg	1.33U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.420 ng/Kg	0.420U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0897 ng/Kg	0.0897U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0697 ng/Kg	0.0697U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.179 ng/Kg	0.179U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0819 ng/Kg	0.0819U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.289 ng/Kg	0.289U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.261 ng/Kg	0.261U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0331 ng/Kg	0.0331U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0831 ng/Kg	0.0831U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.122 ng/Kg	0.122U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.137 ng/Kg	0.137U ng/Kg
SL-032-SA5B-SB-9.0-10.0(RES)	OCDF	0.965 ng/Kg	0.965U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDF	0.435 ng/Kg	0.435U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0715 ng/Kg	0.0715U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8-HxCDD	0.0567 ng/Kg	0.0567U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8-HXCDF	0.0702 ng/Kg	0.0702U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	1,2,3,6,7,8-HXCDD	0.226 ng/Kg	0.226U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	1,2,3,6,7,8-HXCDF	0.113 ng/Kg	0.113U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8,9-HXCDD	0.242 ng/Kg	0.242U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8,9-HXCDF	0.182 ng/Kg	0.182U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8-PECDD	0.115 ng/Kg	0.115U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8-PECDF	0.174 ng/Kg	0.174U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	2,3,4,6,7,8-HXCDF	0.141 ng/Kg	0.141U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_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-SA5B-SB-14.0-15.0(RES)	2,3,4,7,8-PECDF	0.221 ng/Kg	0.221U ng/Kg
SL-033-SA5B-SB-14.0-15.0(RES)	OCDF	1.01 ng/Kg	1.01U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	1,2,3,4,8,7,8-HPCDD	1.30 ng/Kg	1.30U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.387 ng/Kg	0.387U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0836 ng/Kg	0.0836U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0317 ng/Kg	0.0317U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0673 ng/Kg	0.0673U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.250 ng/Kg	0.250U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0939 ng/Kg	0.0939U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.333 ng/Kg	0.333U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.228 ng/Kg	0.228U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0448 ng/Kg	0.0448U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0536 ng/Kg	0.0536U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.125 ng/Kg	0.125U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.128 ng/Kg	0.128U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0224 ng/Kg	0.0224U ng/Kg
SL-033-SA5B-SB-4.0-5.0(RES)	OCDF	0.456 ng/Kg	0.456U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	1.55 ng/Kg	1.55U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.494 ng/Kg	0.494U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.102 ng/Kg	0.102U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0745 ng/Kg	0.0745U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.225 ng/Kg	0.225U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.104 ng/Kg	0.104U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.307 ng/Kg	0.307U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.218 ng/Kg	0.218U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0879 ng/Kg	0.0879U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0906 ng/Kg	0.0906U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.147 ng/Kg	0.147U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.167 ng/Kg	0.167U ng/Kg
SL-033-SA5B-SB-9.0-10.0(RES)	OCDF	1.05 ng/Kg	1.05U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.57 ng/Kg	1.57U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.143 ng/Kg	0.143U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.120 ng/Kg	0.120U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0541 ng/Kg	0.0541U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0884 ng/Kg	0.0884U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0564 ng/Kg	0.0564U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.110 ng/Kg	0.110U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_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-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0869 ng/Kg	0.0869U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.101 ng/Kg	0.101U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0786 ng/Kg	0.0786U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0817 ng/Kg	0.0817U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0623 ng/Kg	0.0623U ng/Kg
SL-151-SA5B-SB-4.0-5.0(RES)	OCDF	0.461 ng/Kg	0.461U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.693 ng/Kg	0.693U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.321 ng/Kg	0.321U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HxCDD	0.110 ng/Kg	0.110U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.0774 ng/Kg	0.0774U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDF	0.0613 ng/Kg	0.0613U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDD	0.132 ng/Kg	0.132U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.140 ng/Kg	0.140U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDD	0.0524 ng/Kg	0.0524U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.0352 ng/Kg	0.0352U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0627 ng/Kg	0.0627U ng/Kg
SL-151-SA5B-SB-7.0-8.0(RES)	OCDF	1.73 ng/Kg	1.73U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.303 ng/Kg	0.303U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.101 ng/Kg	0.101U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0607 ng/Kg	0.0607U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0585 ng/Kg	0.0585U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0644 ng/Kg	0.0644U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0337 ng/Kg	0.0337U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0864 ng/Kg	0.0864U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0234 ng/Kg	0.0234U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0257 ng/Kg	0.0257U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0724 ng/Kg	0.0724U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	OCDD	1.52 ng/Kg	1.52U ng/Kg
SL-152-SA5B-SB-4.0-5.0(RES)	OCDF	0.275 ng/Kg	0.275U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.307 ng/Kg	0.307U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.241 ng/Kg	0.241U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0596 ng/Kg	0.0596U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0261 ng/Kg	0.0261U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0772 ng/Kg	0.0772U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0437 ng/Kg	0.0437U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_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-152-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.0221 ng/Kg	0.0221U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0684 ng/Kg	0.0684U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0294 ng/Kg	0.0294U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0815 ng/Kg	0.0815U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0635 ng/Kg	0.0635U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	OCDD	1.35 ng/Kg	1.35U ng/Kg
SL-152-SA5B-SB-9.0-10.0(RES)	OCDF	0.334 ng/Kg	0.334U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	1,2,3,4,8,7,8-HPCDD	0.506 ng/Kg	0.506U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.300 ng/Kg	0.300U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HxCDD	0.0633 ng/Kg	0.0633U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HxCDF	0.0812 ng/Kg	0.0812U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HxCDD	0.183 ng/Kg	0.183U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HxCDF	0.0591 ng/Kg	0.0591U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HxCDD	0.254 ng/Kg	0.254U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HxCDF	0.329 ng/Kg	0.329U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDD	0.0535 ng/Kg	0.0535U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0659 ng/Kg	0.0659U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HxCDF	0.116 ng/Kg	0.116U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0685 ng/Kg	0.0685U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	2,3,7,8-TCDD	0.0486 ng/Kg	0.0486U ng/Kg
SL-253-SA5B-SB-3.0-4.0(RES)	OCDF	0.349 ng/Kg	0.349U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDD	1.13 ng/Kg	1.13U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDF	0.547 ng/Kg	0.547U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPCDF	0.233 ng/Kg	0.233U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8-HxCDD	0.133 ng/Kg	0.133U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8-HxCDF	0.207 ng/Kg	0.207U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	1,2,3,6,7,8-HxCDD	0.170 ng/Kg	0.170U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	1,2,3,6,7,8-HxCDF	0.181 ng/Kg	0.181U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8,9-HxCDD	0.238 ng/Kg	0.238U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8,9-HxCDF	0.207 ng/Kg	0.207U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDD	0.158 ng/Kg	0.158U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.129 ng/Kg	0.129U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	2,3,4,6,7,8-HxCDF	0.267 ng/Kg	0.267U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.215 ng/Kg	0.215U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	2,3,7,8-TCDD	0.0244 ng/Kg	0.0244U ng/Kg
SL-254-SA5B-SB-3.5-4.5(RES)	OCDF	0.768 ng/Kg	0.768U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDD	0.475 ng/Kg	0.475U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_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-307-SA5B-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDF	0.320 ng/Kg	0.320U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0724 ng/Kg	0.0724U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8-HxCDD	0.0433 ng/Kg	0.0433U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8-HxCDF	0.0937 ng/Kg	0.0937U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	1,2,3,6,7,8-HxCDD	0.0954 ng/Kg	0.0954U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	1,2,3,6,7,8-HxCDF	0.0690 ng/Kg	0.0690U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8,9-HxCDD	0.107 ng/Kg	0.107U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	1,2,3,7,6,9-HxCDF	0.189 ng/Kg	0.189U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8-PECDD	0.0550 ng/Kg	0.0550U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8-PECDF	0.0828 ng/Kg	0.0828U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	2,3,4,6,7,8-HxCDF	0.110 ng/Kg	0.110U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	2,3,4,7,8-PECDF	0.117 ng/Kg	0.117U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	2,3,7,8-TCDD	0.0510 ng/Kg	0.0510U ng/Kg
SL-307-SA5B-SB-14.0-15.0(RES)	OCDF	0.469 ng/Kg	0.469U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.412 ng/Kg	0.412U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.430 ng/Kg	0.430U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.157 ng/Kg	0.157U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0799 ng/Kg	0.0799U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.170 ng/Kg	0.170U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.124 ng/Kg	0.124U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.162 ng/Kg	0.162U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.166 ng/Kg	0.166U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.166 ng/Kg	0.166U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.148 ng/Kg	0.148U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.182 ng/Kg	0.182U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.166 ng/Kg	0.166U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.193 ng/Kg	0.193U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0345 ng/Kg	0.0345U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	OCDD	1.22 ng/Kg	1.22U ng/Kg
SL-307-SA5B-SB-4.0-5.0(RES)	OCDF	0.475 ng/Kg	0.475U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.386 ng/Kg	0.386U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.399 ng/Kg	0.399U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0846 ng/Kg	0.0846U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0510 ng/Kg	0.0510U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.144 ng/Kg	0.144U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDD	0.0878 ng/Kg	0.0878U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0909 ng/Kg	0.0909U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_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-307-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDD	0.145 ng/Kg	0.145U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.215 ng/Kg	0.215U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PCDD	0.130 ng/Kg	0.130U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PCDF	0.139 ng/Kg	0.139U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.191 ng/Kg	0.191U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PCDF	0.147 ng/Kg	0.147U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	OCDD	1.19 ng/Kg	1.19U ng/Kg
SL-307-SA5B-SB-9.0-10.0(RES)	OCDF	0.500 ng/Kg	0.500U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDF	0.784 ng/Kg	0.784U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8,9-HPCDF	0.140 ng/Kg	0.140U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8-HxCDD	0.0392 ng/Kg	0.0392U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8-HxCDF	0.151 ng/Kg	0.151U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	1,2,3,6,7,8-HxCDD	0.206 ng/Kg	0.206U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	1,2,3,6,7,8-HxCDF	0.139 ng/Kg	0.139U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8,9-HxCDD	0.234 ng/Kg	0.234U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8,9-HxCDF	0.180 ng/Kg	0.180U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8-PCDD	0.0518 ng/Kg	0.0518U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8-PCDF	0.0850 ng/Kg	0.0850U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	2,3,4,6,7,8-HxCDF	0.207 ng/Kg	0.207U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	2,3,4,7,8-PCDF	0.209 ng/Kg	0.209U ng/Kg
SL-308-SA5B-SB-14.0-15.0(RES)	OCDF	1.54 ng/Kg	1.54U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.687 ng/Kg	0.687U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.606 ng/Kg	0.606U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.108 ng/Kg	0.108U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0527 ng/Kg	0.0527U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.155 ng/Kg	0.155U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.211 ng/Kg	0.211U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.232 ng/Kg	0.232U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PCDD	0.0683 ng/Kg	0.0683U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PCDF	0.0820 ng/Kg	0.0820U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.172 ng/Kg	0.172U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PCDF	0.160 ng/Kg	0.160U ng/Kg
SL-308-SA5B-SB-4.0-5.0(RES)	OCDF	0.561 ng/Kg	0.561U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.572 ng/Kg	0.572U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0938 ng/Kg	0.0938U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0426 ng/Kg	0.0426U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.100 ng/Kg	0.100U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_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-308-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.228 ng/Kg	0.228U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.116 ng/Kg	0.116U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.256 ng/Kg	0.256U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.256 ng/Kg	0.256U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0679 ng/Kg	0.0679U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0844 ng/Kg	0.0844U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.162 ng/Kg	0.162U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.147 ng/Kg	0.147U ng/Kg
SL-308-SA5B-SB-9.0-10.0(RES)	OCDF	1.15 ng/Kg	1.15U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Field Duplicate RPD Report

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-253-SA5B-SB-3.0-4.0	DUP20-SA5B-QC-012111			
MOISTURE	13.5	13.6	1		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-253-SA5B-SB-3.0-4.0	DUP20-SA5B-QC-012111			
1,2,3,4,6,7,8-HPCDD	0.506	0.748	39	50.00	No Qualifiers Applied
1,2,3,4,7,8-HxCDD	0.0633	0.0945	40	50.00	
1,2,3,6,7,8-HxCDD	0.183	0.217	17	50.00	
1,2,3,7,8,9-HxCDD	0.254	0.367	36	50.00	
1,2,3,7,8,9-HxCDF	0.329	0.503	42	50.00	
2,3,7,8-TCDD	0.0486	0.0690	35	50.00	
OCDD	3.98	5.01	23	50.00	
1,2,3,4,6,7,8-HPCDF	0.300	0.534	56	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,7,8,9-HPCDF	5.78 U	0.179	200	50.00	
1,2,3,4,7,8-HxCDF	0.0812	0.159	65	50.00	
1,2,3,6,7,8-HxCDF	0.0591	0.148	86	50.00	
1,2,3,7,8-PECDD	0.0535	0.171	105	50.00	
1,2,3,7,8-PECDF	0.0659	0.199	100	50.00	
2,3,4,6,7,8-HxCDF	0.116	0.217	61	50.00	
2,3,4,7,8-PECDF	0.0685	0.189	94	50.00	
2,3,7,8-TCDF	1.16 U	0.0374	200	50.00	
OCDF	0.349	0.603	53	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP20-SA5B-QC-012111	1,2,3,4,6,7,8-HPCDD	JBQ	0.748	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.534	5.79	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.179	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0945	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.159	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.217	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.148	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.367	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.503	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.171	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.199	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.217	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.189	5.79	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0690	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0374	1.16	PQL	ng/Kg	
	OCDD	JB	5.01	11.6	PQL	ng/Kg	
	OCDF	JB	0.603	11.6	PQL	ng/Kg	
SL-032-SA5B-SB-14.0-15.0	1,2,3,4,6,7,8-HPCDD	JB	0.745	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.191	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0693	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0518	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.130	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0509	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.192	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.175	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0544	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0667	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0716	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0879	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0280	1.13	PQL	ng/Kg	
	OCDD	JB	5.50	11.3	PQL	ng/Kg	
	OCDF	JB	0.514	11.3	PQL	ng/Kg	
SL-032-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.95	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.180	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.180	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.138	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.855	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.171	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.644	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.211	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.139	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0806	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.145	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.175	5.56	PQL	ng/Kg	
	OCDF	JB	5.61	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-032-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	1.33	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.420	5.55	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0897	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0697	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.179	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0819	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.289	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.261	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0331	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0831	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.122	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.137	5.55	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0437	1.11	PQL	ng/Kg	
	OCDF	JB	0.965	11.1	PQL	ng/Kg	
SL-033-SA5B-SB-14.0-15.0	1,2,3,4,6,7,8-HPCDD	JB	3.63	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.435	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0715	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0567	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0702	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.226	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.113	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.242	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.182	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.115	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.174	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.141	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.221	5.56	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0842	1.11	PQL	ng/Kg	
	OCDF	JB	1.01	11.1	PQL	ng/Kg	
SL-033-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.30	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.387	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0836	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0317	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0673	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.250	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0939	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.333	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.228	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0448	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0536	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.125	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.128	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0224	1.11	PQL	ng/Kg	
	OCDD	JB	10.1	11.1	PQL	ng/Kg	
	OCDF	JB	0.456	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-033-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.55	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.494	5.59	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.102	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0745	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.225	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.104	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.307	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.218	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0879	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0906	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.147	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.167	5.59	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0344	1.12	PQL	ng/Kg	
	OCDF	JB	1.05	11.2	PQL	ng/Kg	
SL-151-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.57	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.143	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.120	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0541	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0884	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0564	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.110	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.111	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0869	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.101	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0786	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0817	5.77	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0623	1.15	PQL	ng/Kg	
	OCDF	JBQ	0.461	11.5	PQL	ng/Kg	
SL-151-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDF	JB	0.693	5.78	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.321	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.110	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0774	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.430	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0613	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.132	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.140	5.78	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0524	5.78	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0352	5.78	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.121	5.78	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0627	5.78	PQL	ng/Kg	
	OCDF	JB	1.73	11.6	PQL	ng/Kg	
SL-152-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.303	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.101	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0607	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0585	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0644	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0337	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0864	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0234	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0257	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0724	5.81	PQL	ng/Kg	
	OCDD	JB	1.52	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.275	11.6	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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ADR version 1.4.0.111

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Reporting Limit Outliers

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-152-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.307	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.241	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HPCDF	JBQ	0.0596	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0261	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0772	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0437	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0221	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0684	5.81	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JBQ	0.0294	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0815	5.81	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JB	0.0635	5.81	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0286	1.16	PQL	ng/Kg	
	OCDD	JB	1.35	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.334	11.6	PQL	ng/Kg	
SL-253-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.506	5.78	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.300	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0633	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0812	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.183	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0591	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.254	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.329	5.78	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JBQ	0.0535	5.78	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.0659	5.78	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.116	5.78	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.0685	5.78	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0486	1.16	PQL	ng/Kg	
	OCDD	JB	3.98	11.6	PQL	ng/Kg	
	OCDF	JB	0.349	11.6	PQL	ng/Kg	
SL-254-SA5B-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JB	1.13	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.547	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.233	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.133	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.207	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.170	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.181	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.238	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.207	5.53	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.158	5.53	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JBQ	0.129	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.267	5.53	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.215	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0244	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0400	1.11	PQL	ng/Kg	
	OCDF	JB	0.768	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-307-SA5B-SB-14.0-15.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.475	6.12	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.320	6.12	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0724	6.12	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0433	6.12	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0937	6.12	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0954	6.12	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0690	6.12	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.107	6.12	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.189	6.12	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0550	6.12	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0828	6.12	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.110	6.12	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.117	6.12	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0510	1.22	PQL	ng/Kg	
	OCDD	JB	3.52	12.2	PQL	ng/Kg	
	OCDF	JBQ	0.469	12.2	PQL	ng/Kg	
SL-307-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.412	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.430	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.157	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0799	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.170	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.124	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.162	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.166	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.166	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.148	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.182	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.166	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.193	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0345	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0630	1.11	PQL	ng/Kg	
	OCDD	JB	1.22	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.475	11.1	PQL	ng/Kg	
SL-307-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.366	6.04	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.399	6.04	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0846	6.04	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0510	6.04	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.144	6.04	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0878	6.04	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0909	6.04	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.145	6.04	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.215	6.04	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.130	6.04	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.139	6.04	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.191	6.04	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.147	6.04	PQL	ng/Kg	
	OCDD	JB	1.19	12.1	PQL	ng/Kg	
	OCDF	JB	0.500	12.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX043

Laboratory: LL

EDD Filename: DX043_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-308-SA5B-SB-14.0-15.0	1,2,3,4,6,7,8-HPCDD	JB	2.77	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.784	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.140	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0392	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.151	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.206	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.139	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.234	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.180	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0518	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0850	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.207	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.209	5.52	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0393	1.10	PQL	ng/Kg	
	OCDF	JB	1.54	11.0	PQL	ng/Kg	
SL-308-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.687	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.606	5.67	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.108	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0527	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.155	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.324	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.211	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.630	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.232	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0683	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0820	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.172	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.160	5.67	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0371	1.13	PQL	ng/Kg	
	OCDD	JB	6.86	11.3	PQL	ng/Kg	
	OCDF	JB	0.561	11.3	PQL	ng/Kg	
SL-308-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.85	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.572	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0938	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0426	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.100	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.228	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.116	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.256	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.256	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0679	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0844	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.162	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.147	5.51	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0357	1.10	PQL	ng/Kg	
	OCDF	JB	1.15	11.0	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX044

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
24-Jan-2011	SL-155-SA5B-SB-3.5-4.5	6190407	N	METHOD	1613B	III
24-Jan-2011	SL-154-SA5B-SB-4.0-5.0	6190406	N	METHOD	1613B	III
24-Jan-2011	SL-153-SA5B-SB-4.0-5.0	6190405	N	METHOD	1613B	III
25-Jan-2011	SL-156-SA5B-SB-4.0-5.0	6191434	N	METHOD	1613B	III
25-Jan-2011	SL-148-SA5B-SB-4.0-5.0	6191431	N	METHOD	1613B	III
25-Jan-2011	SL-149-SA5B-SB-3.5-4.5	6191432	N	METHOD	1613B	III
25-Jan-2011	SL-150-SA5B-SB-4.0-5.0	6191433	N	METHOD	1613B	III
26-Jan-2011	SL-263-SA5B-SB-2.0-3.0	6192781	N	METHOD	1613B	III
26-Jan-2011	SL-018-SA5B-SB-4.0-5.0	6192776	N	METHOD	1613B	III
26-Jan-2011	SL-018-SA5B-SB-9.0-10.0	6192777	N	METHOD	1613B	III
26-Jan-2011	SL-262-SA5B-SB-4.0-5.0	6192780	N	METHOD	1613B	III
26-Jan-2011	EB26-SA5B-012611	6192782	EB	METHOD	1613B	III
26-Jan-2011	SL-016-SA5B-SB-4.0-5.0	6192774	N	METHOD	1613B	III
26-Jan-2011	SL-016-SA5B-SB-9.0-10.0	6192775	N	METHOD	1613B	III
26-Jan-2011	SL-180-SA5B-SB-9.0-10.0	6192779	N	METHOD	1613B	III
26-Jan-2011	SL-180-SA5B-SB-4.0-5.0	6192778	N	METHOD	1613B	III
26-Jan-2011	SL-015-SA5B-SB-4.0-5.0	6192773	N	METHOD	1613B	III
31-Jan-2011	SL-182-SA5B-SB-4.0-5.0	6197590	N	METHOD	1613B	III
31-Jan-2011	SL-182-SA5B-SB-4.0-5.0MS	6197591	MS	METHOD	1613B	III
31-Jan-2011	SL-182-SA5B-SB-4.0-5.0MSD	6197592	MSD	METHOD	1613B	III
31-Jan-2011	DUP21-SA5B-QC-013111	6197589	FD	METHOD	1613B	III
31-Jan-2011	SL-204-SA5B-SB-4.0-5.0	6197593	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	AQ

Sample ID: EB26-SA5B-012611

Collected: 1/26/2011 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	1.75	JBQ	0.320	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.352	JBQ	0.0954	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.172	JBQ	0.121	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.188	JBQ	0.120	MDL	10.1	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.217	JBQ	0.188	MDL	10.1	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.146	JBQ	0.0908	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.147	JBQ	0.123	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.279	JBQ	0.248	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.243	JBQ	0.117	MDL	10.1	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.245	JBQ	0.0967	MDL	10.1	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.409	JBQ	0.111	MDL	10.1	PQL	pg/L	U	B
OCDD	4.91	JBQ	0.266	MDL	20.2	PQL	pg/L	U	B
OCDF	0.892	JB	0.399	MDL	20.2	PQL	pg/L	U	B

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP21-SA5B-QC-013111

Collected: 1/31/2011 9:49:00

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	0.193	JBQ	0.0147	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.276	JB	0.0105	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0544	JBQ	0.0147	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0232	JBQ	0.0115	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0903	JBQ	0.0166	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0389	JBQ	0.0117	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0569	JB	0.0116	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0521	JBQ	0.0109	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0468	JBQ	0.0122	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0455	JBQ	0.0104	MDL	5.70	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0630	JBQ	0.00684	MDL	5.70	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.0871	JB	0.0103	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0967	JBQ	0.00741	MDL	5.70	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0168	JBQ	0.00889	MDL	1.14	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP21-SA5B-QC-013111

Collected: 1/31/2011 9:49:00

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	0.0226	JBQ	0.00867	MDL	1.14	PQL	ng/Kg	UJ	B, FD
OCDD	0.577	JB	0.0225	MDL	11.4	PQL	ng/Kg	UJ	B, FD
OCDF	0.245	JBQ	0.0169	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-015-SA5B-SB-4.0-5.0

Collected: 1/26/2011 4:02:00

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-HPCDF	2.69	JB	0.0224	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.241	JB	0.0250	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.260	JB	0.0361	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.274	JB	0.0280	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.882	JB	0.0362	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.318	JB	0.0211	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.832	JB	0.0332	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.200	JB	0.0203	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.274	JB	0.0174	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.252	JB	0.00906	MDL	5.81	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.254	JB	0.0190	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.257	JBQ	0.00929	MDL	5.81	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0640	JB	0.00650	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0888	JB	0.0127	MDL	1.16	PQL	ng/Kg	J	Z
OCDF	6.46	JB	0.0131	MDL	11.6	PQL	ng/Kg	J	Z

Sample ID: SL-016-SA5B-SB-4.0-5.0

Collected: 1/26/2011 2:04:00

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	1.42	JB	0.0146	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.171	JB	0.0184	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.137	JB	0.0406	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.138	JB	0.0302	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.540	JB	0.0421	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.157	JBQ	0.0248	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.506	JB	0.0398	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.176	JB	0.0280	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.109	JBQ	0.0194	MDL	5.71	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-016-SA5B-SB-4.0-5.0

Collected: 1/26/2011 2:04:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.115	JB	0.00949	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.192	JB	0.0254	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.161	JB	0.00960	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0576	JB	0.00949	MDL	1.14	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0308	JBQ	0.0134	MDL	1.14	PQL	ng/Kg	U	B
OCDF	3.23	JB	0.0200	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-016-SA5B-SB-9.0-10.0

Collected: 1/26/2011 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
1,2,3,4,6,7,8-HPCDF	5.11	JB	0.0313	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.365	JB	0.0291	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.590	JBQ	0.0634	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.278	JB	0.0461	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.37	JB	0.0627	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.388	JB	0.0344	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.50	JB	0.0587	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.164	JB	0.0313	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.367	JB	0.0275	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0535	JB	0.0107	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.495	JB	0.0296	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.176	JBQ	0.0109	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0371	JBQ	0.0100	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0391	JBQ	0.0153	MDL	1.10	PQL	ng/Kg	U	B
OCDF	10.6	JB	0.0237	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-018-SA5B-SB-4.0-5.0

Collected: 1/26/2011 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	1.45	JB	0.0292	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.704	JB	0.0182	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0741	JB	0.0290	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0364	JBQ	0.0284	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.188	JB	0.0343	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.221	JBQ	0.0295	MDL	5.80	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-018-SA5B-SB-4.0-5.0

Collected: 1/26/2011 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
1,2,3,6,7,8-HXCDF	0.140	JB	0.0285	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.342	JB	0.0291	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.188	JB	0.0368	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0611	JB	0.0179	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.118	JB	0.0215	MDL	5.80	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.245	JB	0.0314	MDL	5.80	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.269	JB	0.0234	MDL	5.80	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0235	JBQ	0.0114	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0654	JBQ	0.0387	MDL	1.16	PQL	ng/Kg	U	B
OCDF	1.05	JB	0.0303	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-018-SA5B-SB-9.0-10.0

Collected: 1/26/2011 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	0.270	JBQ	0.0162	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.213	JB	0.00819	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0337	JBQ	0.0127	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0411	JB	0.0138	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.610	JB	0.0209	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.261	JB	0.0113	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.34	JB	0.0190	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0961	JB	0.0138	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0524	JBQ	0.0122	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0231	JBQ	0.00696	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0800	JB	0.0122	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0556	JBQ	0.00752	MDL	5.61	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0103	JBQ	0.00842	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0122	JB	0.00920	MDL	1.12	PQL	ng/Kg	U	B
OCDD	0.827	JB	0.0183	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.196	JBQ	0.0153	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-148-SA5B-SB-4.0-5.0

Collected: 1/25/2011 11:29:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.237	JB	0.0112	MDL	5.72	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-148-SA5B-SB-4.0-5.0

Collected: 1/25/2011 11:29:00

Analysis Type: RES

Dilution: 1

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	0.130	JBQ	0.0168	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0532	JBQ	0.0224	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0210	JBQ	0.00549	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0187	JBQ	0.00744	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0171	JBQ	0.00435	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0187	JBQ	0.00709	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0300	JB	0.00549	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0207	JBQ	0.00675	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0181	JBQ	0.00389	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0232	JBQ	0.00515	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0434	JBQ	0.00446	MDL	5.72	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.00516	JB	0.00515	MDL	1.14	PQL	ng/Kg	U	B
OCDD	1.02	JB	0.0104	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.246	JB	0.0145	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-149-SA5B-SB-3.5-4.5

Collected: 1/25/2011 2:04:00

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	0.165	JB	0.00837	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.104	JBQ	0.0163	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0607	JBQ	0.0196	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0223	JBQ	0.00794	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0328	JB	0.00773	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0297	JBQ	0.00561	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0522	JB	0.00689	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0318	JBQ	0.00572	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0164	JBQ	0.00720	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0213	JBQ	0.00381	MDL	5.30	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0251	JBQ	0.00487	MDL	5.30	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0403	JB	0.00424	MDL	5.30	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0137	JBQ	0.00657	MDL	1.06	PQL	ng/Kg	U	B
OCDD	0.738	JB	0.0135	MDL	10.6	PQL	ng/Kg	U	B
OCDF	0.199	JB	0.0153	MDL	10.6	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	1613B	Matrix:	SO

Sample ID: SL-150-SA5B-SB-4.0-5.0

Collected: 1/25/2011 3:16:00

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	0.319	JB	0.0125	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.171	JBQ	0.0221	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0660	JBQ	0.0272	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0238	JBQ	0.00868	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0484	JB	0.00913	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0355	JBQ	0.00834	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0418	JBQ	0.00654	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0560	JBQ	0.00744	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0547	JB	0.00654	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0385	JBQ	0.00744	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0581	JB	0.00406	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0320	JBQ	0.00575	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0711	JB	0.00462	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.00884	JBQ	0.00643	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0229	JBQ	0.00507	MDL	1.13	PQL	ng/Kg	U	B
OCDD	2.37	JB	0.0108	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.326	JB	0.0207	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-153-SA5B-SB-4.0-5.0

Collected: 1/24/2011 4:08:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.211	JBQ	0.00985	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0853	JB	0.00819	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0478	JB	0.0112	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0125	JBQ	0.00785	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0311	JBQ	0.00741	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0323	JBQ	0.00819	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0352	JBQ	0.00642	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0473	JB	0.00796	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0598	JBQ	0.00730	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0323	JB	0.00686	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0339	JB	0.00398	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0370	JBQ	0.00642	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0487	JBQ	0.00398	MDL	5.53	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-153-SA5B-SB-4.0-5.0

Collected: 1/24/2011 4:08:00

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	0.0168	JBQ	0.00719	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0114	JBQ	0.00564	MDL	1.11	PQL	ng/Kg	U	B
OCDD	0.903	JB	0.0136	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.190	JBQ	0.0102	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-154-SA5B-SB-4.0-5.0

Collected: 1/24/2011 10:49:00

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	0.179	JB	0.0102	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0896	JB	0.0142	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0394	JB	0.0223	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0205	JB	0.00785	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0332	JB	0.00694	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0344	JB	0.00808	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0299	JB	0.00557	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0516	JB	0.00739	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0443	JB	0.00660	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0272	JB	0.00660	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0357	JBQ	0.00421	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0318	JB	0.00614	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0641	JB	0.00478	MDL	5.69	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0160	JB	0.00569	MDL	1.14	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.00963	JBQ	0.00557	MDL	1.14	PQL	ng/Kg	U	B
OCDD	0.632	JB	0.0144	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.146	JB	0.0181	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-155-SA5B-SB-3.5-4.5

Collected: 1/24/2011 9:33:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.154	JB	0.0114	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0951	JBQ	0.0119	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0725	JBQ	0.0177	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0115	JBQ	0.0106	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0275	JB	0.00664	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0419	JBQ	0.0107	MDL	5.63	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-155-SA5B-SB-3.5-4.5

Collected: 1/24/2011 9:33:00

Analysis 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	0.0304	JB	0.00552	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0750	JB	0.0106	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0326	JBQ	0.00687	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0173	JBQ	0.00664	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0298	JBQ	0.00428	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0249	JBQ	0.00563	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0477	JB	0.00462	MDL	5.63	PQL	ng/Kg	U	B
OCDD	0.559	JB	0.0142	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.166	JB	0.0142	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-156-SA5B-SB-4.0-5.0

Collected: 1/25/2011 9:27:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.228	JB	0.0109	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.345	JBQ	0.0214	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0521	JB	0.0237	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0452	JBQ	0.00985	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.115	JB	0.0180	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0628	JBQ	0.00963	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0852	JBQ	0.0118	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0848	JB	0.00929	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0752	JB	0.0112	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0843	JB	0.00781	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.121	JB	0.00521	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.102	JB	0.0102	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.123	JBQ	0.00555	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0276	JB	0.00646	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0278	JB	0.00600	MDL	1.13	PQL	ng/Kg	U	B
OCDD	1.05	JB	0.0142	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.254	JB	0.0137	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-180-SA5B-SB-4.0-5.0

Collected: 1/26/2011 3:18:00

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	0.245	JB	0.0145	MDL	5.73	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA	
Method:	1613B	Matrix: SO

Sample ID: SL-180-SA5B-SB-4.0-5.0

Collected: 1/26/2011 3:18:00

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-HPCDF	0.263	JB	0.0103	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0510	JB	0.0140	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.109	JBQ	0.0188	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0317	JBQ	0.0113	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0411	JBQ	0.0120	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0764	JBQ	0.0105	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0908	JB	0.0131	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0235	JB	0.00997	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0264	JB	0.00653	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0762	JBQ	0.0102	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0595	JBQ	0.00722	MDL	5.73	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.00984	JBQ	0.00974	MDL	1.15	PQL	ng/Kg	U	B
OCDD	1.11	JB	0.0206	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.230	JBQ	0.0184	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-180-SA5B-SB-9.0-10.0

Collected: 1/26/2011 2:59:00

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	0.242	JBQ	0.0155	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.253	JB	0.00872	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0778	JB	0.0138	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0146	JBQ	0.0141	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0617	JBQ	0.0141	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0294	JBQ	0.0144	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0661	JB	0.0111	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0458	JBQ	0.0141	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0494	JBQ	0.0139	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0264	JB	0.0115	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0392	JBQ	0.00711	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0731	JBQ	0.0110	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0695	JB	0.00722	MDL	5.73	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0365	JB	0.00963	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.00946	JBQ	0.00894	MDL	1.15	PQL	ng/Kg	U	B
OCDD	1.10	JB	0.0247	MDL	11.5	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-180-SA5B-SB-9.0-10.0

Collected: 1/26/2011 2:59:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.215	JBQ	0.0186	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-182-SA5B-SB-4.0-5.0

Collected: 1/31/2011 9:37:00

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	0.261	JB	0.0175	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.361	JB	0.0160	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0418	JBQ	0.0147	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0171	JBQ	0.0127	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0955	JB	0.0245	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0324	JBQ	0.0122	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0708	JB	0.0168	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0408	JBQ	0.0113	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0439	JBQ	0.0132	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0198	JB	0.0120	MDL	5.71	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0286	JB	0.00799	MDL	5.71	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.0763	JBQ	0.0110	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0713	JBQ	0.00822	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0125	JB	0.0107	MDL	1.14	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0108	U	0.0108	MDL	1.14	PQL	ng/Kg	UJ	FD
OCDD	1.21	JB	0.0258	MDL	11.4	PQL	ng/Kg	UJ	B, FD
OCDF	0.248	JBQ	0.0211	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-204-SA5B-SB-4.0-5.0

Collected: 1/31/2011 11:23:00

Analysis Type: RES

Dilution: 1

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	1.38	JB	0.0468	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.135	JB	0.0313	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.182	JBQ	0.0478	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.421	JB	0.0514	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.324	JB	0.0423	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.124	JBQ	0.0343	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.321	JB	0.0323	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.172	JB	0.0182	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0997	JB	0.0158	MDL	5.75	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-204-SA5B-SB-4.0-5.0

Collected: 1/31/2011 11:23:00

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	0.103	JB	0.0177	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0904	JB	0.0176	MDL	5.75	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0254	JBQ	0.0119	MDL	1.15	PQL	ng/Kg	U	B
OCDF	2.56	JB	0.0303	MDL	11.5	PQL	ng/Kg	J	Z

Sample ID: SL-262-SA5B-SB-4.0-5.0

Collected: 1/26/2011 11:29:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.366	JB	0.0176	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.264	JB	0.00890	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0452	JBQ	0.0146	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0228	JBQ	0.0124	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0829	JB	0.0140	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0462	JB	0.0128	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0577	JB	0.0103	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0489	JBQ	0.0118	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0532	JB	0.0124	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0494	JBQ	0.0100	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0905	JB	0.00662	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0899	JB	0.0113	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0994	JB	0.00788	MDL	5.71	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0982	JB	0.00936	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0136	JBQ	0.0106	MDL	1.14	PQL	ng/Kg	U	B
OCDD	1.89	JB	0.0191	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.327	JB	0.0189	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-263-SA5B-SB-2.0-3.0

Collected: 1/26/2011 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
1,2,3,4,6,7,8-HPCDD	0.276	JB	0.0156	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.266	JB	0.0107	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0444	JBQ	0.0124	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0316	JB	0.0131	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.100	JBQ	0.0172	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0613	JB	0.0131	MDL	5.51	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA	
Method:	1613B	Matrix: SO

Sample ID: SL-263-SA5B-SB-2.0-3.0

Collected: 1/26/2011 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
1,2,3,6,7,8-HXCDF	0.0675	JB	0.0131	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0917	JB	0.0124	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0751	JBQ	0.0119	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0673	JBQ	0.0120	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.123	JB	0.00738	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0906	JB	0.0106	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.115	JB	0.00749	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0323	JBQ	0.0101	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0311	JBQ	0.00815	MDL	1.10	PQL	ng/Kg	U	B
OCDD	1.78	JB	0.0232	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.195	JB	0.0143	MDL	11.0	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX044

Method Blank Outlier Report

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371247	2/15/2011 12:47:00 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	3.54 pg/L 1.45 pg/L 1.17 pg/L 0.977 pg/L 1.91 pg/L 1.28 pg/L 1.44 pg/L 0.498 pg/L 0.762 pg/L 0.582 pg/L 0.581 pg/L 0.751 pg/L 1.07 pg/L 0.388 pg/L 8.07 pg/L 6.03 pg/L	EB26-SA5B-012611

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
EB26-SA5B-012611(RES)	1,2,3,4,6,7,8-HPCDD	1.75 pg/L	1.75U pg/L
EB26-SA5B-012611(RES)	1,2,3,4,6,7,8-HPCDF	0.352 pg/L	0.352U pg/L
EB26-SA5B-012611(RES)	1,2,3,4,7,8,9-HPCDF	0.172 pg/L	0.172U pg/L
EB26-SA5B-012611(RES)	1,2,3,4,7,8-HxCDF	0.188 pg/L	0.188U pg/L
EB26-SA5B-012611(RES)	1,2,3,6,7,8-HxCDD	0.217 pg/L	0.217U pg/L
EB26-SA5B-012611(RES)	1,2,3,6,7,8-HxCDF	0.146 pg/L	0.146U pg/L
EB26-SA5B-012611(RES)	1,2,3,7,8,9-HxCDF	0.147 pg/L	0.147U pg/L
EB26-SA5B-012611(RES)	1,2,3,7,8-PECDD	0.279 pg/L	0.279U pg/L
EB26-SA5B-012611(RES)	1,2,3,7,8-PECDF	0.243 pg/L	0.243U pg/L
EB26-SA5B-012611(RES)	2,3,4,6,7,8-HxCDF	0.245 pg/L	0.245U pg/L
EB26-SA5B-012611(RES)	2,3,4,7,8-PECDF	0.409 pg/L	0.409U pg/L
EB26-SA5B-012611(RES)	OCDD	4.91 pg/L	4.91U pg/L
EB26-SA5B-012611(RES)	OCDF	0.892 pg/L	0.892U pg/L

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371356	2/16/2011 1:56:00 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	0.217 ng/Kg 0.231 ng/Kg 0.0469 ng/Kg 0.0267 ng/Kg 0.0657 ng/Kg 0.0315 ng/Kg 0.0499 ng/Kg 0.0362 ng/Kg 0.0654 ng/Kg 0.0235 ng/Kg 0.0337 ng/Kg 0.0694 ng/Kg 0.0768 ng/Kg 0.0165 ng/Kg 0.0175 ng/Kg 0.572 ng/Kg 0.291 ng/Kg	DUP21-SA5B-QC-013111 SL-015-SA5B-SB-4.0-5.0 SL-016-SA5B-SB-4.0-5.0 SL-016-SA5B-SB-9.0-10.0 SL-018-SA5B-SB-4.0-5.0 SL-018-SA5B-SB-9.0-10.0 SL-148-SA5B-SB-4.0-5.0 SL-149-SA5B-SB-3.5-4.5 SL-150-SA5B-SB-4.0-5.0 SL-153-SA5B-SB-4.0-5.0 SL-154-SA5B-SB-4.0-5.0 SL-155-SA5B-SB-3.5-4.5 SL-156-SA5B-SB-4.0-5.0 SL-180-SA5B-SB-4.0-5.0 SL-180-SA5B-SB-9.0-10.0 SL-182-SA5B-SB-4.0-5.0 SL-204-SA5B-SB-4.0-5.0 SL-262-SA5B-SB-4.0-5.0 SL-263-SA5B-SB-2.0-3.0

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-SA5B-QC-013111(RES)	1,2,3,4,6,7,8-HPCDD	0.193 ng/Kg	0.193U ng/Kg
DUP21-SA5B-QC-013111(RES)	1,2,3,4,6,7,8-HPCDF	0.276 ng/Kg	0.276U ng/Kg
DUP21-SA5B-QC-013111(RES)	1,2,3,4,7,8,9-HPCDF	0.0544 ng/Kg	0.0544U ng/Kg
DUP21-SA5B-QC-013111(RES)	1,2,3,4,7,8-HxCDD	0.0232 ng/Kg	0.0232U ng/Kg
DUP21-SA5B-QC-013111(RES)	1,2,3,4,7,8-HxCDF	0.0903 ng/Kg	0.0903U ng/Kg
DUP21-SA5B-QC-013111(RES)	1,2,3,6,7,8-HxCDD	0.0389 ng/Kg	0.0389U ng/Kg
DUP21-SA5B-QC-013111(RES)	1,2,3,6,7,8-HxCDF	0.0569 ng/Kg	0.0569U ng/Kg
DUP21-SA5B-QC-013111(RES)	1,2,3,7,8,9-HxCDD	0.0521 ng/Kg	0.0521U ng/Kg
DUP21-SA5B-QC-013111(RES)	1,2,3,7,8,9-HxCDF	0.0468 ng/Kg	0.0468U ng/Kg
DUP21-SA5B-QC-013111(RES)	1,2,3,7,8-PECDD	0.0455 ng/Kg	0.0455U ng/Kg
DUP21-SA5B-QC-013111(RES)	1,2,3,7,8-PECDF	0.0630 ng/Kg	0.0630U ng/Kg
DUP21-SA5B-QC-013111(RES)	2,3,4,6,7,8-HxCDF	0.0871 ng/Kg	0.0871U ng/Kg
DUP21-SA5B-QC-013111(RES)	2,3,4,7,8-PECDF	0.0967 ng/Kg	0.0967U ng/Kg
DUP21-SA5B-QC-013111(RES)	2,3,7,8-TCDD	0.0168 ng/Kg	0.0168U ng/Kg
DUP21-SA5B-QC-013111(RES)	2,3,7,8-TCDF	0.0226 ng/Kg	0.0226U ng/Kg
DUP21-SA5B-QC-013111(RES)	OCDD	0.577 ng/Kg	0.577U ng/Kg
DUP21-SA5B-QC-013111(RES)	OCDF	0.245 ng/Kg	0.245U ng/Kg
SL-015-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.274 ng/Kg	0.274U ng/Kg
SL-015-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.200 ng/Kg	0.200U ng/Kg
SL-015-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.254 ng/Kg	0.254U ng/Kg
SL-015-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.257 ng/Kg	0.257U ng/Kg
SL-015-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0640 ng/Kg	0.0640U ng/Kg
SL-016-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.171 ng/Kg	0.171U ng/Kg
SL-016-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.138 ng/Kg	0.138U ng/Kg
SL-016-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.157 ng/Kg	0.157U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_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-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SL-016-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.109 ng/Kg	0.109U ng/Kg
SL-016-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.115 ng/Kg	0.115U ng/Kg
SL-016-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.192 ng/Kg	0.192U ng/Kg
SL-016-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.161 ng/Kg	0.161U ng/Kg
SL-016-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0576 ng/Kg	0.0576U ng/Kg
SL-016-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0308 ng/Kg	0.0308U ng/Kg
SL-016-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.278 ng/Kg	0.278U ng/Kg
SL-016-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.164 ng/Kg	0.164U ng/Kg
SL-016-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0535 ng/Kg	0.0535U ng/Kg
SL-016-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.176 ng/Kg	0.176U ng/Kg
SL-016-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0371 ng/Kg	0.0371U ng/Kg
SL-016-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0391 ng/Kg	0.0391U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.704 ng/Kg	0.704U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0741 ng/Kg	0.0741U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0364 ng/Kg	0.0364U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.188 ng/Kg	0.188U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.140 ng/Kg	0.140U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.188 ng/Kg	0.188U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0611 ng/Kg	0.0611U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.118 ng/Kg	0.118U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.245 ng/Kg	0.245U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.269 ng/Kg	0.269U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0235 ng/Kg	0.0235U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0654 ng/Kg	0.0654U ng/Kg
SL-018-SA5B-SB-4.0-5.0(RES)	OCDF	1.05 ng/Kg	1.05U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.270 ng/Kg	0.270U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.213 ng/Kg	0.213U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0337 ng/Kg	0.0337U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0411 ng/Kg	0.0411U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0961 ng/Kg	0.0961U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0524 ng/Kg	0.0524U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0231 ng/Kg	0.0231U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0800 ng/Kg	0.0800U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0556 ng/Kg	0.0556U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0103 ng/Kg	0.0103U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0122 ng/Kg	0.0122U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_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-018-SA5B-SB-9.0-10.0(RES)	OCDD	0.827 ng/Kg	0.827U ng/Kg
SL-018-SA5B-SB-9.0-10.0(RES)	OCDF	0.196 ng/Kg	0.196U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.237 ng/Kg	0.237U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.130 ng/Kg	0.130U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0532 ng/Kg	0.0532U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0210 ng/Kg	0.0210U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0187 ng/Kg	0.0187U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0171 ng/Kg	0.0171U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0187 ng/Kg	0.0187U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0300 ng/Kg	0.0300U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0207 ng/Kg	0.0207U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0181 ng/Kg	0.0181U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0232 ng/Kg	0.0232U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0434 ng/Kg	0.0434U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.00516 ng/Kg	0.00516U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	OCDD	1.02 ng/Kg	1.02U ng/Kg
SL-148-SA5B-SB-4.0-5.0(RES)	OCDF	0.246 ng/Kg	0.246U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDD	0.165 ng/Kg	0.165U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDF	0.104 ng/Kg	0.104U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0607 ng/Kg	0.0607U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8-HXCDF	0.0223 ng/Kg	0.0223U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDD	0.0328 ng/Kg	0.0328U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.0297 ng/Kg	0.0297U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDD	0.0522 ng/Kg	0.0522U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDF	0.0318 ng/Kg	0.0318U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDD	0.0164 ng/Kg	0.0164U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.0213 ng/Kg	0.0213U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	2,3,4,6,7,8-HXCDF	0.0251 ng/Kg	0.0251U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.0403 ng/Kg	0.0403U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	2,3,7,8-TCDD	0.0137 ng/Kg	0.0137U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	OCDD	0.738 ng/Kg	0.738U ng/Kg
SL-149-SA5B-SB-3.5-4.5(RES)	OCDF	0.199 ng/Kg	0.199U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.319 ng/Kg	0.319U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.171 ng/Kg	0.171U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0660 ng/Kg	0.0660U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0238 ng/Kg	0.0238U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0484 ng/Kg	0.0484U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_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-150-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0355 ng/Kg	0.0355U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0418 ng/Kg	0.0418U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0560 ng/Kg	0.0560U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0547 ng/Kg	0.0547U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0385 ng/Kg	0.0385U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0581 ng/Kg	0.0581U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0320 ng/Kg	0.0320U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0711 ng/Kg	0.0711U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.00884 ng/Kg	0.00884U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0229 ng/Kg	0.0229U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	OCDD	2.37 ng/Kg	2.37U ng/Kg
SL-150-SA5B-SB-4.0-5.0(RES)	OCDF	0.326 ng/Kg	0.326U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.211 ng/Kg	0.211U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0853 ng/Kg	0.0853U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0478 ng/Kg	0.0478U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0125 ng/Kg	0.0125U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0311 ng/Kg	0.0311U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0323 ng/Kg	0.0323U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0352 ng/Kg	0.0352U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0473 ng/Kg	0.0473U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0598 ng/Kg	0.0598U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0323 ng/Kg	0.0323U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0339 ng/Kg	0.0339U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0370 ng/Kg	0.0370U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0487 ng/Kg	0.0487U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0168 ng/Kg	0.0168U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0114 ng/Kg	0.0114U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	OCDD	0.903 ng/Kg	0.903U ng/Kg
SL-153-SA5B-SB-4.0-5.0(RES)	OCDF	0.190 ng/Kg	0.190U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.179 ng/Kg	0.179U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0896 ng/Kg	0.0896U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0394 ng/Kg	0.0394U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0205 ng/Kg	0.0205U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0332 ng/Kg	0.0332U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0344 ng/Kg	0.0344U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0299 ng/Kg	0.0299U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0516 ng/Kg	0.0516U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_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-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0443 ng/Kg	0.0443U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0272 ng/Kg	0.0272U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0357 ng/Kg	0.0357U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0318 ng/Kg	0.0318U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0641 ng/Kg	0.0641U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0160 ng/Kg	0.0160U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.00963 ng/Kg	0.00963U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	OCDD	0.632 ng/Kg	0.632U ng/Kg
SL-154-SA5B-SB-4.0-5.0(RES)	OCDF	0.146 ng/Kg	0.146U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDD	0.154 ng/Kg	0.154U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0951 ng/Kg	0.0951U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0725 ng/Kg	0.0725U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8-HxCDD	0.0115 ng/Kg	0.0115U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8-HXCDF	0.0275 ng/Kg	0.0275U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	1,2,3,6,7,8-HxCDD	0.0419 ng/Kg	0.0419U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.0304 ng/Kg	0.0304U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8,9-HxCDD	0.0750 ng/Kg	0.0750U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDF	0.0326 ng/Kg	0.0326U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDD	0.0173 ng/Kg	0.0173U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	2,3,4,6,7,8-HXCDF	0.0249 ng/Kg	0.0249U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.0477 ng/Kg	0.0477U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	OCDD	0.559 ng/Kg	0.559U ng/Kg
SL-155-SA5B-SB-3.5-4.5(RES)	OCDF	0.166 ng/Kg	0.166U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.228 ng/Kg	0.228U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.345 ng/Kg	0.345U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0521 ng/Kg	0.0521U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0452 ng/Kg	0.0452U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.115 ng/Kg	0.115U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0628 ng/Kg	0.0628U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0852 ng/Kg	0.0852U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0848 ng/Kg	0.0848U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0752 ng/Kg	0.0752U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0843 ng/Kg	0.0843U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.121 ng/Kg	0.121U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.102 ng/Kg	0.102U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.123 ng/Kg	0.123U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_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-156-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0276 ng/Kg	0.0276U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0278 ng/Kg	0.0278U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	OCDD	1.05 ng/Kg	1.05U ng/Kg
SL-156-SA5B-SB-4.0-5.0(RES)	OCDF	0.254 ng/Kg	0.254U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.245 ng/Kg	0.245U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.263 ng/Kg	0.263U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0510 ng/Kg	0.0510U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.109 ng/Kg	0.109U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0317 ng/Kg	0.0317U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0411 ng/Kg	0.0411U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0764 ng/Kg	0.0764U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0908 ng/Kg	0.0908U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0235 ng/Kg	0.0235U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0264 ng/Kg	0.0264U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0762 ng/Kg	0.0762U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0595 ng/Kg	0.0595U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.00984 ng/Kg	0.00984U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	OCDD	1.11 ng/Kg	1.11U ng/Kg
SL-180-SA5B-SB-4.0-5.0(RES)	OCDF	0.230 ng/Kg	0.230U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.242 ng/Kg	0.242U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.253 ng/Kg	0.253U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0778 ng/Kg	0.0778U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0146 ng/Kg	0.0146U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0617 ng/Kg	0.0617U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0294 ng/Kg	0.0294U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0661 ng/Kg	0.0661U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0458 ng/Kg	0.0458U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0494 ng/Kg	0.0494U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0264 ng/Kg	0.0264U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0392 ng/Kg	0.0392U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0731 ng/Kg	0.0731U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0695 ng/Kg	0.0695U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0365 ng/Kg	0.0365U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.00946 ng/Kg	0.00946U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	OCDD	1.10 ng/Kg	1.10U ng/Kg
SL-180-SA5B-SB-9.0-10.0(RES)	OCDF	0.215 ng/Kg	0.215U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.261 ng/Kg	0.261U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_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-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.361 ng/Kg	0.361U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0418 ng/Kg	0.0418U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0171 ng/Kg	0.0171U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0955 ng/Kg	0.0955U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0324 ng/Kg	0.0324U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0708 ng/Kg	0.0708U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0408 ng/Kg	0.0408U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0439 ng/Kg	0.0439U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0198 ng/Kg	0.0198U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0286 ng/Kg	0.0286U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0763 ng/Kg	0.0763U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0713 ng/Kg	0.0713U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0125 ng/Kg	0.0125U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	OCDD	1.21 ng/Kg	1.21U ng/Kg
SL-182-SA5B-SB-4.0-5.0(RES)	OCDF	0.248 ng/Kg	0.248U ng/Kg
SL-204-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.135 ng/Kg	0.135U ng/Kg
SL-204-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.124 ng/Kg	0.124U ng/Kg
SL-204-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.172 ng/Kg	0.172U ng/Kg
SL-204-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0997 ng/Kg	0.0997U ng/Kg
SL-204-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.103 ng/Kg	0.103U ng/Kg
SL-204-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0904 ng/Kg	0.0904U ng/Kg
SL-204-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0254 ng/Kg	0.0254U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.366 ng/Kg	0.366U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.264 ng/Kg	0.264U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0452 ng/Kg	0.0452U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0228 ng/Kg	0.0228U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0829 ng/Kg	0.0829U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0462 ng/Kg	0.0462U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0577 ng/Kg	0.0577U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0489 ng/Kg	0.0489U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0532 ng/Kg	0.0532U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0494 ng/Kg	0.0494U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0905 ng/Kg	0.0905U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0899 ng/Kg	0.0899U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0994 ng/Kg	0.0994U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0136 ng/Kg	0.0136U ng/Kg
SL-262-SA5B-SB-4.0-5.0(RES)	OCDD	1.89 ng/Kg	1.89U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_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-262-SA5B-SB-4.0-5.0(RES)	OCDF	0.327 ng/Kg	0.327U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCCD	0.276 ng/Kg	0.276U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.266 ng/Kg	0.266U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0444 ng/Kg	0.0444U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDD	0.0316 ng/Kg	0.0316U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.100 ng/Kg	0.100U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDD	0.0613 ng/Kg	0.0613U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.0675 ng/Kg	0.0675U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HxCDD	0.0917 ng/Kg	0.0917U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0751 ng/Kg	0.0751U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0673 ng/Kg	0.0673U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.123 ng/Kg	0.123U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0906 ng/Kg	0.0906U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.115 ng/Kg	0.115U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	2,3,7,8-TCDD	0.0323 ng/Kg	0.0323U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	2,3,7,8-TCDF	0.0311 ng/Kg	0.0311U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	OCDD	1.78 ng/Kg	1.78U ng/Kg
SL-263-SA5B-SB-2.0-3.0(RES)	OCDF	0.195 ng/Kg	0.195U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Field Duplicate RPD Report

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-182-SA5B-SB-4.0- 5.0	DUP21-SA5B-QC- 013111			
MOISTURE	12.4	12.3	1		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-182-SA5B-SB-4.0- 5.0	DUP21-SA5B-QC- 013111			
1,2,3,4,6,7,8-HPCDD	0.261	0.193	30	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.361	0.276	27	50.00	
1,2,3,4,7,8,9-HPCDF	0.0418	0.0544	26	50.00	
1,2,3,4,7,8-HxCDD	0.0171	0.0232	30	50.00	
1,2,3,4,7,8-HxCDF	0.0955	0.0903	6	50.00	
1,2,3,6,7,8-HxCDD	0.0324	0.0389	18	50.00	
1,2,3,6,7,8-HxCDF	0.0708	0.0569	22	50.00	
1,2,3,7,8,9-HxCDD	0.0408	0.0521	24	50.00	
1,2,3,7,8,9-HxCDF	0.0439	0.0468	6	50.00	
2,3,4,6,7,8-HxCDF	0.0763	0.0871	13	50.00	
2,3,4,7,8-PECDF	0.0713	0.0967	30	50.00	
2,3,7,8-TCDD	0.0125	0.0168	29	50.00	
OCDF	0.248	0.245	1	50.00	
1,2,3,7,8-PECDD	0.0198	0.0455	79	50.00	J(all detects) UJ(all non-detects)
1,2,3,7,8-PECDF	0.0286	0.0630	75	50.00	
2,3,7,8-TCDF	1.14 U	0.0226	200	50.00	
OCDD	1.21	0.577	71	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB26-SA5B-012611	1,2,3,4,6,7,8-HPCDD	JBQ	1.75	10.1	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.352	10.1	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.172	10.1	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.188	10.1	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.217	10.1	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.146	10.1	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.147	10.1	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.279	10.1	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.243	10.1	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.245	10.1	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.409	10.1	PQL	pg/L	
	OCDD	JBQ	4.91	20.2	PQL	pg/L	
	OCDF	JB	0.892	20.2	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP21-SA5B-QC-013111	1,2,3,4,6,7,8-HPCDD	JBQ	0.193	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.276	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0544	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0232	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0903	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0389	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0569	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0521	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0468	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0455	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0630	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0871	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0967	5.70	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0168	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0226	1.14	PQL	ng/Kg	
	OCDD	JB	0.577	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.245	11.4	PQL	ng/Kg	
SL-015-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.69	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.241	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.260	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.274	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.882	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.318	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.832	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.200	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.274	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.252	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.254	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.257	5.81	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0640	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0888	1.16	PQL	ng/Kg	
	OCDF	JB	6.46	11.6	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-016-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.42	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.171	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.137	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.138	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.540	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.157	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.506	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.176	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.109	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.115	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.192	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.161	5.71	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0576	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0308	1.14	PQL	ng/Kg	
	OCDF	JB	3.23	11.4	PQL	ng/Kg	
SL-016-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	5.11	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.365	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.590	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.278	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.37	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.388	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.50	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.164	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.367	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0535	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.495	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.176	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0371	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0391	1.10	PQL	ng/Kg	
	OCDF	JB	10.6	11.0	PQL	ng/Kg	
SL-018-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.45	5.80	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.704	5.80	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0741	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0364	5.80	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.188	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.221	5.80	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.140	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.342	5.80	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.188	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0611	5.80	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.118	5.80	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.245	5.80	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.269	5.80	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0235	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0654	1.16	PQL	ng/Kg	
	OCDF	JB	1.05	11.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-018-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.270	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.213	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0337	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0411	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.610	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.261	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.34	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0961	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0524	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0231	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0800	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0556	5.61	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0103	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0122	1.12	PQL	ng/Kg	
	OCDD	JB	0.827	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.196	11.2	PQL	ng/Kg	
SL-148-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.237	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.130	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0532	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0210	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0187	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0171	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0187	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0300	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0207	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0181	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0232	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0434	5.72	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.00516	1.14	PQL	ng/Kg	
	OCDD	JB	1.02	11.4	PQL	ng/Kg	
	OCDF	JB	0.246	11.4	PQL	ng/Kg	
SL-149-SA5B-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JB	0.165	5.30	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.104	5.30	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0607	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0223	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0328	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0297	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0522	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0318	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0164	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0213	5.30	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0251	5.30	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0403	5.30	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0137	1.06	PQL	ng/Kg	
	OCDD	JB	0.738	10.6	PQL	ng/Kg	
	OCDF	JB	0.199	10.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-150-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.319	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.171	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0660	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0238	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0484	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0355	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0418	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0560	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0547	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0385	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0581	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0320	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0711	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.00884	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0229	1.13	PQL	ng/Kg	
	OCDD	JB	2.37	11.3	PQL	ng/Kg	
	OCDF	JB	0.326	11.3	PQL	ng/Kg	
SL-153-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.211	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0853	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0478	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0125	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0311	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0323	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0352	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0473	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0598	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0323	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0339	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0370	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0487	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0168	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0114	1.11	PQL	ng/Kg	
	OCDD	JB	0.903	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.190	11.1	PQL	ng/Kg	
SL-154-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.179	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0896	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0394	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0205	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0332	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0344	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0299	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0516	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0443	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0272	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0357	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0318	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0641	5.69	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0160	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.00963	1.14	PQL	ng/Kg	
	OCDD	JB	0.632	11.4	PQL	ng/Kg	
	OCDF	JB	0.146	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-155-SA5B-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JB	0.154	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0951	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0725	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0115	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0275	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0419	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0304	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0750	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0326	5.63	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JBQ	0.0173	5.63	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JBQ	0.0298	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0249	5.63	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JB	0.0477	5.63	PQL	ng/Kg	
	OCDD	JB	0.559	11.3	PQL	ng/Kg	
	OCDF	JB	0.166	11.3	PQL	ng/Kg	
SL-156-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.228	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.345	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0521	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0452	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.115	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0628	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0852	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0848	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0752	5.66	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.0843	5.66	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.121	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.102	5.66	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.123	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0276	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0278	1.13	PQL	ng/Kg	
	OCDD	JB	1.05	11.3	PQL	ng/Kg	
	OCDF	JB	0.254	11.3	PQL	ng/Kg	
SL-180-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.245	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.263	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0510	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.109	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0317	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0411	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0764	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0908	5.73	PQL	ng/Kg	
	1,2,3,7,8-PCDD	JB	0.0235	5.73	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JB	0.0264	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0762	5.73	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.0595	5.73	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.00984	1.15	PQL	ng/Kg	
	OCDD	JB	1.11	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.230	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-180-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.242	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.253	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0778	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0146	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0617	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0294	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0661	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0458	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0494	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0264	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0392	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0731	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0695	5.73	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0365	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.00946	1.15	PQL	ng/Kg	
	OCDD	JB	1.10	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.215	11.5	PQL	ng/Kg	
SL-182-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.261	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.361	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0418	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0171	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0955	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0324	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0708	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0408	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0439	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0198	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0286	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0763	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0713	5.71	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0125	1.14	PQL	ng/Kg	
	OCDD	JB	1.21	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.248	11.4	PQL	ng/Kg	
SL-204-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.38	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.135	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.182	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.421	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.324	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.124	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.321	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.172	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0997	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.103	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0904	5.75	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0254	1.15	PQL	ng/Kg	
	OCDF	JB	2.56	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX044

Laboratory: LL

EDD Filename: DX044_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-262-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.366	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.264	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0452	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0228	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0829	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0462	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0577	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0489	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0532	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0494	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0905	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0899	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0994	5.71	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0982	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0136	1.14	PQL	ng/Kg	
	OCDD	JB	1.89	11.4	PQL	ng/Kg	
	OCDF	JB	0.327	11.4	PQL	ng/Kg	
SL-263-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.276	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.266	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0444	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0316	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.100	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0613	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0675	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0917	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0751	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0673	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.123	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0906	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.115	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0323	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0311	1.10	PQL	ng/Kg	
	OCDD	JB	1.78	11.0	PQL	ng/Kg	
	OCDF	JB	0.195	11.0	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX045

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-Jan-2011	EB27-SA5B-012711	6193685	EB	METHOD	1613B	IV
27-Jan-2011	SL-017-SA5B-SB-4.0-5.0	6193675	N	METHOD	1613B	IV
27-Jan-2011	SL-017-SA5B-SB-9.0-10.0	6193676	N	METHOD	1613B	IV
27-Jan-2011	SL-181-SA5B-SB-4.0-5.0	6193679	N	METHOD	1613B	IV
27-Jan-2011	SL-021-SA5B-SB-4.0-5.0	6193677	N	METHOD	1613B	IV
27-Jan-2011	SL-021-SA5B-SB-9.0-10.0	6193678	N	METHOD	1613B	IV
27-Jan-2011	SL-203-SA5B-SB-7.5-8.5	6193684	N	METHOD	1613B	IV
27-Jan-2011	SL-203-SA5B-SB-4.0-5.0	6193683	N	METHOD	1613B	IV
27-Jan-2011	SL-186-SA5B-SB-4.0-5.0	6193681	N	METHOD	1613B	IV
27-Jan-2011	SL-185-SA5B-SB-4.0-5.0	6193680	N	METHOD	1613B	IV
27-Jan-2011	SL-192-SA5B-SB-4.0-5.0	6193682	N	METHOD	1613B	IV
28-Jan-2011	SL-183-SA5B-SB-4.0-5.0	6194587	N	METHOD	1613B	IV
28-Jan-2011	SL-196-SA5B-SB-4.0-5.0	6194591	N	METHOD	1613B	IV
28-Jan-2011	SL-184-SA5B-SB-3.0-4.0	6194588	N	METHOD	1613B	IV
28-Jan-2011	SL-193-SA5B-SB-4.0-5.0	6194589	N	METHOD	1613B	IV
28-Jan-2011	SL-194-SA5B-SB-4.0-5.0	6194590	N	METHOD	1613B	IV
28-Jan-2011	SL-178-SA5B-SB-4.0-5.0	6194584	N	METHOD	1613B	IV
28-Jan-2011	SL-179-SA5B-SB-7.0-8.0	6194586	N	METHOD	1613B	IV
28-Jan-2011	SL-179-SA5B-SB-4.0-5.0	6194585	N	METHOD	1613B	IV
28-Jan-2011	SL-201-SA5B-SB-4.0-5.0	6194592	N	METHOD	1613B	IV
28-Jan-2011	SL-201-SA5B-SB-9.0-10.0	6194593	N	METHOD	1613B	IV

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB27-SA5B-012711

Collected: 1/27/2011 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-HPCDD	1.40	JBQ	0.962	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.656	JBQ	0.379	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.501	JBQ	0.447	MDL	10.7	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.742	JBQ	0.497	MDL	10.7	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.409	JBQ	0.356	MDL	10.7	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.806	JBQ	0.408	MDL	10.7	PQL	pg/L	U	B
OCDD	7.15	JB	0.737	MDL	21.3	PQL	pg/L	U	B
OCDF	1.83	JBQ	1.39	MDL	21.3	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-017-SA5B-SB-4.0-5.0

Collected: 1/27/2011 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
1,2,3,4,6,7,8-HPCDF	0.757	JBQ	0.0197	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.109	JB	0.0197	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0755	J	0.0399	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0638	JBQ	0.0253	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.327	JQ	0.0416	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0761	JB	0.0173	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.212	J	0.0382	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0627	JBQ	0.0145	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0803	JBQ	0.0249	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0701	JB	0.0110	MDL	5.77	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0660	JB	0.0146	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0854	JBQ	0.00946	MDL	5.77	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0365	JQ	0.0304	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0261	JQ	0.0208	MDL	1.15	PQL	ng/Kg	J	Z
OCDF	2.24	JB	0.0235	MDL	11.5	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/12/2011 11:01:17 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-017-SA5B-SB-9.0-10.0

Collected: 1/27/2011 9:21:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.42	JB	0.0328	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.623	JBQ	0.0126	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0689	JBQ	0.0141	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0355	JQ	0.0294	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.163	JB	0.0236	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.324	JQ	0.0305	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0914	JB	0.0172	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.337	JQ	0.0284	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0751	JBQ	0.0185	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0482	JBQ	0.0200	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0287	JB	0.0129	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0491	JBQ	0.0174	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0745	JB	0.0116	MDL	5.54	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0312	JQ	0.0210	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	1.64	JB	0.0237	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-021-SA5B-SB-4.0-5.0

Collected: 1/27/2011 10:33:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2540	EB	0.408	MDL	5.59	PQL	ng/Kg	J	*XI
1,2,3,6,7,8-HxCDF	3.36	JB	0.0805	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	2.96	JB	0.0652	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.13	JB	0.0211	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	3.53	JB	0.0585	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.65	JB	0.0194	MDL	5.59	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.966	J	0.0313	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.465	J	0.0227	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	72500	EB	0.531	MDL	11.2	PQL	ng/Kg	J	*XI

Sample ID: SL-021-SA5B-SB-9.0-10.0

Collected: 1/27/2011 10:42:00

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-HPCDF	3.54	JB	0.0351	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.256	JB	0.0320	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.454	J	0.0710	MDL	5.60	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/12/2011 11:01:17 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-021-SA5B-SB-9.0-10.0

Collected: 1/27/2011 10:42:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.185	JB	0.0569	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.21	J	0.0732	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.350	JB	0.0417	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.32	J	0.0676	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.171	JB	0.0363	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.301	JBQ	0.0434	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0767	JBQ	0.0208	MDL	5.60	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.369	JB	0.0335	MDL	5.60	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.122	JBQ	0.0176	MDL	5.60	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0538	JQ	0.0432	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0454	JQ	0.0414	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	7.78	JB	0.0471	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-178-SA5B-SB-4.0-5.0

Collected: 1/28/2011 1:04:00

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	0.232	JB	0.0232	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0441	JB	0.0194	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0175	JQ	0.0171	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0392	JBQ	0.0145	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0192	JQ	0.0158	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0176	JBQ	0.00881	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0253	JBQ	0.00881	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0256	JBQ	0.00765	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0164	JBQ	0.00637	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0449	JBQ	0.00742	MDL	5.79	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0159	JQ	0.0143	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	1.23	JB	0.0197	MDL	11.6	PQL	ng/Kg	U	B
OCDF	0.147	JBQ	0.0268	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-179-SA5B-SB-4.0-5.0

Collected: 1/28/2011 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
1,2,3,4,6,7,8-HPCDD	2.10	JB	0.0352	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.297	JBQ	0.0199	MDL	5.81	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/12/2011 11:01:17 AM

ADR version 1.4.0.111

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-179-SA5B-SB-4.0-5.0

Collected: 1/28/2011 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
1,2,3,4,7,8,9-HPCDF	0.0536	JB	0.0194	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.252	JB	0.0362	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.238	J	0.0313	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0654	JB	0.0251	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.355	J	0.0276	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.287	JB	0.0220	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0815	JBQ	0.0215	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0933	JBQ	0.0124	MDL	5.81	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0494	JBQ	0.0169	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0981	JBQ	0.0103	MDL	5.81	PQL	ng/Kg	U	B
OCDF	0.628	JBQ	0.0328	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-179-SA5B-SB-7.0-8.0

Collected: 1/28/2011 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	0.161	JBQ	0.0178	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0426	JBQ	0.0127	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0186	JBQ	0.0156	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0258	JQ	0.0133	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0212	JBQ	0.00825	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0176	JBQ	0.00779	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0127	JB	0.00722	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0404	JB	0.00767	MDL	5.73	PQL	ng/Kg	U	B
OCDD	0.600	JB	0.0198	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.0875	JBQ	0.0236	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-181-SA5B-SB-4.0-5.0

Collected: 1/27/2011 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	0.223	JB	0.0231	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0579	JB	0.0141	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0292	JBQ	0.0136	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0588	JQ	0.0203	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0171	JBQ	0.0157	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0833	JQ	0.0160	MDL	5.73	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-181-SA5B-SB-4.0-5.0

Collected: 1/27/2011 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
1,2,3,7,8,9-HXCDF	0.103	JB	0.0112	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0315	JBQ	0.0181	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0261	JBQ	0.00836	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0180	JB	0.00951	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0479	JBQ	0.00790	MDL	5.73	PQL	ng/Kg	U	B
OCDD	1.04	JB	0.0300	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.150	JBQ	0.0291	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-183-SA5B-SB-4.0-5.0

Collected: 1/28/2011 9:19:00

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	0.485	JB	0.0238	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.104	JB	0.00820	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0336	JBQ	0.0100	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0396	JBQ	0.0178	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.361	JQ	0.0232	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0416	JB	0.0118	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.556	J	0.0196	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.392	JB	0.0107	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0667	JBQ	0.0179	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0661	JB	0.00752	MDL	5.69	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0443	JB	0.00991	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0600	JBQ	0.00774	MDL	5.69	PQL	ng/Kg	U	B
OCDD	4.95	JB	0.0167	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.208	JBQ	0.0239	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-184-SA5B-SB-3.0-4.0

Collected: 1/28/2011 10:29:00

Analysis Type: RES

Dilution: 1

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	1.95	JB	0.0198	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.172	JBQ	0.0212	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.252	JQ	0.0502	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.519	JB	0.0541	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.836	J	0.0464	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.121	JBQ	0.0354	MDL	5.83	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-184-SA5B-SB-3.0-4.0

Collected: 1/28/2011 10:29:00

Analysis 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	0.653	J	0.0389	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.202	JB	0.0238	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.158	JBQ	0.0376	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0977	JBQ	0.0169	MDL	5.83	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.173	JB	0.0243	MDL	5.83	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.107	JQ	0.0385	MDL	1.17	PQL	ng/Kg	J	Z
OCDF	5.27	JB	0.0275	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-185-SA5B-SB-4.0-5.0

Collected: 1/27/2011 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	4.26	JB	0.0273	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.511	JB	0.0148	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0832	JB	0.0200	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0622	JQ	0.0305	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.221	JB	0.0246	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.360	J	0.0311	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0687	JB	0.0188	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.327	J	0.0296	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.198	JB	0.0209	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0637	JB	0.0196	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0749	JBQ	0.0134	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0803	JB	0.0180	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.160	JB	0.0122	MDL	5.72	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0925	J	0.0265	MDL	1.14	PQL	ng/Kg	J	Z
OCDF	1.28	JB	0.0239	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-186-SA5B-SB-4.0-5.0

Collected: 1/27/2011 2:37:00

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	0.345	JB	0.0515	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0555	JBQ	0.0467	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0855	JBQ	0.0561	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0636	JBQ	0.0427	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0642	JBQ	0.0264	MDL	5.57	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-186-SA5B-SB-4.0-5.0

Collected: 1/27/2011 2:37:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.0307	JBQ	0.0292	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0193	JBQ	0.0143	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0638	JBQ	0.0124	MDL	5.57	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0361	JQ	0.0308	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	1.39	JB	0.0447	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.159	JBQ	0.0561	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-192-SA5B-SB-4.0-5.0

Collected: 1/27/2011 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	0.224	JB	0.0361	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0650	JBQ	0.0253	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0354	JBQ	0.0219	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0505	J	0.0254	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0368	JBQ	0.0149	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0930	JQ	0.0258	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0379	JBQ	0.0158	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0285	JBQ	0.0257	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0505	JBQ	0.0118	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0208	JBQ	0.0139	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0578	JB	0.0111	MDL	5.61	PQL	ng/Kg	U	B
OCDD	0.857	JBQ	0.0350	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.169	JBQ	0.0505	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-193-SA5B-SB-4.0-5.0

Collected: 1/28/2011 10:34:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.191	JBQ	0.0179	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0282	JBQ	0.00673	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0199	JB	0.00980	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0533	JQ	0.0157	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0196	JBQ	0.00638	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0808	J	0.0148	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0405	JBQ	0.00732	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0204	JBQ	0.0152	MDL	5.90	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-193-SA5B-SB-4.0-5.0

Collected: 1/28/2011 10:34:00

Analysis 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	0.0200	JBQ	0.00673	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0152	JB	0.00685	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0407	JBQ	0.00614	MDL	5.90	PQL	ng/Kg	U	B
OCDD	0.920	JB	0.0151	MDL	11.8	PQL	ng/Kg	U	B
OCDF	0.101	JBQ	0.0216	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-194-SA5B-SB-4.0-5.0

Collected: 1/28/2011 12:03:00

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	0.177	JB	0.0265	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0405	JB	0.0132	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0183	JB	0.0173	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0574	JBQ	0.0212	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0320	JQ	0.0279	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0285	JB	0.0147	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0513	J	0.0248	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0461	JBQ	0.0164	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0357	JBQ	0.0147	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0351	JBQ	0.0138	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0297	JB	0.0128	MDL	5.73	PQL	ng/Kg	U	B
OCDD	0.924	JB	0.0405	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.0780	JBQ	0.0409	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-196-SA5B-SB-4.0-5.0

Collected: 1/28/2011 9:24:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.748	JB	0.227	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.205	JB	0.0878	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.386	JBQ	0.130	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.225	JBQ	0.123	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.221	JBQ	0.181	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.126	JBQ	0.106	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.278	JBQ	0.168	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.560	JBQ	0.133	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.266	JBQ	0.214	MDL	5.71	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-196-SA5B-SB-4.0-5.0

Collected: 1/28/2011 9:24:00

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	0.265	JBQ	0.112	MDL	5.71	PQL	ng/Kg	U	B
OCDD	2.96	JBQ	0.224	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-201-SA5B-SB-4.0-5.0

Collected: 1/28/2011 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
1,2,3,4,6,7,8-HPCDD	0.352	JBQ	0.126	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.112	JBQ	0.0548	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.158	JBQ	0.0844	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.144	JBQ	0.108	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.131	JBQ	0.0794	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0817	JB	0.0676	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.279	JBQ	0.111	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.187	JB	0.0919	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.179	JBQ	0.136	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.209	JB	0.0773	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.193	JB	0.0677	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.121	JBQ	0.0756	MDL	5.77	PQL	ng/Kg	U	B
OCDD	2.42	JBQ	0.161	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.195	JBQ	0.140	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-201-SA5B-SB-9.0-10.0

Collected: 1/28/2011 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	0.466	JB	0.0274	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0834	JBQ	0.0173	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0350	JBQ	0.0157	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0409	J	0.0188	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.0454	JQ	0.0162	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0531	JBQ	0.0119	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0147	JBQ	0.0101	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0214	JB	0.00910	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0495	JBQ	0.0103	MDL	5.62	PQL	ng/Kg	U	B
OCDD	2.89	JB	0.0196	MDL	11.2	PQL	ng/Kg	J	Z
OCDF	0.206	JB	0.0345	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-203-SA5B-SB-4.0-5.0

Collected: 1/27/2011 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
1,2,3,4,6,7,8-HPCDD	4.23	JB	0.0298	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.616	JB	0.0319	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.119	JBQ	0.0197	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0922	JQ	0.0513	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	1.16	JB	0.0834	MDL	5.81	PQL	ng/Kg	J	Z, I
1,2,3,6,7,8-HxCDD	0.468	JQ	0.0442	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.126	JBQ	0.0531	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.619	J	0.0310	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.480	JB	0.0234	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.150	JBQ	0.0323	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.189	JB	0.0186	MDL	5.81	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.148	JBQ	0.0235	MDL	5.81	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.263	JB	0.0209	MDL	5.81	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0359	J	0.0265	MDL	1.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.120	JQ	0.0419	MDL	1.16	PQL	ng/Kg	J	Z
OCDF	1.49	JB	0.0374	MDL	11.6	PQL	ng/Kg	J	Z

Sample ID: SL-203-SA5B-SB-7.5-8.5

Collected: 1/27/2011 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
1,2,3,4,6,7,8-HPCDD	0.158	JB	0.0203	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0371	JBQ	0.0228	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0570	JBQ	0.0195	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0192	JQ	0.0140	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0295	JBQ	0.00817	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0385	JBQ	0.0175	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0107	JBQ	0.00715	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0146	JBQ	0.00738	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0515	JBQ	0.00760	MDL	5.68	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0276	JQ	0.0182	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	0.444	JB	0.0218	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.126	JBQ	0.0326	MDL	11.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

EDD Filename: DX045_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_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 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
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX045

Method Blank Outlier Report

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371247	2/15/2011 12:47:00 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	3.54 pg/L 1.45 pg/L 1.17 pg/L 0.977 pg/L 1.91 pg/L 1.28 pg/L 1.44 pg/L 0.498 pg/L 0.762 pg/L 0.582 pg/L 0.581 pg/L 0.751 pg/L 1.07 pg/L 0.388 pg/L 8.07 pg/L 6.03 pg/L	EB27-SA5B-012711

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
EB27-SA5B-012711(RES)	1,2,3,4,6,7,8-HPCDD	1.40 pg/L	1.40U pg/L
EB27-SA5B-012711(RES)	1,2,3,4,6,7,8-HPCDF	0.656 pg/L	0.656U pg/L
EB27-SA5B-012711(RES)	1,2,3,4,7,8-HxCDF	0.501 pg/L	0.501U pg/L
EB27-SA5B-012711(RES)	1,2,3,7,8-PECDF	0.742 pg/L	0.742U pg/L
EB27-SA5B-012711(RES)	2,3,4,6,7,8-HxCDF	0.409 pg/L	0.409U pg/L
EB27-SA5B-012711(RES)	2,3,4,7,8-PECDF	0.806 pg/L	0.806U pg/L
EB27-SA5B-012711(RES)	OCDD	7.15 pg/L	7.15U pg/L
EB27-SA5B-012711(RES)	OCDF	1.83 pg/L	1.83U pg/L

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0460B371527	2/21/2011 3:27:00 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-HxCDF 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	0.157 ng/Kg 0.0681 ng/Kg 0.0345 ng/Kg 0.0660 ng/Kg 0.0243 ng/Kg 0.0336 ng/Kg 0.0370 ng/Kg 0.0123 ng/Kg 0.0212 ng/Kg 0.0418 ng/Kg 0.311 ng/Kg 0.158 ng/Kg	SL-017-SA5B-SB-4.0-5.0 SL-017-SA5B-SB-9.0-10.0 SL-021-SA5B-SB-4.0-5.0 SL-021-SA5B-SB-9.0-10.0 SL-178-SA5B-SB-4.0-5.0 SL-179-SA5B-SB-4.0-5.0 SL-179-SA5B-SB-7.0-8.0 SL-181-SA5B-SB-4.0-5.0 SL-183-SA5B-SB-4.0-5.0 SL-184-SA5B-SB-3.0-4.0 SL-185-SA5B-SB-4.0-5.0 SL-186-SA5B-SB-4.0-5.0 SL-192-SA5B-SB-4.0-5.0 SL-193-SA5B-SB-4.0-5.0 SL-194-SA5B-SB-4.0-5.0 SL-201-SA5B-SB-9.0-10.0 SL-203-SA5B-SB-4.0-5.0 SL-203-SA5B-SB-7.5-8.5

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0560B372328	3/2/2011 11:28:00 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	1.91 ng/Kg 1.22 ng/Kg 1.03 ng/Kg 0.756 ng/Kg 0.719 ng/Kg 0.715 ng/Kg 0.595 ng/Kg 0.728 ng/Kg 1.24 ng/Kg 1.01 ng/Kg 0.694 ng/Kg 0.739 ng/Kg 0.579 ng/Kg 5.72 ng/Kg 1.98 ng/Kg	SL-196-SA5B-SB-4.0-5.0 SL-201-SA5B-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-017-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.109 ng/Kg	0.109U ng/Kg
SL-017-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0638 ng/Kg	0.0638U ng/Kg
SL-017-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0761 ng/Kg	0.0761U ng/Kg
SL-017-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0627 ng/Kg	0.0627U ng/Kg
SL-017-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0803 ng/Kg	0.0803U ng/Kg
SL-017-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0660 ng/Kg	0.0660U ng/Kg
SL-017-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0854 ng/Kg	0.0854U ng/Kg
SL-017-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0689 ng/Kg	0.0689U ng/Kg
SL-017-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.163 ng/Kg	0.163U ng/Kg
SL-017-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HxCDF	0.0914 ng/Kg	0.0914U ng/Kg
SL-017-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HxCDF	0.0751 ng/Kg	0.0751U ng/Kg
SL-017-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0482 ng/Kg	0.0482U ng/Kg
SL-017-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0287 ng/Kg	0.0287U ng/Kg
SL-017-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HxCDF	0.0491 ng/Kg	0.0491U ng/Kg
SL-017-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0745 ng/Kg	0.0745U ng/Kg
SL-021-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDF	0.185 ng/Kg	0.185U ng/Kg
SL-021-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.122 ng/Kg	0.122U ng/Kg
SL-178-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.232 ng/Kg	0.232U ng/Kg
SL-178-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0441 ng/Kg	0.0441U ng/Kg
SL-178-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0392 ng/Kg	0.0392U ng/Kg
SL-178-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0176 ng/Kg	0.0176U ng/Kg
SL-178-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0253 ng/Kg	0.0253U ng/Kg
SL-178-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0256 ng/Kg	0.0256U ng/Kg
SL-178-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0164 ng/Kg	0.0164U ng/Kg
SL-178-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0449 ng/Kg	0.0449U ng/Kg
SL-178-SA5B-SB-4.0-5.0(RES)	OCDD	1.23 ng/Kg	1.23U ng/Kg
SL-178-SA5B-SB-4.0-5.0(RES)	OCDF	0.147 ng/Kg	0.147U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/12/2011 10:57:21 AM

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Method Blank Outlier Report

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_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-179-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.297 ng/Kg	0.297U ng/Kg
SL-179-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0536 ng/Kg	0.0536U ng/Kg
SL-179-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.252 ng/Kg	0.252U ng/Kg
SL-179-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0654 ng/Kg	0.0654U ng/Kg
SL-179-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0815 ng/Kg	0.0815U ng/Kg
SL-179-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0494 ng/Kg	0.0494U ng/Kg
SL-179-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0981 ng/Kg	0.0981U ng/Kg
SL-179-SA5B-SB-4.0-5.0(RES)	OCDF	0.628 ng/Kg	0.628U ng/Kg
SL-179-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	0.161 ng/Kg	0.161U ng/Kg
SL-179-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0426 ng/Kg	0.0426U ng/Kg
SL-179-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.0186 ng/Kg	0.0186U ng/Kg
SL-179-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.0212 ng/Kg	0.0212U ng/Kg
SL-179-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.0176 ng/Kg	0.0176U ng/Kg
SL-179-SA5B-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.0127 ng/Kg	0.0127U ng/Kg
SL-179-SA5B-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0404 ng/Kg	0.0404U ng/Kg
SL-179-SA5B-SB-7.0-8.0(RES)	OCDD	0.600 ng/Kg	0.600U ng/Kg
SL-179-SA5B-SB-7.0-8.0(RES)	OCDF	0.0875 ng/Kg	0.0875U ng/Kg
SL-181-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.223 ng/Kg	0.223U ng/Kg
SL-181-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0579 ng/Kg	0.0579U ng/Kg
SL-181-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0292 ng/Kg	0.0292U ng/Kg
SL-181-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0171 ng/Kg	0.0171U ng/Kg
SL-181-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.103 ng/Kg	0.103U ng/Kg
SL-181-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0315 ng/Kg	0.0315U ng/Kg
SL-181-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0261 ng/Kg	0.0261U ng/Kg
SL-181-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0180 ng/Kg	0.0180U ng/Kg
SL-181-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0479 ng/Kg	0.0479U ng/Kg
SL-181-SA5B-SB-4.0-5.0(RES)	OCDD	1.04 ng/Kg	1.04U ng/Kg
SL-181-SA5B-SB-4.0-5.0(RES)	OCDF	0.150 ng/Kg	0.150U ng/Kg
SL-183-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.485 ng/Kg	0.485U ng/Kg
SL-183-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.104 ng/Kg	0.104U ng/Kg
SL-183-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0336 ng/Kg	0.0336U ng/Kg
SL-183-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0396 ng/Kg	0.0396U ng/Kg
SL-183-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0416 ng/Kg	0.0416U ng/Kg
SL-183-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0667 ng/Kg	0.0667U ng/Kg
SL-183-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0443 ng/Kg	0.0443U ng/Kg
SL-183-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0600 ng/Kg	0.0600U ng/Kg
SL-183-SA5B-SB-4.0-5.0(RES)	OCDF	0.208 ng/Kg	0.208U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_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-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.172 ng/Kg	0.172U ng/Kg
SL-184-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-184-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDD	0.158 ng/Kg	0.158U ng/Kg
SL-185-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0832 ng/Kg	0.0832U ng/Kg
SL-185-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.221 ng/Kg	0.221U ng/Kg
SL-185-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0687 ng/Kg	0.0687U ng/Kg
SL-185-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0637 ng/Kg	0.0637U ng/Kg
SL-185-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0803 ng/Kg	0.0803U ng/Kg
SL-185-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.160 ng/Kg	0.160U ng/Kg
SL-186-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.345 ng/Kg	0.345U ng/Kg
SL-186-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0555 ng/Kg	0.0555U ng/Kg
SL-186-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HPCDF	0.0855 ng/Kg	0.0855U ng/Kg
SL-186-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0636 ng/Kg	0.0636U ng/Kg
SL-186-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0642 ng/Kg	0.0642U ng/Kg
SL-186-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0307 ng/Kg	0.0307U ng/Kg
SL-186-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0193 ng/Kg	0.0193U ng/Kg
SL-186-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0638 ng/Kg	0.0638U ng/Kg
SL-186-SA5B-SB-4.0-5.0(RES)	OCDD	1.39 ng/Kg	1.39U ng/Kg
SL-186-SA5B-SB-4.0-5.0(RES)	OCDF	0.159 ng/Kg	0.159U ng/Kg
SL-192-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.224 ng/Kg	0.224U ng/Kg
SL-192-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0650 ng/Kg	0.0650U ng/Kg
SL-192-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0354 ng/Kg	0.0354U ng/Kg
SL-192-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0368 ng/Kg	0.0368U ng/Kg
SL-192-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0379 ng/Kg	0.0379U ng/Kg
SL-192-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0285 ng/Kg	0.0285U ng/Kg
SL-192-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0505 ng/Kg	0.0505U ng/Kg
SL-192-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0208 ng/Kg	0.0208U ng/Kg
SL-192-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0578 ng/Kg	0.0578U ng/Kg
SL-192-SA5B-SB-4.0-5.0(RES)	OCDD	0.857 ng/Kg	0.857U ng/Kg
SL-192-SA5B-SB-4.0-5.0(RES)	OCDF	0.169 ng/Kg	0.169U ng/Kg
SL-193-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.191 ng/Kg	0.191U ng/Kg
SL-193-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0282 ng/Kg	0.0282U ng/Kg
SL-193-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0199 ng/Kg	0.0199U ng/Kg
SL-193-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0196 ng/Kg	0.0196U ng/Kg
SL-193-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0405 ng/Kg	0.0405U ng/Kg
SL-193-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0204 ng/Kg	0.0204U ng/Kg
SL-193-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0200 ng/Kg	0.0200U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_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-193-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0152 ng/Kg	0.0152U ng/Kg
SL-193-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0407 ng/Kg	0.0407U ng/Kg
SL-193-SA5B-SB-4.0-5.0(RES)	OCDD	0.920 ng/Kg	0.920U ng/Kg
SL-193-SA5B-SB-4.0-5.0(RES)	OCDF	0.101 ng/Kg	0.101U ng/Kg
SL-194-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.177 ng/Kg	0.177U ng/Kg
SL-194-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0405 ng/Kg	0.0405U ng/Kg
SL-194-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0183 ng/Kg	0.0183U ng/Kg
SL-194-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0574 ng/Kg	0.0574U ng/Kg
SL-194-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0285 ng/Kg	0.0285U ng/Kg
SL-194-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0461 ng/Kg	0.0461U ng/Kg
SL-194-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0357 ng/Kg	0.0357U ng/Kg
SL-194-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0351 ng/Kg	0.0351U ng/Kg
SL-194-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0297 ng/Kg	0.0297U ng/Kg
SL-194-SA5B-SB-4.0-5.0(RES)	OCDD	0.924 ng/Kg	0.924U ng/Kg
SL-194-SA5B-SB-4.0-5.0(RES)	OCDF	0.0780 ng/Kg	0.0780U ng/Kg
SL-196-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.748 ng/Kg	0.748U ng/Kg
SL-196-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.205 ng/Kg	0.205U ng/Kg
SL-196-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.386 ng/Kg	0.386U ng/Kg
SL-196-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.225 ng/Kg	0.225U ng/Kg
SL-196-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.221 ng/Kg	0.221U ng/Kg
SL-196-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.126 ng/Kg	0.126U ng/Kg
SL-196-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.278 ng/Kg	0.278U ng/Kg
SL-196-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.560 ng/Kg	0.560U ng/Kg
SL-196-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.266 ng/Kg	0.266U ng/Kg
SL-196-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.265 ng/Kg	0.265U ng/Kg
SL-196-SA5B-SB-4.0-5.0(RES)	OCDD	2.96 ng/Kg	2.96U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.352 ng/Kg	0.352U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.112 ng/Kg	0.112U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.158 ng/Kg	0.158U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.144 ng/Kg	0.144U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.131 ng/Kg	0.131U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0817 ng/Kg	0.0817U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.279 ng/Kg	0.279U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.187 ng/Kg	0.187U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.179 ng/Kg	0.179U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.209 ng/Kg	0.209U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.193 ng/Kg	0.193U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_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-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.121 ng/Kg	0.121U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	OCDD	2.42 ng/Kg	2.42U ng/Kg
SL-201-SA5B-SB-4.0-5.0(RES)	OCDF	0.195 ng/Kg	0.195U ng/Kg
SL-201-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.466 ng/Kg	0.466U ng/Kg
SL-201-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0834 ng/Kg	0.0834U ng/Kg
SL-201-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0350 ng/Kg	0.0350U ng/Kg
SL-201-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0531 ng/Kg	0.0531U ng/Kg
SL-201-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0147 ng/Kg	0.0147U ng/Kg
SL-201-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0214 ng/Kg	0.0214U ng/Kg
SL-201-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0495 ng/Kg	0.0495U ng/Kg
SL-201-SA5B-SB-9.0-10.0(RES)	OCDF	0.206 ng/Kg	0.206U ng/Kg
SL-203-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.119 ng/Kg	0.119U ng/Kg
SL-203-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.150 ng/Kg	0.150U ng/Kg
SL-203-SA5B-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDD	0.158 ng/Kg	0.158U ng/Kg
SL-203-SA5B-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0371 ng/Kg	0.0371U ng/Kg
SL-203-SA5B-SB-7.5-8.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0570 ng/Kg	0.0570U ng/Kg
SL-203-SA5B-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDF	0.0295 ng/Kg	0.0295U ng/Kg
SL-203-SA5B-SB-7.5-8.5(RES)	1,2,3,7,8-PECDD	0.0385 ng/Kg	0.0385U ng/Kg
SL-203-SA5B-SB-7.5-8.5(RES)	1,2,3,7,8-PECDF	0.0107 ng/Kg	0.0107U ng/Kg
SL-203-SA5B-SB-7.5-8.5(RES)	2,3,4,6,7,8-HXCDF	0.0146 ng/Kg	0.0146U ng/Kg
SL-203-SA5B-SB-7.5-8.5(RES)	2,3,4,7,8-PECDF	0.0515 ng/Kg	0.0515U ng/Kg
SL-203-SA5B-SB-7.5-8.5(RES)	OCDD	0.444 ng/Kg	0.444U ng/Kg
SL-203-SA5B-SB-7.5-8.5(RES)	OCDF	0.126 ng/Kg	0.126U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Internal Standard Outlier Report

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SL-203-SA5B-SB- 4.0-5.0	13C-1,2,3,4,7,8-HxCDF	21	26.00-152.00	1,2,3,4,7,8-HxCDF	J (all detects) UJ (all non-detects)

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB27-SA5B-012711	1,2,3,4,6,7,8-HPCDD	JBQ	1.40	10.7	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.656	10.7	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.501	10.7	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.742	10.7	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.409	10.7	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.806	10.7	PQL	pg/L	
	OCDD	JB	7.15	21.3	PQL	pg/L	
	OCDF	JBQ	1.83	21.3	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-017-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JBQ	0.757	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.109	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0755	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0638	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.327	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0761	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.212	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0627	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0803	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0701	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0660	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0854	5.77	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0365	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0261	1.15	PQL	ng/Kg	
	OCDF	JB	2.24	11.5	PQL	ng/Kg	
SL-017-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	5.42	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.623	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0689	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0355	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.163	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.324	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0914	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.337	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0751	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0482	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0287	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0491	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0745	5.54	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0312	1.11	PQL	ng/Kg	
	OCDF	JB	1.64	11.1	PQL	ng/Kg	
SL-021-SA5B-SB-4.0-5.0	1,2,3,6,7,8-HXCDF	JB	3.36	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	2.96	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.13	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	3.53	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.65	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.966	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.465	1.12	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-021-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	3.54	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.256	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.454	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.185	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	1.21	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.350	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.32	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.171	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.301	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0767	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.369	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.122	5.60	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0538	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0454	1.12	PQL	ng/Kg	
	OCDF	JB	7.78	11.2	PQL	ng/Kg	
SL-178-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.232	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0441	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0175	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0392	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0192	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0176	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0253	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0256	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0164	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0449	5.79	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0159	1.16	PQL	ng/Kg	
	OCDD	JB	1.23	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.147	11.6	PQL	ng/Kg	
SL-179-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.10	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.297	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0536	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.252	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.238	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0654	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.355	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.287	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0815	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0933	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0494	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0981	5.81	PQL	ng/Kg	
	OCDF	JBQ	0.628	11.6	PQL	ng/Kg	
SL-179-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.161	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0426	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0186	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0258	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0212	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0176	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0127	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0404	5.73	PQL	ng/Kg	
	OCDD	JB	0.600	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.0875	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-181-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.223	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0579	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0292	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0588	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0171	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0833	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.103	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0315	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0261	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0180	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0479	5.73	PQL	ng/Kg	
	OCDD	JB	1.04	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.150	11.5	PQL	ng/Kg	
SL-183-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.485	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.104	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0336	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0396	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.361	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0416	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.556	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.392	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0667	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0861	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0443	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0600	5.69	PQL	ng/Kg	
	OCDD	JB	4.95	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.208	11.4	PQL	ng/Kg	
SL-184-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDF	JB	1.95	5.83	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.172	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.252	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.519	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.836	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.121	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.653	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.202	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.158	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0977	5.83	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.173	5.83	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.107	1.17	PQL	ng/Kg	
	OCDF	JB	5.27	11.7	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-185-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	4.26	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.511	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0832	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0622	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.221	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.360	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0687	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.327	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.198	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0637	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0749	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0803	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.160	5.72	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0925	1.14	PQL	ng/Kg	
	OCDF	JB	1.28	11.4	PQL	ng/Kg	
SL-186-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.345	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0555	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0855	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0636	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0642	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0307	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0193	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0638	5.57	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0361	1.11	PQL	ng/Kg	
	OCDD	JB	1.39	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.159	11.1	PQL	ng/Kg	
SL-192-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.224	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0650	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0354	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.0505	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0368	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0930	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0379	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0285	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0505	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0208	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0578	5.61	PQL	ng/Kg	
	OCDD	JBQ	0.857	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.169	11.2	PQL	ng/Kg	
SL-193-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.191	5.90	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0282	5.90	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0199	5.90	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0533	5.90	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0196	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.0808	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0405	5.90	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0204	5.90	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0200	5.90	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0152	5.90	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0407	5.90	PQL	ng/Kg	
	OCDD	JB	0.920	11.8	PQL	ng/Kg	
	OCDF	JBQ	0.101	11.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-194-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.177	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0405	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0183	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0574	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0320	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0285	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.0513	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0461	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0357	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0351	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0297	5.73	PQL	ng/Kg	
	OCDD	JB	0.924	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.0780	11.5	PQL	ng/Kg	
SL-196-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.748	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.205	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.386	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.225	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.221	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.126	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.278	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.560	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.266	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.265	5.71	PQL	ng/Kg	
	OCDD	JBQ	2.96	11.4	PQL	ng/Kg	
SL-201-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.352	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.112	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.158	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.144	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.131	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0817	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.279	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.187	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.179	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.209	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.193	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.121	5.77	PQL	ng/Kg	
	OCDD	JBQ	2.42	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.195	11.5	PQL	ng/Kg	
SL-201-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.466	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0834	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0350	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.0409	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0454	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0531	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0147	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0214	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0495	5.62	PQL	ng/Kg	
	OCDD	JB	2.89	11.2	PQL	ng/Kg	
	OCDF	JB	0.206	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX045

Laboratory: LL

EDD Filename: DX045_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-203-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	4.23	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.616	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.119	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0922	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.16	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.468	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.126	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.619	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.480	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.150	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.189	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.148	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.263	5.81	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0359	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.120	1.16	PQL	ng/Kg	
	OCDF	JB	1.49	11.6	PQL	ng/Kg	
SL-203-SA5B-SB-7.5-8.5	1,2,3,4,6,7,8-HPCDD	JB	0.158	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0371	5.68	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0570	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0192	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0295	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0385	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0107	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0146	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0515	5.68	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0276	1.14	PQL	ng/Kg	
	OCDD	JB	0.444	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.126	11.4	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: January 27 through January 28, 2011
LDC Report Date: July 7, 2011
Matrix: Soil/Water
Parameters: Dioxins/Dibenzofurans
Validation Level: Level IV
Laboratory: Lancaster Laboratories
Sample Delivery Group (SDG): DX045

Sample Identification

SL-017-SA5B-SB-4.0-5.0	SL-201-SA5B-SB-9.0-10.0
SL-017-SA5B-SB-9.0-10.0	
SL-021-SA5B-SB-4.0-5.0	
SL-021-SA5B-SB-9.0-10.0	
SL-181-SA5B-SB-4.0-5.0	
SL-185-SA5B-SB-4.0-5.0	
SL-186-SA5B-SB-4.0-5.0	
SL-192-SA5B-SB-4.0-5.0	
SL-203-SA5B-SB-4.0-5.0	
SL-203-SA5B-SB-7.5-8.5	
EB27-SA5B-012711	
SL-178-SA5B-SB-4.0-5.0	
SL-179-SA5B-SB-4.0-5.0	
SL-179-SA5B-SB-7.0-8.0	
SL-183-SA5B-SB-4.0-5.0	
SL-184-SA5B-SB-3.0-4.0	
SL-193-SA5B-SB-4.0-5.0	
SL-194-SA5B-SB-4.0-5.0	
SL-196-SA5B-SB-4.0-5.0	
SL-201-SA5B-SB-4.0-5.0	

Introduction

This data review covers 20 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.
- N Presumptive evidence of presence of the constituent.
- 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 30.0% 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 less than or equal to 20.0% for unlabeled compounds and less than or equal to 30.0% for labeled compounds.

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
BLANKA	2/9/11	2,3,7,8-TCDD 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 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 1,2,3,7,8,9-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	0.388 pg/L 0.582 pg/L 0.977 pg/L 1.28 pg/L 0.498 pg/L 3.54 pg/L 8.07 pg/L 0.581 pg/L 1.07 pg/L 1.91 pg/L 1.44 pg/L 0.762 pg/L 0.751 pg/L 1.45 pg/L 3.54 pg/L 6.03 pg/L	All water samples in SDG DX045
BLK046001	2/25/11	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-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	0.0370 ng/Kg 0.157 ng/Kg 0.311 ng/Kg 0.0123 ng/Kg 0.0418 ng/Kg 0.0660 ng/Kg 0.0243 ng/Kg 0.0336 ng/Kg 0.0212 ng/Kg 0.0681 ng/Kg 0.0345 ng/Kg 0.158 ng/Kg	SL-017-SA5B-SB-4.0-5.0 SL-017-SA5B-SB-9.0-10.0 SL-021-SA5B-SB-4.0-5.0 SL-021-SA5B-SB-9.0-10.0 SL-181-SA5B-SB-4.0-5.0 SL-185-SA5B-SB-4.0-5.0 SL-186-SA5B-SB-4.0-5.0 SL-192-SA5B-SB-4.0-5.0 SL-203-SA5B-SB-4.0-5.0 SL-203-SA5B-SB-7.5-8.5 SL-178-SA5B-SB-4.0-5.0 SL-179-SA5B-SB-4.0-5.0 SL-179-SA5B-SB-7.0-8.0 SL-183-SA5B-SB-4.0-5.0 SL-184-SA5B-SB-3.0-4.0 SL-193-SA5B-SB-4.0-5.0 SL-194-SA5B-SB-4.0-5.0 SL-201-SA5B-SB-9.0-10.0
BLK056001	2/25/11	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 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 1,2,3,7,8,9-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	1.01 ng/Kg 0.756 ng/Kg 0.715 ng/Kg 0.728 ng/Kg 1.91 ng/Kg 5.72 ng/Kg 0.694 ng/Kg 0.579 ng/Kg 0.719 ng/Kg 0.595 ng/Kg 1.24 ng/Kg 0.739 ng/Kg 1.22 ng/Kg 1.03 ng/Kg 1.98 ng/Kg	SL-196-SA5B-SB-4.0-5.0 SL-201-SA5B-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
EB27-SA5B-012711	1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,4,6,7,8-HpCDF OCDF	1.40 pg/L 7.15 pg/L 0.742 pg/L 0.806 pg/L 0.501 pg/L 0.409 pg/L 0.656 pg/L 1.83 pg/L	1.40U pg/L 7.15U pg/L 0.742U pg/L 0.806U pg/L 0.501U pg/L 0.409U pg/L 0.656U pg/L 1.83U pg/L
SL-017-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 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 1,2,3,4,7,8,9-HpCDF	0.0803 ng/Kg 0.0854 ng/Kg 0.0638 ng/Kg 0.0761 ng/Kg 0.0627 ng/Kg 0.0660 ng/Kg 0.109 ng/Kg	0.0803U ng/Kg 0.0854U ng/Kg 0.0638U ng/Kg 0.0761U ng/Kg 0.0627U ng/Kg 0.0660U ng/Kg 0.109U ng/Kg
SL-017-SA5B-SB-9.0-10.0	1,2,3,7,8-PeCDD 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 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0482 ng/Kg 0.0287 ng/Kg 0.0745 ng/Kg 0.163 ng/Kg 0.0914 ng/Kg 0.0751 ng/Kg 0.0491 ng/Kg 0.0689 ng/Kg	0.0482U ng/Kg 0.0287U ng/Kg 0.0745U ng/Kg 0.163U ng/Kg 0.0914U ng/Kg 0.0751U ng/Kg 0.0491U ng/Kg 0.0689U ng/Kg
SL-021-SA5B-SB-9.0-10.0	2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF	0.122 ng/Kg 0.185 ng/Kg	0.122U ng/Kg 0.185U ng/Kg
SL-181-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD OCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 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	0.0315 ng/Kg 0.223 ng/Kg 1.04 ng/Kg 0.0261 ng/Kg 0.0479 ng/Kg 0.0171 ng/Kg 0.103 ng/Kg 0.0180 ng/Kg 0.0579 ng/Kg 0.0292 ng/Kg 0.150 ng/Kg	0.0315U ng/Kg 0.223U ng/Kg 1.04U ng/Kg 0.0261U ng/Kg 0.0479U ng/Kg 0.0171U ng/Kg 0.103U ng/Kg 0.0180U ng/Kg 0.0579U ng/Kg 0.0292U ng/Kg 0.150U ng/Kg
SL-185-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 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 1,2,3,4,7,8,9-HpCDF	0.0637 ng/Kg 0.160 ng/Kg 0.221 ng/Kg 0.0687 ng/Kg 0.0803 ng/Kg 0.0832 ng/Kg	0.0637U ng/Kg 0.160U ng/Kg 0.221U ng/Kg 0.0687U ng/Kg 0.0803U ng/Kg 0.0832U ng/Kg
SL-186-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD OCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0307 ng/Kg 0.345 ng/Kg 1.39 ng/Kg 0.0193 ng/Kg 0.0638 ng/Kg 0.0636 ng/Kg 0.0642 ng/Kg 0.0555 ng/Kg 0.0855 ng/Kg 0.159 ng/Kg	0.0307U ng/Kg 0.345U ng/Kg 1.39U ng/Kg 0.0193U ng/Kg 0.0638U ng/Kg 0.0636U ng/Kg 0.0642U ng/Kg 0.0555U ng/Kg 0.0855U ng/Kg 0.159U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-192-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.0285 ng/Kg 0.224 ng/Kg 0.857 ng/Kg 0.0505 ng/Kg 0.0578 ng/Kg 0.0354 ng/Kg 0.0368 ng/Kg 0.0379 ng/Kg 0.0208 ng/Kg 0.0650 ng/Kg 0.169 ng/Kg	0.0285U ng/Kg 0.224U ng/Kg 0.857U ng/Kg 0.0505U ng/Kg 0.0578U ng/Kg 0.0354U ng/Kg 0.0368U ng/Kg 0.0379U ng/Kg 0.0208U ng/Kg 0.0650U ng/Kg 0.169U ng/Kg
SL-203-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8,9-HpCDF	0.150 ng/Kg 0.119 ng/Kg	0.150U ng/Kg 0.119U ng/Kg
SL-203-SA5B-SB-7.5-8.5	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD OCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 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	0.0385 ng/Kg 0.158 ng/Kg 0.444 ng/Kg 0.0107 ng/Kg 0.0515 ng/Kg 0.0295 ng/Kg 0.0146 ng/Kg 0.0371 ng/Kg 0.0570 ng/Kg 0.126 ng/Kg	0.0385U ng/Kg 0.158U ng/Kg 0.444U ng/Kg 0.0107U ng/Kg 0.0515U ng/Kg 0.0295U ng/Kg 0.0146U ng/Kg 0.0371U ng/Kg 0.0570U ng/Kg 0.126U ng/Kg
SL-178-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.232 ng/Kg 1.23 ng/Kg 0.0256 ng/Kg 0.0449 ng/Kg 0.0392 ng/Kg 0.0176 ng/Kg 0.0253 ng/Kg 0.0164 ng/Kg 0.0441 ng/Kg 0.147 ng/Kg	0.232U ng/Kg 1.23U ng/Kg 0.0256U ng/Kg 0.0449U ng/Kg 0.0392U ng/Kg 0.0176U ng/Kg 0.0253U ng/Kg 0.0164U ng/Kg 0.0441U ng/Kg 0.147U ng/Kg
SL-179-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 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 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0815 ng/Kg 0.0981 ng/Kg 0.252 ng/Kg 0.0654 ng/Kg 0.0494 ng/Kg 0.297 ng/Kg 0.0536 ng/Kg 0.628 ng/Kg	0.0815U ng/Kg 0.0981U ng/Kg 0.252U ng/Kg 0.0654U ng/Kg 0.0494U ng/Kg 0.297U ng/Kg 0.0536U ng/Kg 0.628U ng/Kg
SL-179-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HpCDD OCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.161 ng/Kg 0.600 ng/Kg 0.0176 ng/Kg 0.0404 ng/Kg 0.0186 ng/Kg 0.0212 ng/Kg 0.0127 ng/Kg 0.0426 ng/Kg 0.0875 ng/Kg	0.161U ng/Kg 0.600U ng/Kg 0.0176U ng/Kg 0.0404U ng/Kg 0.0186U ng/Kg 0.0212U ng/Kg 0.0127U ng/Kg 0.0426U ng/Kg 0.0875U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-183-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD 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 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0667 ng/Kg 0.485 ng/Kg 0.0600 ng/Kg 0.0396 ng/Kg 0.0416 ng/Kg 0.0443 ng/Kg 0.104 ng/Kg 0.0336 ng/Kg 0.208 ng/Kg	0.0667U ng/Kg 0.485U ng/Kg 0.0600U ng/Kg 0.0396U ng/Kg 0.0416U ng/Kg 0.0443U ng/Kg 0.104U ng/Kg 0.0336U ng/Kg 0.208U ng/Kg
SL-184-SA5B-SB-3.0-4.0	1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 1,2,3,4,7,8,9-HpCDF	0.158 ng/Kg 0.121 ng/Kg 0.172 ng/Kg	0.158U ng/Kg 0.121U ng/Kg 0.172U ng/Kg
SL-193-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.0204 ng/Kg 0.191 ng/Kg 0.920 ng/Kg 0.0200 ng/Kg 0.0407 ng/Kg 0.0199 ng/Kg 0.0196 ng/Kg 0.0405 ng/Kg 0.0152 ng/Kg 0.0282 ng/Kg 0.101 ng/Kg	0.0204U ng/Kg 0.191U ng/Kg 0.920U ng/Kg 0.0200U ng/Kg 0.0407U ng/Kg 0.0199U ng/Kg 0.0196U ng/Kg 0.0405U ng/Kg 0.0152U ng/Kg 0.0282U ng/Kg 0.101U ng/Kg
SL-194-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-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	0.177 ng/Kg 0.924 ng/Kg 0.0357 ng/Kg 0.0297 ng/Kg 0.0574 ng/Kg 0.0285 ng/Kg 0.0461 ng/Kg 0.0351 ng/Kg 0.0405 ng/Kg 0.0183 ng/Kg 0.0780 ng/Kg	0.177U ng/Kg 0.924U ng/Kg 0.0357U ng/Kg 0.0297U ng/Kg 0.0574U ng/Kg 0.0285U ng/Kg 0.0461U ng/Kg 0.0351U ng/Kg 0.0405U ng/Kg 0.0183U ng/Kg 0.0780U ng/Kg
SL-201-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HpCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 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	0.466 ng/Kg 0.0147 ng/Kg 0.0495 ng/Kg 0.0531 ng/Kg 0.0214 ng/Kg 0.0834 ng/Kg 0.0350 ng/Kg 0.206 ng/Kg	0.466U ng/Kg 0.0147U ng/Kg 0.0495U ng/Kg 0.0531U ng/Kg 0.0214U ng/Kg 0.0834U ng/Kg 0.0350U ng/Kg 0.206U ng/Kg
SL-196-SA5B-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-HpCDD OCDD 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	0.266 ng/Kg 0.221 ng/Kg 0.278 ng/Kg 0.748 ng/Kg 2.96 ng/Kg 0.225 ng/Kg 0.126 ng/Kg 0.560 ng/Kg 0.265 ng/Kg 0.205 ng/Kg 0.386 ng/Kg	0.266U ng/Kg 0.221U ng/Kg 0.278U ng/Kg 0.748U ng/Kg 2.96U ng/Kg 0.225U ng/Kg 0.126U ng/Kg 0.560U ng/Kg 0.265U ng/Kg 0.205U ng/Kg 0.386U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-201-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD	0.179 ng/Kg	0.179U ng/Kg
	1,2,3,4,7,8-HxCDD	0.144 ng/Kg	0.144U ng/Kg
	1,2,3,7,8,9-HxCDD	0.279 ng/Kg	0.279U ng/Kg
	1,2,3,4,6,7,8-HpCDD	0.352 ng/Kg	0.352U ng/Kg
	OCDD	2.42 ng/Kg	2.42U ng/Kg
	1,2,3,7,8-PeCDF	0.209 ng/Kg	0.209U ng/Kg
	2,3,4,7,8-PeCDF	0.121 ng/Kg	0.121U ng/Kg
	1,2,3,4,7,8-HxCDF	0.131 ng/Kg	0.131U ng/Kg
	1,2,3,6,7,8-HxCDF	0.0817 ng/Kg	0.0817U ng/Kg
	1,2,3,7,8,9-HxCDF	0.187 ng/Kg	0.187U ng/Kg
	2,3,4,6,7,8-HxCDF	0.193 ng/Kg	0.193U ng/Kg
	1,2,3,4,6,7,8-HpCDF	0.112 ng/Kg	0.112U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.158 ng/Kg	0.158U ng/Kg
	OCDF	0.195 ng/Kg	0.195U ng/Kg

Sample EB27-SA5B-012711 was identified as an equipment blank. No polychlorinated dioxin/dibenzofuran contaminants were found in this blank with the following exceptions:

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
EB27-SA5B-012711	1/27/11	1,2,3,4,6,7,8-HpCDD	1.40 pg/L	SL-017-SA5B-SB-4.0-5.0
		OCDD	7.15 pg/L	SL-017-SA5B-SB-9.0-10.0
		1,2,3,7,8-PeCDF	0.742 pg/L	SL-021-SA5B-SB-4.0-5.0
		2,3,4,7,8-PeCDF	0.806 pg/L	SL-021-SA5B-SB-9.0-10.0
		1,2,3,4,7,8-HxCDF	0.501 pg/L	SL-181-SA5B-SB-4.0-5.0
		2,3,4,6,7,8-HxCDF	0.409 pg/L	SL-185-SA5B-SB-4.0-5.0
		1,2,3,4,6,7,8-HpCDF	0.656 pg/L	SL-186-SA5B-SB-4.0-5.0
		OCDF	1.83 pg/L	SL-192-SA5B-SB-4.0-5.0
				SL-203-SA5B-SB-4.0-5.0
				SL-203-SA5B-SB-7.5-8.5

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

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

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 with the following exceptions:

Sample	Internal Standards	%R (Limits)	Compound	Flag	A or P
BLK039001	¹³ C-1,2,3,4,7,8-HxCDF ¹³ C-1,2,3,6,7,8-HxCDF ¹³ C-2,3,4,6,7,8-HxCDF ¹³ C-1,2,3,4,7,8-HxCDD ¹³ C-1,2,3,6,7,8-HxCDD ¹³ C-1,2,3,4,6,7,8-HpCDF ¹³ C- OCDF	11 (26-152) 18 (26-123) 28 (28-136) 19 (32-141) 25 (28-130) 17 (28-143) 15 (17-157)	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 1,2,3,4,6,7,8-HpCDF OCDF	J (all detects) UJ (all non-detects)	P
SL-203-SA5B-SB-4.0-5.0	¹³ C-1,2,3,4,7,8-HxCDF	21 (26-152)	1,2,3,4,7,8-HxCDF	J (all detects) UJ (all non-detects)	P

X. Target Compound Identifications

All target compound identifications were within validation criteria.

XI. Compound Quantitation and CRQLs

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

Sample	Compound	Finding	Criteria	Flag	A or P
SL-021-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HpCDD OCDD	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects) J (all detects)	P

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG DX045	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

No field duplicates were identified in this SDG.

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Data Qualification Summary - SDG DX045

SDG	Sample	Compound	Flag	A or P	Reason (Code)
DX045	SL-203-SA5B-SB-4.0-5.0	1,2,3,4,7,8-HxCDF	J (all detects) UJ (all non-detects)	P	Internal standards (%R) (I)
DX045	SL-021-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HpCDD OCDD	J (all detects) J (all detects)	P	Compound quantitation and CRQLs (*XI)
DX045	SL-017-SA5B-SB-4.0-5.0 SL-017-SA5B-SB-9.0-10.0 SL-021-SA5B-SB-4.0-5.0 SL-021-SA5B-SB-9.0-10.0 SL-181-SA5B-SB-4.0-5.0 SL-185-SA5B-SB-4.0-5.0 SL-186-SA5B-SB-4.0-5.0 SL-192-SA5B-SB-4.0-5.0 SL-203-SA5B-SB-4.0-5.0 SL-203-SA5B-SB-7.5-8.5 EB27-SA5B-012711 SL-178-SA5B-SB-4.0-5.0 SL-179-SA5B-SB-4.0-5.0 SL-179-SA5B-SB-7.0-8.0 SL-183-SA5B-SB-4.0-5.0 SL-184-SA5B-SB-3.0-4.0 SL-193-SA5B-SB-4.0-5.0 SL-194-SA5B-SB-4.0-5.0 SL-196-SA5B-SB-4.0-5.0 SL-201-SA5B-SB-4.0-5.0 SL-201-SA5B-SB-9.0-10.0	All compounds reported below the RL.	J (all detects)	A	Compound quantitation and CRQLs (Z)

Santa Susana Field Laboratory
Dioxins/Dibenzofurans - Laboratory Blank Data Qualification Summary - SDG DX045

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX045	EB27-SA5B-012711	1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,4,6,7,8-HpCDF OCDF	1.40U pg/L 7.15U pg/L 0.742U pg/L 0.806U pg/L 0.501U pg/L 0.409U pg/L 0.656U pg/L 1.83U pg/L	A	B
DX045	SL-017-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 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 1,2,3,4,7,8,9-HpCDF	0.0803U ng/Kg 0.0854U ng/Kg 0.0638U ng/Kg 0.0761U ng/Kg 0.0627U ng/Kg 0.0660U ng/Kg 0.109U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX045	SL-017-SA5B-SB-9.0-10.0	1,2,3,7,8-PeCDD 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 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8,9-HpCDF	0.0482U ng/Kg 0.0287U ng/Kg 0.0745U ng/Kg 0.163U ng/Kg 0.0914U ng/Kg 0.0751U ng/Kg 0.0491U ng/Kg 0.0689U ng/Kg	A	B
DX045	SL-021-SA5B-SB-9.0-10.0	2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF	0.122U ng/Kg 0.185U ng/Kg	A	B
DX045	SL-181-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD OCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 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	0.0315U ng/Kg 0.223U ng/Kg 1.04U ng/Kg 0.0261U ng/Kg 0.0479U ng/Kg 0.0171U ng/Kg 0.103U ng/Kg 0.0180U ng/Kg 0.0579U ng/Kg 0.0292U ng/Kg 0.150U ng/Kg	A	B
DX045	SL-185-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 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 1,2,3,4,7,8,9-HpCDF	0.0637U ng/Kg 0.160U ng/Kg 0.221U ng/Kg 0.0687U ng/Kg 0.0803U ng/Kg 0.0832U ng/Kg	A	B
DX045	SL-186-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD OCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0307U ng/Kg 0.345U ng/Kg 1.39U ng/Kg 0.0193U ng/Kg 0.0638U ng/Kg 0.0636U ng/Kg 0.0642U ng/Kg 0.0555U ng/Kg 0.0855U ng/Kg 0.159U ng/Kg	A	B
DX045	SL-192-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.0285U ng/Kg 0.224U ng/Kg 0.857U ng/Kg 0.0505U ng/Kg 0.0578U ng/Kg 0.0354U ng/Kg 0.0368U ng/Kg 0.0379U ng/Kg 0.0208U ng/Kg 0.0650U ng/Kg 0.169U ng/Kg	A	B
DX045	SL-203-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8,9-HpCDF	0.150U ng/Kg 0.119U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX045	SL-203-SA5B-SB-7.5-8.5	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD OCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 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	0.0385U ng/Kg 0.158U ng/Kg 0.444U ng/Kg 0.0107U ng/Kg 0.0515U ng/Kg 0.0295U ng/Kg 0.0146U ng/Kg 0.0371U ng/Kg 0.0570U ng/Kg 0.126U ng/Kg	A	B
DX045	SL-178-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.232U ng/Kg 1.23U ng/Kg 0.0256U ng/Kg 0.0449U ng/Kg 0.0392U ng/Kg 0.0176U ng/Kg 0.0253U ng/Kg 0.0164U ng/Kg 0.0441U ng/Kg 0.147U ng/Kg	A	B
DX045	SL-179-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 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 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0815U ng/Kg 0.0981U ng/Kg 0.252U ng/Kg 0.0654U ng/Kg 0.0494U ng/Kg 0.297U ng/Kg 0.0536U ng/Kg 0.628U ng/Kg	A	B
DX045	SL-179-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HpCDD OCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.161U ng/Kg 0.600U ng/Kg 0.0176U ng/Kg 0.0404U ng/Kg 0.0186U ng/Kg 0.0212U ng/Kg 0.0127U ng/Kg 0.0426U ng/Kg 0.0875U ng/Kg	A	B
DX045	SL-183-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD 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 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.0667U ng/Kg 0.485U ng/Kg 0.0600U ng/Kg 0.0396U ng/Kg 0.0416U ng/Kg 0.0443U ng/Kg 0.104U ng/Kg 0.0336U ng/Kg 0.208U ng/Kg	A	B
DX045	SL-184-SA5B-SB-3.0-4.0	1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 1,2,3,4,7,8,9-HpCDF	0.158U ng/Kg 0.121U ng/Kg 0.172U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX045	SL-193-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF OCDF	0.0204U ng/Kg 0.191U ng/Kg 0.920U ng/Kg 0.0200U ng/Kg 0.0407U ng/Kg 0.0199U ng/Kg 0.0196U ng/Kg 0.0405U ng/Kg 0.0152U ng/Kg 0.0282U ng/Kg 0.101U ng/Kg	A	B
DX045	SL-194-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-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	0.177U ng/Kg 0.924U ng/Kg 0.0357U ng/Kg 0.0297U ng/Kg 0.0574U ng/Kg 0.0285U ng/Kg 0.0461U ng/Kg 0.0351U ng/Kg 0.0405U ng/Kg 0.0183U ng/Kg 0.0780U ng/Kg	A	B
DX045	SL-201-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HpCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 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	0.466U ng/Kg 0.0147U ng/Kg 0.0495U ng/Kg 0.0531U ng/Kg 0.0214U ng/Kg 0.0834U ng/Kg 0.0350U ng/Kg 0.206U ng/Kg	A	B
DX045	SL-196-SA5B-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-HpCDD OCDD 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	0.266U ng/Kg 0.221U ng/Kg 0.278U ng/Kg 0.748U ng/Kg 2.96U ng/Kg 0.225U ng/Kg 0.126U ng/Kg 0.560U ng/Kg 0.265U ng/Kg 0.205U ng/Kg 0.386U ng/Kg	A	B
DX045	SL-201-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD OCDD 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 1,2,3,7,8,9-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	0.179U ng/Kg 0.144U ng/Kg 0.279U ng/Kg 0.352U ng/Kg 2.42U ng/Kg 0.209U ng/Kg 0.121U ng/Kg 0.131U ng/Kg 0.0817U ng/Kg 0.187U ng/Kg 0.193U ng/Kg 0.112U ng/Kg 0.158U ng/Kg 0.195U ng/Kg	A	B

Santa Susana Field Laboratory

Dioxins/Dibenzofurans - Field Blank Data Qualification Summary - SDG DX045

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	A	Sampling dates: 1/27-28/11
II.	HRGC/HRMS Instrument performance check	A	
III.	Initial calibration	A	
IV.	Routine calibration/IDV	A	QC limits
V.	Blanks	W	
VI.	Matrix spike/Matrix spike duplicates	N	check specific d.
VII.	Laboratory control samples	A	ACS
VIII.	Regional quality assurance and quality control	N	
IX.	Internal standards	W	
X.	Target compound identifications	A	
XI.	Compound quantitation and CRQLs	W	
XII.	System performance	A	
XIII.	Overall assessment of data	A	
XIV.	Field duplicates	N	
XV.	Field blanks	W	2B=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:

AM soils except #1

1	SL-017-SA5B-SB-4.0-5.0	11	EB27-SA5B-012711	W	21	SL-201-SA5B-SB-9.0-10.0	31	BANK 11046001
2	SL-017-SA5B-SB-9.0-10.0	12	SL-178-SA5B-SB-4.0-5.0		22		32	BANK
3	SL-021-SA5B-SB-4.0-5.0	13	SL-179-SA5B-SB-4.0-5.0		23		33	BK046001
4	SL-021-SA5B-SB-9.0-10.0	14	SL-179-SA5B-SB-7.0-8.0		24		34	BK056001
5	SL-181-SA5B-SB-4.0-5.0	15	SL-183-SA5B-SB-4.0-5.0		25		35	BK039001
6	SL-185-SA5B-SB-4.0-5.0	16	SL-184-SA5B-SB-3.0-4.0		26		36	
7	SL-186-SA5B-SB-4.0-5.0	17	SL-193-SA5B-SB-4.0-5.0		27		37	
8	SL-192-SA5B-SB-4.0-5.0	18	SL-194-SA5B-SB-4.0-5.0		28		38	
9	SL-203-SA5B-SB-4.0-5.0	19	SL-196-SA5B-SB-4.0-5.0		29		39	
10	SL-203-SA5B-SB-7.5-8.5	20	SL-201-SA5B-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 < 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) ≤ 20% for unlabeled compounds and < 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?	/			

LDC #: 25737024

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: Q
2nd Reviewer: A

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 ≥ 2.5 ?	☒			
Does the maximum intensity of each specified characteristic ion coincide within ± 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

Notes:

Blanks

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

Blank extraction date: 2/9/11

Blank analysis date: 2/15/11

Associated samples: All H₂O (B)

Compound	Blank ID	Sample Identification										
		5X	11									
	BLANKA											
A	0.388 *	1.94										
B	0.582 *	2.91										
C	0.977	4.885										
D	1.28	6.4										
E	0.498 *	2.49										
F	3.54 *	17.7	1.40 */U									
G	8.07	40.35	7.15/U									
I	0.581 *	2.905	0.742 */U									
J	1.07 *	5.35	0.806 */U									
K	1.91	9.55	0.501 */U									
L	1.44	7.2										
N	0.762 *	3.81										
M	0.751	3.755	0.409 */U									
O	1.45	7.25	0.656 */U									
P	3.54 *	17.7										
Q	6.03	30.15	1.83 */U									

* EMPC

ALL RESULTS 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 (EPA Method 1613B)

Blank extraction date: 2/25/11 Blank analysis date: 3/2/11

Conc. units: ng/kg Associated samples: 1-10, 12-18, 21 (B)

Compound	Blank ID	Sample Identification											
		5X	1	2	4	5	6	7	8	9	10	12	13
	BLK046001												
B	0.0370 *	0.185	0.0803 */U	0.0482 */U		0.0315 */U	0.0637/U	0.0307 */U	0.0285 */U	0.150/U	0.0385 */U		0.0815 */U
F	0.157	0.785				0.223/U		0.345/U	0.224/U		0.158/U	0.232/U	
G	0.311	1.555				1.04/U		1.39/U	0.857 */U		0.444/U	1.23/U	
I	0.0123 *	0.0615		0.0287/U		0.0261 */U		0.0193 */U	0.0505 */U		0.0107 */U	0.0256 */U	
J	0.0418 *	0.209	0.0854 */U	0.0745/U	0.122 */U	0.0479 */U	0.160/U	0.0638 */U	0.0578/U		0.0515 */U	0.0449 */U	0.0981 */U
K	0.0660 *	0.33	0.0638 */U	0.163/U	0.185/U		0.221/U	0.0636 */U	0.0354 */U			0.0392 */U	0.252/U
L	0.0243 *	0.1215	0.0761/U	0.0914/U		0.0171 */U	0.0687/U		0.0368 */U			0.0176 */U	0.0654/U
N	0.0336 *	0.168	0.0627 */U	0.0751 */U		0.103/U		0.0642 */U	0.0379 */U		0.0295 */U	0.0253 */U	
M	0.0212 *	0.106	0.0660/U	0.0491 */U		0.0180/U	0.0803/U		0.0208 */U		0.0146 */U	0.0164 */U	0.0494 */U
O	0.0681 *	0.3405				0.0579/U		0.0555 */U	0.0650 */U		0.0371 */U	0.0441/U	0.297 */U
P	0.0345	0.1725	0.109/U	0.0689 */U		0.0292 */U	0.0832/U	0.0855 */U		0.119 */U	0.0570 */U		0.0536/U
Q	0.158 *	0.79				0.150/U		0.159 */U	0.169 */U		0.126 */U	0.147 */U	0.628 */U

* EMPC

ALL RESULTS WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

along > 5x of ND

VALIDATION FINDINGS WORKSHEET Blanks

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

Blank extraction date: 2/25/11 Blank analysis date: 3/2/11

Associated samples: 1-10, 12-18, 21 (B)

Conc. units: ng/kg

Compound	Blank ID	Sample Identification									
		5X	14	15	16	17	18	21			
	BLK046001										
B	0.0370 *	0.185		0.0667 */U	0.158 */U	0.0204 */U					
F	0.157	0.785	0.161 */U	0.485/U		0.191/U	0.177/U	0.466/U			
G	0.311	1.555	0.600/U			0.920/U	0.924/U				
I	0.0123 *	0.0515	0.0176 */U			0.0200 */U	0.0357 */U	0.0147 */U			
J	0.0418 *	0.209	0.0404/U	0.0600 */U		0.0407 */U	0.0297/U	0.0495 */U			
K	0.0660 *	0.33	0.0186 */U	0.0396 */U		0.0199/U	0.0574 */U				
L	0.0243 *	0.1215		0.0416/U	0.121 */U	0.0196 */U	0.0285/U				
N	0.0336 *	0.168	0.0212 */U			0.0405 */U	0.0461 */U	0.0531 */U			
M	0.0212 *	0.106	0.0127/U	0.0443/U		0.0152/U	0.0351 */U	0.0214/U			
O	0.0681 *	0.3405	0.0426 */U	0.104/U		0.0282 */U	0.0405/U	0.0834 */U			
P	0.0345	0.1725		0.0336 */U	0.172 */U		0.0183/U	0.0350 */U			
Q	0.158 *	0.79	0.0875 */U	0.208 */U		0.101 */U	0.0780 */U	0.206/U			

* EMPC

ALL RESULTS WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

OTHERS > 5X or ND

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

Blank extraction date: 2/25/11 Blank analysis date: 3/2/11

Associated samples: 19-20 (B)

Conc. units: ng/kg

Compound	Blank ID	Sample Identification									
		5X	19	20							
	BLK056001										
B	1.01 *	5.05	0.266 */U	0.179 */U							
C	0.756 *	3.78		0.144 */U							
D	0.715 *	3.575	0.221 */U								
E	0.728 *	3.64	0.278 */U	0.279 */U							
F	1.91 *	9.55	0.748 */U	0.352 */U							
G	5.72	28.6	2.96 */U	2.42 */U							
I	0.694 *	3.47		0.209 */U							
J	0.579 *	2.895		0.121 */U							
K	0.719	3.595	0.225 */U	0.131 */U							
L	0.595 *	2.975	0.126 */U	0.0817 */U							
N	1.24	6.2	0.560 */U	0.187 */U							
M	0.739 *	3.695	0.265 */U	0.193 */U							
O	1.22 *	6.1	0.205 */U	0.112 */U							
P	1.03 *	5.15	0.386 */U	0.158 */U							
Q	1.98 *	9.9		0.195 */U							

* EMPC

ALL RESULTS WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

others > 5X

[illegible]

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".

***EMPC**

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

Y/N	N/A	Was the S/N ratio all internal standard peaks > 10?

[illegible]

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".

Y	N	N/A
Y	N	N/A

[illegible]

Comments: See sample calculation verification worksheet for recalculations

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:

$$RRF = (A_s)(C_o)/(A_o)(C_s)$$

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_o = Area of associated internal standard

C_o = Concentration of internal standard

X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				Average RRF (initial)	Average RRF (initial)	RRF (CS3 std)	RRF (CS3 std)	%RSD	%RSD
1	ICAL	3/1/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.984	0.984	1.029	1.029	5.63	5.63
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.075	1.075	1.142	1.142	8.51	8.51
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.965	0.965	1.019	1.019	5.33	5.35
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.047	1.047	1.106	1.106	5.20	5.23
			OCDF (¹³ C-OCDF)	0.962	0.962	1.016	1.016	4.93	4.95
2	ICAL	2/10/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.948	0.948	0.994	0.994	4.96	4.98
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.111	1.111	1.150	1.150	3.91	3.90
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.932	0.932	1.004	1.004	5.81	5.78
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.016	1.016	1.073	1.073	4.18	4.17
			OCDF (¹³ C-OCDF)	0.922	0.922	0.974	0.974	3.52	3.51
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

Page: 1 of 2
Reviewer: [Signature]
2nd Reviewer:

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:

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

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

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)		%R		%R	
1	CS3CC04	3/2/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.984	10.780		10.776		108		108	
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.075	10.820		10.822		108		108	
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.965	53.920		53.924		108		108	
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.047	52.980		52.978		106		106	
			OCDF (¹³ C-OCDF)	0.962	106.170		106.173		106		106	
2	CS3CC04	2/15/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.948	10.470		10.469		105		105	
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.111	10.170		10.165		102		102	
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.932	52.750		52.749		105		105	
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.016	51.390		51.389		103		103	
			OCDF (¹³ C-OCDD)	0.922	103.400		103.401		103		103	
3	CS3CC02	2/21/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.948	10.610		10.607		106		106	
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.111	10.400		10.4000		104		104	
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.932	52.800		52.804		106		106	
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.016	52.480		52.476		105		105	
			OCDF (¹³ C-OCDD)	0.922	103.940		103.935		104		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.

VALIDATION FINDINGS WORKSHEET Routine Calibration Results Verification

Page: 2 of 2
Reviewer:
2nd Reviewer:

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:

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

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

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	
					RRF (CC)	%D	RRF (CC)	%D
1	CS3CC03	2/22/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.948	10.860	109	10.860	109
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.111	10.620	106	10.624	106
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.932	54.320	109	54.322	109
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.016	54.270	109	54.270	109
			OCDF (¹³ C-OCDF)	0.922	107.500	107	107.499	107
2	CS3CC04	2/22/11	2,3,7,8-TCDF (¹³ C-2,3,7,8-TCDF)	0.948	11.040	110	11.037	110
			2,3,7,8-TCDD (¹³ C-2,3,7,8-TCDD)	1.111	10.730	108	10.835	108
			1,2,3,6,7,8-HxCDD (¹³ C-1,2,3,6,7,8-HxCDD)	0.932	54.880	110	54.876	110
			1,2,3,4,6,7,8-HpCDD (¹³ C-1,2,4,6,7,8-HpCDD)	1.016	54.530	109	54.526	109
			OCDF (¹³ C-OCDD)	0.922	106.600	107	106.602	107
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 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: 07R046001

[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.

LDC #:

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer: 9

2nd reviewer: _____

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

✓ NI N/A

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

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

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

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

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 2

$$\text{Conc.} = \frac{(15478)(4000)(1)}{(21638)(0.922)(10)(6.87)} = 2.24 \text{ ng} / \mu\text{g}$$
[illegible]

SAMPLE DELIVERY GROUP

DX046

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-Jan-2011	SL-202-SA5B-SB-4.0-5.0	6194594	N	METHOD	1613B	III
28-Jan-2011	SL-202-SA5B-SB-7.0-8.0	6194595	N	METHOD	1613B	III
31-Jan-2011	SL-195-SA5B-SB-4.0-5.0	6197634	N	METHOD	1613B	III
31-Jan-2011	SL-195-SA5B-SB-4.0-5.0MS	6197635	MS	METHOD	1613B	III
31-Jan-2011	SL-195-SA5B-SB-4.0-5.0MSD	6197636	MSD	METHOD	1613B	III
31-Jan-2011	DUP22-SA5B-QC-013111	6197630	FD	METHOD	1613B	III
31-Jan-2011	SL-200-SA5B-SB-4.0-5.0	6197640	N	METHOD	1613B	III
31-Jan-2011	SL-199-SA5B-SB-4.0-5.0	6197639	N	METHOD	1613B	III
31-Jan-2011	SL-177-SA5B-SB-4.0-5.0	6197633	N	METHOD	1613B	III
31-Jan-2011	SL-197-SA5B-SB-4.0-5.0	6197637	N	METHOD	1613B	III
31-Jan-2011	SL-176-SA5B-SB-4.0-5.0	6197632	N	METHOD	1613B	III
31-Jan-2011	SL-198-SA5B-SB-4.0-5.0	6197638	N	METHOD	1613B	III
31-Jan-2011	SL-175-SA5B-SB-4.0-5.0	6197631	N	METHOD	1613B	III
01-Feb-2011	SL-189-SA5B-SB-3.0-4.0	6196819	N	METHOD	1613B	III
01-Feb-2011	SL-276-SA5B-SB-4.0-5.0	6196822	N	METHOD	1613B	III
01-Feb-2011	SL-188-SA5B-SB-4.0-5.0	6196818	N	METHOD	1613B	III
01-Feb-2011	SL-277-SA5B-SB-2.5-3.5	6196823	N	METHOD	1613B	III
01-Feb-2011	SL-190-SA5B-SB-4.0-5.0	6196820	N	METHOD	1613B	III
01-Feb-2011	SL-187-SA5B-SB-4.0-5.0	6196817	N	METHOD	1613B	III
01-Feb-2011	SL-278-SA5B-SB-2.0-3.0	6196824	N	METHOD	1613B	III
01-Feb-2011	SL-191-SA5B-SB-4.0-5.0	6196821	N	METHOD	1613B	III
01-Feb-2011	SL-279-SA5B-SB-2.5-3.5	6196825	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP22-SA5B-QC-013111

Collected: 1/31/2011 9:36:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.229	JBQ	0.0409	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0468	JB	0.0117	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0315	U	0.0315	MDL	5.69	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HXCDF	0.0278	JB	0.0172	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0781	JBQ	0.0244	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0190	JBQ	0.0122	MDL	5.69	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.145	JB	0.0222	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0783	JBQ	0.0190	MDL	5.69	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0288	U	0.0288	MDL	5.69	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDF	0.0147	U	0.0147	MDL	5.69	PQL	ng/Kg	UJ	FD
2,3,4,6,7,8-HXCDF	0.0159	JBQ	0.0142	MDL	5.69	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0312	JBQ	0.0167	MDL	5.69	PQL	ng/Kg	UJ	B, FD
OCDD	0.545	JBQ	0.0360	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.123	JBQ	0.0981	MDL	11.4	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-175-SA5B-SB-4.0-5.0

Collected: 1/31/2011 4:06:00

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-HPCDF	0.200	JB	0.0146	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0409	JBQ	0.0382	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0599	JBQ	0.0354	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.216	JBQ	0.0257	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.227	JB	0.0365	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0374	JB	0.0190	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.195	JB	0.0334	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0590	JBQ	0.0315	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0462	JBQ	0.0254	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0457	JB	0.0152	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0400	JBQ	0.0247	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.102	JBQ	0.0183	MDL	5.72	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0404	JBQ	0.0260	MDL	1.14	PQL	ng/Kg	U	B
OCDF	0.531	JBQ	0.0805	MDL	11.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-176-SA5B-SB-4.0-5.0

Collected: 1/31/2011 3:04:00

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	1.18	JBQ	0.0540	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.154	JB	0.0111	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0379	JBQ	0.0333	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0808	JBQ	0.0199	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0833	JBQ	0.0312	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0330	JBQ	0.0138	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0836	JB	0.0321	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0438	JBQ	0.0228	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0729	JBQ	0.0179	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0438	JBQ	0.0169	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.132	JB	0.0214	MDL	5.78	PQL	ng/Kg	U	B
OCDD	9.01	JB	0.0364	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.351	JBQ	0.0773	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-177-SA5B-SB-4.0-5.0

Collected: 1/31/2011 2:04:00

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	0.192	JB	0.0286	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0437	JB	0.00666	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0266	JB	0.0180	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0254	JBQ	0.0221	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0668	JB	0.0124	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0437	JBQ	0.0216	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0470	JBQ	0.00841	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0545	JBQ	0.0210	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0576	JBQ	0.0157	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0918	JBQ	0.0196	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0874	JBQ	0.0117	MDL	5.84	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0317	JBQ	0.0114	MDL	5.84	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0948	JB	0.0134	MDL	5.84	PQL	ng/Kg	U	B
OCDD	0.654	JB	0.0287	MDL	11.7	PQL	ng/Kg	U	B
OCDF	0.232	JBQ	0.0665	MDL	11.7	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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ADR version 1.4.0.111

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-187-SA5B-SB-4.0-5.0

Collected: 2/1/2011 12:23:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.136	JBQ	0.0231	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0697	JBQ	0.00888	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0402	JB	0.0147	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0202	JBQ	0.0165	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0215	JB	0.00984	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0348	JBQ	0.0155	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0105	JB	0.00845	MDL	5.35	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0122	JBQ	0.0114	MDL	5.35	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0345	JBQ	0.00930	MDL	5.35	PQL	ng/Kg	U	B
OCDD	0.468	JBQ	0.0248	MDL	10.7	PQL	ng/Kg	U	B
OCDF	0.170	JBQ	0.0443	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-188-SA5B-SB-4.0-5.0

Collected: 2/1/2011 10:14:00

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-HPCDD	0.154	JB	0.0312	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0449	JBQ	0.00805	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0382	JBQ	0.0112	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0243	JBQ	0.00850	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0310	JBQ	0.0216	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0145	JBQ	0.0107	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0122	JBQ	0.0101	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0405	JBQ	0.0119	MDL	5.59	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0254	JB	0.0234	MDL	1.12	PQL	ng/Kg	U	B
OCDD	0.446	JB	0.0265	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-189-SA5B-SB-3.0-4.0

Collected: 2/1/2011 9:04:00 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	0.172	JB	0.0252	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0293	JB	0.00810	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0261	JBQ	0.0148	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0250	JBQ	0.0162	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0183	JBQ	0.0153	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0143	JBQ	0.0117	MDL	5.47	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 10:58:23 AM

ADR version 1.4.0.111

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-189-SA5B-SB-3.0-4.0

Collected: 2/1/2011 9:04:00 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	0.0237	JBQ	0.0198	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0109	JBQ	0.00952	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0105	JBQ	0.00996	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0513	JB	0.0113	MDL	5.47	PQL	ng/Kg	U	B
OCDD	0.374	JB	0.0269	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.0959	JBQ	0.0461	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-190-SA5B-SB-4.0-5.0

Collected: 2/1/2011 11:26:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.142	JBQ	0.0297	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0795	JB	0.0121	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0291	JBQ	0.0207	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0411	JBQ	0.0163	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0435	JBQ	0.0217	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0443	JBQ	0.0120	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0260	JBQ	0.0203	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0562	JBQ	0.0231	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0535	JB	0.0108	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0447	JB	0.0129	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0859	JBQ	0.0119	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0294	JBQ	0.0254	MDL	1.13	PQL	ng/Kg	U	B
OCDD	0.431	JB	0.0298	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.110	JBQ	0.0560	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-191-SA5B-SB-4.0-5.0

Collected: 2/1/2011 2:42:00 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	0.228	JB	0.0351	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.105	JBQ	0.0142	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.142	JBQ	0.0234	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0683	JB	0.0272	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0961	JB	0.0265	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.141	JB	0.0258	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.113	JB	0.0172	MDL	5.43	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-191-SA5B-SB-4.0-5.0

Collected: 2/1/2011 2:42:00 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	0.215	JB	0.0250	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.137	JB	0.0222	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.190	JBQ	0.0259	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.169	JBQ	0.0120	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0698	JBQ	0.0167	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.179	JBQ	0.0141	MDL	5.43	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0329	JBQ	0.0253	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0557	JBQ	0.0270	MDL	1.09	PQL	ng/Kg	U	B
OCDD	0.537	JBQ	0.0287	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.324	JBQ	0.0623	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-195-SA5B-SB-4.0-5.0

Collected: 1/31/2011 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
1,2,3,4,6,7,8-HPCDD	0.172	JB	0.0267	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0567	JBQ	0.00749	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0325	JBQ	0.0184	MDL	5.76	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HXCDF	0.0447	JB	0.0142	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.128	JBQ	0.0232	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0487	JB	0.0101	MDL	5.76	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.198	JB	0.0225	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.145	JBQ	0.0180	MDL	5.76	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0769	JB	0.0184	MDL	5.76	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.132	JBQ	0.00979	MDL	5.76	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.0397	JB	0.0135	MDL	5.76	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0997	JBQ	0.0121	MDL	5.76	PQL	ng/Kg	UJ	B, FD
OCDD	0.758	JB	0.0238	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.220	JBQ	0.0584	MDL	11.5	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-197-SA5B-SB-4.0-5.0

Collected: 1/31/2011 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-HPCDD	0.519	JB	0.0423	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.274	JB	0.0147	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.485	JB	0.0459	MDL	5.60	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-197-SA5B-SB-4.0-5.0

Collected: 1/31/2011 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
1,2,3,4,7,8-HxCDD	0.251	JB	0.0337	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.252	JBQ	0.0349	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.251	JB	0.0343	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.240	JB	0.0216	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.362	JBQ	0.0330	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.496	JB	0.0471	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.317	JBQ	0.0287	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.289	JB	0.0157	MDL	5.60	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.307	JB	0.0295	MDL	5.60	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.340	JB	0.0194	MDL	5.60	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0625	JBQ	0.0338	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0616	JB	0.0355	MDL	1.12	PQL	ng/Kg	U	B
OCDD	1.35	JB	0.0422	MDL	11.2	PQL	ng/Kg	U	B
OCDF	1.21	JB	0.116	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-198-SA5B-SB-4.0-5.0

Collected: 1/31/2011 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	0.261	JBQ	0.0388	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0863	JB	0.0112	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.111	JBQ	0.0307	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0258	JBQ	0.0232	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0576	JBQ	0.0171	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0436	JBQ	0.0240	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0509	JBQ	0.0118	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0663	JBQ	0.0227	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0972	JBQ	0.0210	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0793	JBQ	0.0246	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0725	JBQ	0.0118	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0520	JBQ	0.0154	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0720	JB	0.0140	MDL	5.64	PQL	ng/Kg	U	B
OCDD	0.581	JB	0.0310	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.303	JBQ	0.0736	MDL	11.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-199-SA5B-SB-4.0-5.0

Collected: 1/31/2011 12:43:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.238	JBQ	0.0331	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0699	JB	0.00854	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0923	JBQ	0.0197	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0397	JBQ	0.0180	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0506	JBQ	0.0140	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0256	JBQ	0.0188	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0368	JBQ	0.00980	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0524	JBQ	0.0180	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0524	JBQ	0.0181	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0222	JBQ	0.0110	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0348	JBQ	0.0136	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0519	JBQ	0.0123	MDL	5.77	PQL	ng/Kg	U	B
OCDD	0.892	JB	0.0333	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.184	JBQ	0.0579	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-200-SA5B-SB-4.0-5.0

Collected: 1/31/2011 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	0.189	JBQ	0.0578	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0664	JBQ	0.0159	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0544	JBQ	0.0256	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0678	JBQ	0.0373	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0320	JB	0.0173	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.120	JB	0.0365	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.108	JB	0.0380	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0291	JBQ	0.0182	MDL	5.76	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0608	JB	0.0235	MDL	5.76	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0619	JBQ	0.0220	MDL	5.76	PQL	ng/Kg	U	B
OCDD	0.553	JBQ	0.0551	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.180	JBQ	0.121	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-202-SA5B-SB-4.0-5.0

Collected: 1/28/2011 2:44:00

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	0.159	JBQ	0.0309	MDL	5.70	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-202-SA5B-SB-4.0-5.0

Collected: 1/28/2011 2:44:00

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-HPCDF	0.0728	JBQ	0.0106	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0281	JBQ	0.0160	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0202	JBQ	0.0171	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0314	JBQ	0.0161	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0233	JBQ	0.0176	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0238	JBQ	0.0113	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0282	JB	0.0176	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0392	JBQ	0.0147	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0354	JB	0.0222	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0193	JB	0.0107	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0249	JBQ	0.0112	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0504	JBQ	0.0113	MDL	5.70	PQL	ng/Kg	U	B
OCDD	0.442	JBQ	0.0300	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.154	JBQ	0.0454	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-202-SA5B-SB-7.0-8.0

Collected: 1/28/2011 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	0.276	JB	0.0315	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0736	JB	0.0154	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0313	JBQ	0.0165	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0395	JBQ	0.0203	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0293	JBQ	0.0146	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0360	JBQ	0.0174	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0298	JBQ	0.0200	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0276	JBQ	0.0104	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0311	JBQ	0.0107	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0489	JBQ	0.0112	MDL	5.43	PQL	ng/Kg	U	B
OCDD	1.48	JB	0.0323	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.168	JBQ	0.0464	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-276-SA5B-SB-4.0-5.0

Collected: 2/1/2011 9:48:00 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	0.223	JB	0.0443	MDL	5.46	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 10:58:23 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-276-SA5B-SB-4.0-5.0

Collected: 2/1/2011 9:48:00 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	0.0830	JB	0.0103	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0810	JBQ	0.0249	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0457	JBQ	0.0259	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0437	JB	0.0206	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0784	JB	0.0260	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0751	JBQ	0.0147	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.146	JBQ	0.0261	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.130	JBQ	0.0254	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0973	JBQ	0.0285	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.110	JB	0.0133	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0410	JBQ	0.0191	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.112	JB	0.0158	MDL	5.46	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0338	JBQ	0.0322	MDL	1.09	PQL	ng/Kg	U	B
OCDD	0.559	JB	0.0395	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.235	JBQ	0.0926	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-277-SA5B-SB-2.5-3.5

Collected: 2/1/2011 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	0.242	JB	0.0370	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0593	JBQ	0.00909	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0435	JBQ	0.0175	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0224	JBQ	0.0195	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0451	JBQ	0.0145	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0408	JBQ	0.0209	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0243	JBQ	0.0109	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0641	JBQ	0.0204	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0545	JB	0.0167	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0338	JBQ	0.0110	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0396	JBQ	0.0147	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0619	JBQ	0.0116	MDL	5.61	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0311	JBQ	0.0253	MDL	1.12	PQL	ng/Kg	U	B
OCDD	1.49	JB	0.0247	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.143	JB	0.0565	MDL	11.2	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-278-SA5B-SB-2.0-3.0

Collected: 2/1/2011 1:28:00 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	0.533	JBQ	0.0420	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.100	JB	0.0109	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0298	JBQ	0.0222	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0252	JBQ	0.0131	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.115	JBQ	0.0257	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0414	JBQ	0.00967	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0964	JBQ	0.0251	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0392	JB	0.0165	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0258	JBQ	0.0118	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0173	JBQ	0.0120	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0567	JBQ	0.0134	MDL	5.49	PQL	ng/Kg	U	B
OCDD	5.02	JB	0.0377	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.209	JBQ	0.0555	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-279-SA5B-SB-2.5-3.5

Collected: 2/1/2011 2:57:00 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	0.189	JBQ	0.0335	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0554	JBQ	0.0110	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0371	JBQ	0.0145	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0230	JBQ	0.0188	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0147	JBQ	0.0106	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0390	JBQ	0.0194	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0115	JBQ	0.0102	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0174	JBQ	0.0135	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0627	JBQ	0.0122	MDL	5.51	PQL	ng/Kg	U	B
OCDD	0.906	JB	0.0282	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.116	JB	0.0609	MDL	11.0	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_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
<i>*#</i>	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
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX046

Method Blank Outlier Report

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370116	2/16/2011 1:16:00 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	0.174 ng/Kg 0.0900 ng/Kg 0.0688 ng/Kg 0.0358 ng/Kg 0.0430 ng/Kg 0.0308 ng/Kg 0.0232 ng/Kg 0.0286 ng/Kg 0.0808 ng/Kg 0.0443 ng/Kg 0.0365 ng/Kg 0.0444 ng/Kg 0.0628 ng/Kg 0.0355 ng/Kg 0.0315 ng/Kg 0.352 ng/Kg 0.294 ng/Kg	DUP22-SA5B-QC-013111 SL-175-SA5B-SB-4.0-5.0 SL-176-SA5B-SB-4.0-5.0 SL-177-SA5B-SB-4.0-5.0 SL-187-SA5B-SB-4.0-5.0 SL-188-SA5B-SB-4.0-5.0 SL-189-SA5B-SB-3.0-4.0 SL-190-SA5B-SB-4.0-5.0 SL-191-SA5B-SB-4.0-5.0 SL-195-SA5B-SB-4.0-5.0 SL-197-SA5B-SB-4.0-5.0 SL-198-SA5B-SB-4.0-5.0 SL-199-SA5B-SB-4.0-5.0 SL-200-SA5B-SB-4.0-5.0 SL-202-SA5B-SB-4.0-5.0 SL-202-SA5B-SB-7.0-8.0 SL-276-SA5B-SB-4.0-5.0 SL-277-SA5B-SB-2.5-3.5 SL-278-SA5B-SB-2.0-3.0 SL-279-SA5B-SB-2.5-3.5

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
DUP22-SA5B-QC-013111(RES)	1,2,3,4,6,7,8-HPCDD	0.229 ng/Kg	0.229U ng/Kg
DUP22-SA5B-QC-013111(RES)	1,2,3,4,6,7,8-HPCDF	0.0468 ng/Kg	0.0468U ng/Kg
DUP22-SA5B-QC-013111(RES)	1,2,3,4,7,8-HxCDF	0.0278 ng/Kg	0.0278U ng/Kg
DUP22-SA5B-QC-013111(RES)	1,2,3,6,7,8-HxCDD	0.0781 ng/Kg	0.0781U ng/Kg
DUP22-SA5B-QC-013111(RES)	1,2,3,6,7,8-HxCDF	0.0190 ng/Kg	0.0190U ng/Kg
DUP22-SA5B-QC-013111(RES)	1,2,3,7,8,9-HxCDF	0.0783 ng/Kg	0.0783U ng/Kg
DUP22-SA5B-QC-013111(RES)	2,3,4,6,7,8-HxCDF	0.0159 ng/Kg	0.0159U ng/Kg
DUP22-SA5B-QC-013111(RES)	2,3,4,7,8-PECDF	0.0312 ng/Kg	0.0312U ng/Kg
DUP22-SA5B-QC-013111(RES)	OCDD	0.545 ng/Kg	0.545U ng/Kg
DUP22-SA5B-QC-013111(RES)	OCDF	0.123 ng/Kg	0.123U ng/Kg
SL-175-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.200 ng/Kg	0.200U ng/Kg
SL-175-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0409 ng/Kg	0.0409U ng/Kg
SL-175-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0599 ng/Kg	0.0599U ng/Kg
SL-175-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0374 ng/Kg	0.0374U ng/Kg
SL-175-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0590 ng/Kg	0.0590U ng/Kg
SL-175-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0462 ng/Kg	0.0482U ng/Kg
SL-175-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0457 ng/Kg	0.0457U ng/Kg
SL-175-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0400 ng/Kg	0.0400U ng/Kg
SL-175-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
SL-175-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0404 ng/Kg	0.0404U ng/Kg
SL-175-SA5B-SB-4.0-5.0(RES)	OCDF	0.531 ng/Kg	0.531U ng/Kg
SL-176-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.154 ng/Kg	0.154U ng/Kg
SL-176-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0379 ng/Kg	0.0379U ng/Kg
SL-176-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0808 ng/Kg	0.0808U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 10:51:48 AM

ADR version 1.4.0.111

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Method Blank Outlier Report

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_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-176-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0833 ng/Kg	0.0833U ng/Kg
SL-176-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0330 ng/Kg	0.0330U ng/Kg
SL-176-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0836 ng/Kg	0.0836U ng/Kg
SL-176-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0438 ng/Kg	0.0438U ng/Kg
SL-176-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0729 ng/Kg	0.0729U ng/Kg
SL-176-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0438 ng/Kg	0.0438U ng/Kg
SL-176-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.132 ng/Kg	0.132U ng/Kg
SL-176-SA5B-SB-4.0-5.0(RES)	OCDF	0.351 ng/Kg	0.351U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.192 ng/Kg	0.192U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0437 ng/Kg	0.0437U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0266 ng/Kg	0.0266U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0254 ng/Kg	0.0254U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0668 ng/Kg	0.0668U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0437 ng/Kg	0.0437U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0470 ng/Kg	0.0470U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0545 ng/Kg	0.0545U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0576 ng/Kg	0.0576U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0918 ng/Kg	0.0918U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0874 ng/Kg	0.0874U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0317 ng/Kg	0.0317U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0948 ng/Kg	0.0948U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	OCDD	0.654 ng/Kg	0.654U ng/Kg
SL-177-SA5B-SB-4.0-5.0(RES)	OCDF	0.232 ng/Kg	0.232U ng/Kg
SL-187-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.136 ng/Kg	0.136U ng/Kg
SL-187-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0697 ng/Kg	0.0697U ng/Kg
SL-187-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0402 ng/Kg	0.0402U ng/Kg
SL-187-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0202 ng/Kg	0.0202U ng/Kg
SL-187-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0215 ng/Kg	0.0215U ng/Kg
SL-187-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0348 ng/Kg	0.0348U ng/Kg
SL-187-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0105 ng/Kg	0.0105U ng/Kg
SL-187-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0122 ng/Kg	0.0122U ng/Kg
SL-187-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0345 ng/Kg	0.0345U ng/Kg
SL-187-SA5B-SB-4.0-5.0(RES)	OCDD	0.468 ng/Kg	0.468U ng/Kg
SL-187-SA5B-SB-4.0-5.0(RES)	OCDF	0.170 ng/Kg	0.170U ng/Kg
SL-188-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.154 ng/Kg	0.154U ng/Kg
SL-188-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0449 ng/Kg	0.0449U ng/Kg
SL-188-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0382 ng/Kg	0.0382U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_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-188-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0243 ng/Kg	0.0243U ng/Kg
SL-188-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0310 ng/Kg	0.0310U ng/Kg
SL-188-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0145 ng/Kg	0.0145U ng/Kg
SL-188-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0122 ng/Kg	0.0122U ng/Kg
SL-188-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0405 ng/Kg	0.0405U ng/Kg
SL-188-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0254 ng/Kg	0.0254U ng/Kg
SL-188-SA5B-SB-4.0-5.0(RES)	OCDD	0.446 ng/Kg	0.446U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.172 ng/Kg	0.172U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0293 ng/Kg	0.0293U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0261 ng/Kg	0.0261U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDD	0.0250 ng/Kg	0.0250U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.0183 ng/Kg	0.0183U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0143 ng/Kg	0.0143U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDD	0.0237 ng/Kg	0.0237U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0109 ng/Kg	0.0109U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0105 ng/Kg	0.0105U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0513 ng/Kg	0.0513U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	OCDD	0.374 ng/Kg	0.374U ng/Kg
SL-189-SA5B-SB-3.0-4.0(RES)	OCDF	0.0959 ng/Kg	0.0959U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.142 ng/Kg	0.142U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0795 ng/Kg	0.0795U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0291 ng/Kg	0.0291U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0411 ng/Kg	0.0411U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0435 ng/Kg	0.0435U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0443 ng/Kg	0.0443U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0260 ng/Kg	0.0260U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0562 ng/Kg	0.0562U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0535 ng/Kg	0.0535U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0447 ng/Kg	0.0447U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0859 ng/Kg	0.0859U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0294 ng/Kg	0.0294U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	OCDD	0.431 ng/Kg	0.431U ng/Kg
SL-190-SA5B-SB-4.0-5.0(RES)	OCDF	0.110 ng/Kg	0.110U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.228 ng/Kg	0.228U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.105 ng/Kg	0.105U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.142 ng/Kg	0.142U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0683 ng/Kg	0.0683U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_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-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0961 ng/Kg	0.0961U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.141 ng/Kg	0.141U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.113 ng/Kg	0.113U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.137 ng/Kg	0.137U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.190 ng/Kg	0.190U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.169 ng/Kg	0.169U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0698 ng/Kg	0.0698U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.179 ng/Kg	0.179U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0329 ng/Kg	0.0329U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0557 ng/Kg	0.0557U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	OCDD	0.537 ng/Kg	0.537U ng/Kg
SL-191-SA5B-SB-4.0-5.0(RES)	OCDF	0.324 ng/Kg	0.324U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.172 ng/Kg	0.172U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0567 ng/Kg	0.0567U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0325 ng/Kg	0.0325U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0447 ng/Kg	0.0447U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.128 ng/Kg	0.128U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0487 ng/Kg	0.0487U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.145 ng/Kg	0.145U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0769 ng/Kg	0.0769U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.132 ng/Kg	0.132U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0397 ng/Kg	0.0397U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0997 ng/Kg	0.0997U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	OCDD	0.758 ng/Kg	0.758U ng/Kg
SL-195-SA5B-SB-4.0-5.0(RES)	OCDF	0.220 ng/Kg	0.220U ng/Kg
SL-197-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.519 ng/Kg	0.519U ng/Kg
SL-197-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.274 ng/Kg	0.274U ng/Kg
SL-197-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0625 ng/Kg	0.0625U ng/Kg
SL-197-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0616 ng/Kg	0.0616U ng/Kg
SL-197-SA5B-SB-4.0-5.0(RES)	OCDD	1.35 ng/Kg	1.35U ng/Kg
SL-197-SA5B-SB-4.0-5.0(RES)	OCDF	1.21 ng/Kg	1.21U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.261 ng/Kg	0.261U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0863 ng/Kg	0.0863U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.111 ng/Kg	0.111U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0258 ng/Kg	0.0258U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0576 ng/Kg	0.0576U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0436 ng/Kg	0.0436U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_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-198-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0509 ng/Kg	0.0509U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0663 ng/Kg	0.0663U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0972 ng/Kg	0.0972U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0793 ng/Kg	0.0793U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0725 ng/Kg	0.0725U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0520 ng/Kg	0.0520U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0720 ng/Kg	0.0720U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	OCDD	0.581 ng/Kg	0.581U ng/Kg
SL-198-SA5B-SB-4.0-5.0(RES)	OCDF	0.303 ng/Kg	0.303U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.238 ng/Kg	0.238U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0699 ng/Kg	0.0699U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0923 ng/Kg	0.0923U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0397 ng/Kg	0.0397U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0506 ng/Kg	0.0506U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0256 ng/Kg	0.0256U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0368 ng/Kg	0.0368U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0524 ng/Kg	0.0524U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0524 ng/Kg	0.0524U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0222 ng/Kg	0.0222U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0348 ng/Kg	0.0348U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0519 ng/Kg	0.0519U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	OCDD	0.892 ng/Kg	0.892U ng/Kg
SL-199-SA5B-SB-4.0-5.0(RES)	OCDF	0.184 ng/Kg	0.184U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.189 ng/Kg	0.189U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0664 ng/Kg	0.0664U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0544 ng/Kg	0.0544U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0678 ng/Kg	0.0678U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0320 ng/Kg	0.0320U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.120 ng/Kg	0.120U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.108 ng/Kg	0.108U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0291 ng/Kg	0.0291U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0608 ng/Kg	0.0608U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0619 ng/Kg	0.0619U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	OCDD	0.553 ng/Kg	0.553U ng/Kg
SL-200-SA5B-SB-4.0-5.0(RES)	OCDF	0.180 ng/Kg	0.180U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.159 ng/Kg	0.159U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0728 ng/Kg	0.0728U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_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-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0281 ng/Kg	0.0281U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0202 ng/Kg	0.0202U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0314 ng/Kg	0.0314U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0233 ng/Kg	0.0233U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0238 ng/Kg	0.0238U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0282 ng/Kg	0.0282U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0392 ng/Kg	0.0392U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0354 ng/Kg	0.0354U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0193 ng/Kg	0.0193U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0249 ng/Kg	0.0249U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0504 ng/Kg	0.0504U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	OCDD	0.442 ng/Kg	0.442U ng/Kg
SL-202-SA5B-SB-4.0-5.0(RES)	OCDF	0.154 ng/Kg	0.154U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDD	0.276 ng/Kg	0.276U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0736 ng/Kg	0.0736U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0313 ng/Kg	0.0313U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HxCDD	0.0395 ng/Kg	0.0395U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HxCDF	0.0293 ng/Kg	0.0293U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HxCDD	0.0360 ng/Kg	0.0360U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDD	0.0298 ng/Kg	0.0298U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.0276 ng/Kg	0.0276U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	2,3,4,6,7,8-HxCDF	0.0311 ng/Kg	0.0311U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0489 ng/Kg	0.0489U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	OCDD	1.48 ng/Kg	1.48U ng/Kg
SL-202-SA5B-SB-7.0-8.0(RES)	OCDF	0.168 ng/Kg	0.168U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.223 ng/Kg	0.223U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0830 ng/Kg	0.0830U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0810 ng/Kg	0.0810U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0457 ng/Kg	0.0457U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0437 ng/Kg	0.0437U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0784 ng/Kg	0.0784U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0751 ng/Kg	0.0751U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.130 ng/Kg	0.130U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0973 ng/Kg	0.0973U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.110 ng/Kg	0.110U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0410 ng/Kg	0.0410U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.112 ng/Kg	0.112U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_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-276-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0338 ng/Kg	0.0338U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	OCDD	0.559 ng/Kg	0.559U ng/Kg
SL-276-SA5B-SB-4.0-5.0(RES)	OCDF	0.235 ng/Kg	0.235U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.242 ng/Kg	0.242U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0593 ng/Kg	0.0593U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0435 ng/Kg	0.0435U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HxCDD	0.0224 ng/Kg	0.0224U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HxCDF	0.0451 ng/Kg	0.0451U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HxCDD	0.0408 ng/Kg	0.0408U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HxCDF	0.0243 ng/Kg	0.0243U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HxCDD	0.0641 ng/Kg	0.0641U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HxCDF	0.0545 ng/Kg	0.0545U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.0338 ng/Kg	0.0338U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HxCDF	0.0396 ng/Kg	0.0396U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.0619 ng/Kg	0.0619U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	2,3,7,8-TCDF	0.0311 ng/Kg	0.0311U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	OCDD	1.49 ng/Kg	1.49U ng/Kg
SL-277-SA5B-SB-2.5-3.5(RES)	OCDF	0.143 ng/Kg	0.143U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.533 ng/Kg	0.533U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.100 ng/Kg	0.100U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDF	0.0252 ng/Kg	0.0252U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	1,2,3,8,7,8-HxCDD	0.115 ng/Kg	0.115U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDF	0.0414 ng/Kg	0.0414U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HxCDD	0.0984 ng/Kg	0.0984U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HxCDF	0.0392 ng/Kg	0.0392U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0258 ng/Kg	0.0258U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HxCDF	0.0173 ng/Kg	0.0173U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0567 ng/Kg	0.0567U ng/Kg
SL-278-SA5B-SB-2.0-3.0(RES)	OCDF	0.209 ng/Kg	0.209U ng/Kg
SL-279-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.189 ng/Kg	0.189U ng/Kg
SL-279-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0554 ng/Kg	0.0554U ng/Kg
SL-279-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HxCDF	0.0371 ng/Kg	0.0371U ng/Kg
SL-279-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HxCDD	0.0230 ng/Kg	0.0230U ng/Kg
SL-279-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HxCDF	0.0147 ng/Kg	0.0147U ng/Kg
SL-279-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HxCDF	0.0390 ng/Kg	0.0390U ng/Kg
SL-279-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.0115 ng/Kg	0.0115U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_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-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.0174 ng/Kg	0.0174U ng/Kg
SL-279-SA5B-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.0627 ng/Kg	0.0627U ng/Kg
SL-279-SA5B-SB-2.5-3.5(RES)	OCDD	0.906 ng/Kg	0.906U ng/Kg
SL-279-SA5B-SB-2.5-3.5(RES)	OCDF	0.116 ng/Kg	0.116U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-195-SA5B-SB-4.0-5.0	DUP22-SA5B-QC-013111			
MOISTURE	13.2	12.2	8		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-195-SA5B-SB-4.0-5.0	DUP22-SA5B-QC-013111			
1,2,3,4,6,7,8-HPCDD	0.172	0.229	28	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.0567	0.0468	19	50.00	
1,2,3,4,7,8-HXCDF	0.0447	0.0278	47	50.00	
1,2,3,6,7,8-HXCDD	0.128	0.0781	48	50.00	
1,2,3,7,8,9-HXCDD	0.198	0.145	31	50.00	
OCDD	0.758	0.545	33	50.00	
1,2,3,4,7,8,9-HPCDF	0.0325	5.69 U	200	50.00	J(all detects) UJ(all non-detects)
1,2,3,6,7,8-HXCDF	0.0487	0.0190	88	50.00	
1,2,3,7,8,9-HXCDF	0.145	0.0783	60	50.00	
1,2,3,7,8-PECDD	0.0769	5.69 U	200	50.00	
1,2,3,7,8-PECDF	0.132	5.69 U	200	50.00	
2,3,4,6,7,8-HXCDF	0.0397	0.0159	86	50.00	
2,3,4,7,8-PECDF	0.0997	0.0312	105	50.00	
OCDF	0.220	0.123	57	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP22-SA5B-QC-013111	1,2,3,4,6,7,8-HPCDD	JBQ	0.229	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0468	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0278	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0781	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0190	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.145	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0783	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0159	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0312	5.69	PQL	ng/Kg	
	OCDD	JBQ	0.545	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.123	11.4	PQL	ng/Kg	
SL-175-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	0.200	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0409	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0599	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.216	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.227	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0374	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.195	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0590	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0462	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0457	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0400	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.102	5.72	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0404	1.14	PQL	ng/Kg	
	OCDF	JBQ	0.531	11.4	PQL	ng/Kg	
SL-176-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	1.18	5.78	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.154	5.78	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0379	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0808	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0833	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0330	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0836	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0438	5.78	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0729	5.78	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0438	5.78	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.132	5.78	PQL	ng/Kg	
	OCDD	JB	9.01	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.351	11.6	PQL	ng/Kg	
SL-177-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.192	5.84	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0437	5.84	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0266	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0254	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0668	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0437	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0470	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0545	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0576	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0918	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0874	5.84	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0317	5.84	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0948	5.84	PQL	ng/Kg	
	OCDD	JB	0.654	11.7	PQL	ng/Kg	
	OCDF	JBQ	0.232	11.7	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-187-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.136	5.35	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0697	5.35	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0402	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0202	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0215	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0348	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0105	5.35	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0122	5.35	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0345	5.35	PQL	ng/Kg	
	OCDD	JBQ	0.468	10.7	PQL	ng/Kg	
	OCDF	JBQ	0.170	10.7	PQL	ng/Kg	
SL-188-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.154	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0449	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0382	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0243	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0310	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0145	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0122	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0405	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0254	1.12	PQL	ng/Kg	
	OCDD	JB	0.446	11.2	PQL	ng/Kg	
SL-189-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.172	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0293	5.47	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0261	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0250	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0183	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0143	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0237	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0109	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0105	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0513	5.47	PQL	ng/Kg	
	OCDD	JB	0.374	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.0959	10.9	PQL	ng/Kg	
SL-190-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.142	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0795	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0291	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0411	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0435	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0443	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0260	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0562	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0535	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0447	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0859	5.64	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0294	1.13	PQL	ng/Kg	
	OCDD	JB	0.431	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.110	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-191-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.228	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.105	5.43	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.142	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0683	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0961	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.141	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.113	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.215	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.137	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.190	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.169	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0698	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.179	5.43	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0329	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0557	1.09	PQL	ng/Kg	
	OCDD	JBQ	0.537	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.324	10.9	PQL	ng/Kg	
SL-195-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.172	5.76	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0567	5.76	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0325	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0447	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.128	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0487	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.198	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.145	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0769	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.132	5.76	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0397	5.76	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0997	5.76	PQL	ng/Kg	
	OCDD	JB	0.758	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.220	11.5	PQL	ng/Kg	
SL-197-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.519	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.274	5.60	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.485	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.251	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.252	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.251	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.240	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.362	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.496	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.317	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.289	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.307	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.340	5.60	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0625	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0616	1.12	PQL	ng/Kg	
	OCDD	JB	1.35	11.2	PQL	ng/Kg	
	OCDF	JB	1.21	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-198-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.261	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0863	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.111	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0258	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0576	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0436	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0509	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0663	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0972	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0793	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0725	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0520	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0720	5.64	PQL	ng/Kg	
	OCDD	JB	0.581	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.303	11.3	PQL	ng/Kg	
SL-199-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.238	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0699	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0923	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0397	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0506	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0256	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0368	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0524	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0524	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0222	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0348	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0519	5.77	PQL	ng/Kg	
	OCDD	JB	0.892	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.184	11.5	PQL	ng/Kg	
SL-200-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.189	5.76	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0664	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0544	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0678	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0320	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.120	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.108	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0291	5.76	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0608	5.76	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0619	5.76	PQL	ng/Kg	
	OCDD	JBQ	0.553	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.180	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-202-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.159	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0728	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0281	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0202	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0314	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0233	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0238	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0282	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0392	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0354	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0193	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0249	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0504	5.70	PQL	ng/Kg	
	OCDD	JBQ	0.442	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.154	11.4	PQL	ng/Kg	
SL-202-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JB	0.276	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0736	5.43	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0313	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0395	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0293	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0360	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0298	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0276	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0311	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0489	5.43	PQL	ng/Kg	
	OCDD	JB	1.48	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.168	10.9	PQL	ng/Kg	
SL-276-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.223	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0830	5.46	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0810	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0457	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0437	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0784	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0751	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.146	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.130	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0973	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.110	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0410	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.112	5.46	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0338	1.09	PQL	ng/Kg	
	OCDD	JB	0.559	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.235	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX046

Laboratory: LL

EDD Filename: DX046_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-277-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	0.242	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0593	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HPCDF	JBQ	0.0435	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0224	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0451	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0408	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0243	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0641	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0545	5.61	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JBQ	0.0338	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0396	5.61	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.0619	5.61	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0311	1.12	PQL	ng/Kg	
	OCDD	JB	1.49	11.2	PQL	ng/Kg	
	OCDF	JB	0.143	11.2	PQL	ng/Kg	
SL-278-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.533	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.100	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0298	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0252	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.115	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0414	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0964	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0392	5.49	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JBQ	0.0258	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0173	5.49	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.0567	5.49	PQL	ng/Kg	
	OCDD	JB	5.02	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.209	11.0	PQL	ng/Kg	
SL-279-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.189	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0554	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0371	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0230	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0147	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0390	5.51	PQL	ng/Kg	
	1,2,3,7,8-PCDF	JBQ	0.0115	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0174	5.51	PQL	ng/Kg	
	2,3,4,7,8-PCDF	JBQ	0.0627	5.51	PQL	ng/Kg	
	OCDD	JB	0.906	11.0	PQL	ng/Kg	
	OCDF	JB	0.116	11.0	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX047

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
02-Feb-2011	SL-275-SA5B-SB-3.5-4.5	6197656	N	METHOD	1613B	III
02-Feb-2011	SL-173-SA5B-SB-2.0-3.0	6197654	N	METHOD	1613B	III
02-Feb-2011	SL-209-SA5B-SB-4.0-5.0	6197655	N	METHOD	1613B	III
02-Feb-2011	SL-172-SA5B-SB-2.0-3.0	6197653	N	METHOD	1613B	III
03-Feb-2011	SL-207-SA5B-SB-2.5-3.5	6198527	N	METHOD	1613B	III
03-Feb-2011	SL-205-SA5B-SB-2.5-3.5	6198526	N	METHOD	1613B	III
03-Feb-2011	SL-210-SA5B-SB-4.0-5.0	6198528	N	METHOD	1613B	III
03-Feb-2011	EB28-SA5B-020311	6198524	EB	METHOD	1613B	III
03-Feb-2011	SL-229-SA5B-SB-2.0-3.0	6198530	N	METHOD	1613B	III
03-Feb-2011	SL-211-SA5B-SB-4.0-5.0	6198529	N	METHOD	1613B	III
03-Feb-2011	EB29-SA5B-020311	6198525	EB	METHOD	1613B	III
03-Feb-2011	SL-274-SA5B-SB-4.0-5.0	6198532	N	METHOD	1613B	III
03-Feb-2011	SL-230-SA5B-SB-2.0-3.0	6198531	N	METHOD	1613B	III
04-Feb-2011	SL-041-SA5C-SB-4.0-5.0	6199410	N	METHOD	1613B	III
04-Feb-2011	SL-165-SA5B-SB-4.0-5.0	6199413	N	METHOD	1613B	III
04-Feb-2011	SL-159-SA5B-SB-4.0-5.0	6199411	N	METHOD	1613B	III
04-Feb-2011	SL-159-SA5B-SB-8.0-9.0	6199412	N	METHOD	1613B	III
04-Feb-2011	SL-273-SA5B-SB-2.0-3.0	6199415	N	METHOD	1613B	III
04-Feb-2011	SL-272-SA5B-SB-4.0-5.0	6199414	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB28-SA5B-020311

Collected: 2/3/2011 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	1.09	JB	0.134	MDL	9.52	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.256	JBQ	0.104	MDL	9.52	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.102	JBQ	0.0920	MDL	9.52	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.118	JBQ	0.0872	MDL	9.52	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.190	JB	0.0884	MDL	9.52	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.289	JB	0.0835	MDL	9.52	PQL	pg/L	U	B
2,3,7,8-TCDD	0.125	JBQ	0.0859	MDL	1.90	PQL	pg/L	U	B
OCDD	2.90	JBQ	0.181	MDL	19.0	PQL	pg/L	U	B
OCDF	0.485	JBQ	0.145	MDL	19.0	PQL	pg/L	U	B

Sample ID: EB29-SA5B-020311

Collected: 2/3/2011 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	1.88	JBQ	0.256	MDL	9.53	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.763	JB	0.142	MDL	9.53	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.496	JB	0.116	MDL	9.53	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.308	JQ	0.180	MDL	9.53	PQL	pg/L	J	Z
1,2,3,4,7,8-HXCDF	0.311	JBQ	0.185	MDL	9.53	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.394	JBQ	0.176	MDL	9.53	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.405	JBQ	0.141	MDL	9.53	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.252	JBQ	0.154	MDL	9.53	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.535	JBQ	0.105	MDL	9.53	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.406	JBQ	0.199	MDL	9.53	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.155	JBQ	0.102	MDL	9.53	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.339	JB	0.0974	MDL	9.53	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.517	JBQ	0.102	MDL	9.53	PQL	pg/L	U	B
2,3,7,8-TCDD	0.220	JBQ	0.187	MDL	1.91	PQL	pg/L	U	B
OCDD	6.53	JB	0.327	MDL	19.1	PQL	pg/L	U	B
OCDF	1.32	JBQ	0.207	MDL	19.1	PQL	pg/L	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-041-SA5C-SB-4.0-5.0

Collected: 2/4/2011 9:23:00 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	1.59	JB	0.0174	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.819	J	0.0259	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.706	J	0.0446	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	4.07	JB	0.0375	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.26	J	0.0464	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.00	JB	0.0317	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.53	J	0.0449	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.91	JB	0.0357	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.933	JBQ	0.0938	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0784	JB	0.0210	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.725	JB	0.0363	MDL	5.70	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.929	JB	0.0201	MDL	5.70	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0495	JQ	0.0312	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	4.94	JB	0.0269	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.497	JB	0.0302	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-159-SA5B-SB-4.0-5.0

Collected: 2/4/2011 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-HPCDF	1.45	JB	0.0158	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.119	J	0.0219	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.327	JQ	0.0478	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0916	JBQ	0.0227	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.10	J	0.0500	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0398	JB	0.0177	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.674	J	0.0497	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0915	JBQ	0.0310	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0321	JBQ	0.0113	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0658	JB	0.0195	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0648	JBQ	0.0105	MDL	5.67	PQL	ng/Kg	U	B
OCDF	5.01	JB	0.0305	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-159-SA5B-SB-8.0-9.0

Collected: 2/4/2011 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	0.253	JB	0.0311	MDL	6.11	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/7/2011 10:27:23 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-159-SA5B-SB-8.0-9.0

Collected: 2/4/2011 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-HPCDF	0.0251	JB	0.00855	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0225	JQ	0.0137	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0249	JBQ	0.0138	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0127	JBQ	0.0107	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0284	JBQ	0.0140	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0392	JBQ	0.0122	MDL	6.11	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0523	JBQ	0.0112	MDL	6.11	PQL	ng/Kg	U	B
OCDD	0.927	JB	0.0283	MDL	12.2	PQL	ng/Kg	U	B
OCDF	0.120	JBQ	0.0370	MDL	12.2	PQL	ng/Kg	U	B

Sample ID: SL-165-SA5B-SB-4.0-5.0

Collected: 2/4/2011 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-HPCDF	0.473	JB	0.0177	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0693	J	0.0243	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0783	J	0.0429	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.250	JB	0.0269	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.392	J	0.0462	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0615	JBQ	0.0219	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.418	J	0.0427	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.265	JB	0.0268	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0702	JBQ	0.0326	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0820	JBQ	0.0232	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0624	JBQ	0.0225	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0933	JBQ	0.0205	MDL	5.60	PQL	ng/Kg	U	B
OCDF	1.27	JB	0.0346	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-172-SA5B-SB-2.0-3.0

Collected: 2/2/2011 2:17:00 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	0.292	JBQ	0.0307	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0645	JBQ	0.0140	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0246	JQ	0.0167	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.0365	JQ	0.0197	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.0433	JQ	0.0205	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0239	JBQ	0.0140	MDL	5.41	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-172-SA5B-SB-2.0-3.0

Collected: 2/2/2011 2:17:00 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	0.0437	JBQ	0.0264	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0268	JB	0.0131	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0258	JBQ	0.0141	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0461	JB	0.0122	MDL	5.41	PQL	ng/Kg	U	B
OCDD	2.41	JB	0.0258	MDL	10.8	PQL	ng/Kg	J	Z
OCDF	0.137	JB	0.0370	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-173-SA5B-SB-2.0-3.0

Collected: 2/2/2011 9:42:00 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	0.301	JB	0.0314	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0630	JBQ	0.0119	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0281	J	0.0152	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0195	JBQ	0.0139	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0429	JQ	0.0231	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0244	JBQ	0.0110	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0941	J	0.0228	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0443	JBQ	0.0141	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0171	JBQ	0.0116	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0756	JBQ	0.0128	MDL	5.56	PQL	ng/Kg	U	B
OCDD	2.18	JB	0.0288	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-205-SA5B-SB-2.5-3.5

Collected: 2/3/2011 9:47:00 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	0.101	JBQ	0.0298	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0320	JBQ	0.0105	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0228	JQ	0.0175	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0187	JBQ	0.0115	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0352	JQ	0.0192	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.0483	J	0.0195	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0171	JBQ	0.0127	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0193	JBQ	0.0106	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0256	JBQ	0.0121	MDL	5.66	PQL	ng/Kg	U	B
OCDD	0.547	JBQ	0.0260	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.0696	JBQ	0.0399	MDL	11.3	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/7/2011 10:27:23 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-207-SA5B-SB-2.5-3.5

Collected: 2/3/2011 9:32:00 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	3.56	JB	0.0481	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.333	JBQ	0.0183	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0641	JQ	0.0256	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0667	JQ	0.0337	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0229	JBQ	0.0205	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.186	JQ	0.0353	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0272	JB	0.0156	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.176	JQ	0.0345	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0457	JBQ	0.0196	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0581	JBQ	0.0333	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0167	JBQ	0.0159	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0306	JBQ	0.0168	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0563	JBQ	0.0143	MDL	5.71	PQL	ng/Kg	U	B
OCDF	0.967	JB	0.0467	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-209-SA5B-SB-4.0-5.0

Collected: 2/2/2011 2:09:00 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	0.0343	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0400	JBQ	0.0116	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0281	JQ	0.0138	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.0539	JQ	0.0253	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0279	JBQ	0.0127	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.146	J	0.0245	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0629	JB	0.0144	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0600	JBQ	0.0288	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0326	JBQ	0.0151	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0206	JBQ	0.0133	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0341	JBQ	0.0133	MDL	5.73	PQL	ng/Kg	U	B
OCDD	2.74	JB	0.0344	MDL	11.5	PQL	ng/Kg	J	Z
OCDF	0.118	JBQ	0.0357	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-210-SA5B-SB-4.0-5.0

Collected: 2/3/2011 10:34:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.178	JB	0.0307	MDL	5.43	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

6/7/2011 10:27:23 AM

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Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-210-SA5B-SB-4.0-5.0

Collected: 2/3/2011 10:34:00

Analysis Type: RES

Dilution: 1

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	0.0184	JBQ	0.00880	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0156	JBQ	0.0126	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0275	JQ	0.0202	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0218	JBQ	0.0136	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0273	JBQ	0.0145	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0192	JBQ	0.0117	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0513	JBQ	0.0129	MDL	5.43	PQL	ng/Kg	U	B
OCDD	1.07	JB	0.0261	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.0929	JBQ	0.0291	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-211-SA5B-SB-4.0-5.0

Collected: 2/3/2011 1:48:00 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	0.498	JB	0.0420	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0839	JB	0.0101	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0396	JBQ	0.0170	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0939	J	0.0247	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0172	JBQ	0.0138	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.175	J	0.0245	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.102	JB	0.0170	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0631	JBQ	0.0316	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0482	JBQ	0.0163	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0294	JBQ	0.0147	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0514	JBQ	0.0144	MDL	5.66	PQL	ng/Kg	U	B
OCDD	4.60	JB	0.0278	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.241	JBQ	0.0433	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-229-SA5B-SB-2.0-3.0

Collected: 2/3/2011 1:08:00 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	0.202	JB	0.0348	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0679	JBQ	0.0114	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0453	JB	0.0169	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0293	JBQ	0.0129	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0310	JQ	0.0215	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0829	JBQ	0.0172	MDL	5.51	PQL	ng/Kg	U	B

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-229-SA5B-SB-2.0-3.0

Collected: 2/3/2011 1:08:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.0800	JBQ	0.0290	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0711	JBQ	0.0131	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0345	JBQ	0.0147	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.103	JBQ	0.0139	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0497	JQ	0.0319	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0412	JQ	0.0293	MDL	1.10	PQL	ng/Kg	U	B
OCDD	0.680	JB	0.0255	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.124	JBQ	0.0378	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-230-SA5B-SB-2.0-3.0

Collected: 2/3/2011 3:19:00 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	0.377	JB	0.0339	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0305	JBQ	0.0116	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0278	JQ	0.0143	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0308	JBQ	0.0173	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.176	JQ	0.0265	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.162	JB	0.0125	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.163	J	0.0246	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0433	JBQ	0.0126	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0213	JBQ	0.0126	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0246	JBQ	0.0117	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0434	JBQ	0.0134	MDL	5.73	PQL	ng/Kg	U	B
OCDD	1.54	JB	0.0265	MDL	11.5	PQL	ng/Kg	J	Z
OCDF	0.110	JBQ	0.0349	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-272-SA5B-SB-4.0-5.0

Collected: 2/4/2011 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
1,2,3,4,6,7,8-HPCDD	1.30	JB	0.0361	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.0929	JB	0.0139	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0280	JQ	0.0221	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0170	JBQ	0.0133	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0513	JQ	0.0224	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0157	JBQ	0.00989	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0654	JQ	0.0211	MDL	5.56	PQL	ng/Kg	J	Z

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-272-SA5B-SB-4.0-5.0

Collected: 2/4/2011 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
1,2,3,7,8,9-HXCDF	0.0384	JBQ	0.0133	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0249	JBQ	0.0123	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0151	JBQ	0.0103	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0450	JBQ	0.0114	MDL	5.56	PQL	ng/Kg	U	B
OCDF	0.303	JBQ	0.0432	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-273-SA5B-SB-2.0-3.0

Collected: 2/4/2011 1:57:00 PM

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	3.93	B	0.0890	MDL	1.14	PQL	ng/Kg		Z

Sample ID: SL-273-SA5B-SB-2.0-3.0

Collected: 2/4/2011 1:57:00 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	1.86	JB	0.166	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	4.57	JB	0.223	MDL	5.68	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	4.19	JB	0.0865	MDL	5.68	PQL	ng/Kg	J	Z
OCDD	15000	EB	0.166	MDL	11.4	PQL	ng/Kg	J	*XI

Sample ID: SL-274-SA5B-SB-4.0-5.0

Collected: 2/3/2011 2:37:00 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	1.84	JB	0.0207	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.204	J	0.0296	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.159	JQ	0.0565	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.450	JB	0.0400	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.656	JQ	0.0595	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.109	JB	0.0314	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.480	J	0.0564	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.114	JBQ	0.0406	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0952	JBQ	0.0467	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.131	JB	0.0340	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.360	JB	0.0281	MDL	5.61	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.147	J	0.0689	MDL	1.12	PQL	ng/Kg	U	B
OCDF	4.26	JB	0.0376	MDL	11.2	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-275-SA5B-SB-3.5-4.5

Collected: 2/2/2011 9:28:00 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	0.435	JBQ	0.0340	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0398	JB	0.00764	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0175	JQ	0.0106	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0268	JBQ	0.0111	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0459	JQ	0.0222	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0221	JBQ	0.00914	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0575	JQ	0.0215	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0533	JBQ	0.0109	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0133	JBQ	0.0123	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0169	JBQ	0.00972	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0383	JB	0.0110	MDL	5.79	PQL	ng/Kg	U	B
OCDD	6.96	JB	0.0237	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.111	JBQ	0.0289	MDL	11.6	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_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 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
F	Equipment Blank Contamination
F	Field Blank Contamination

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation
R	Continuing Calibration Verification Percent Recovery Lower Rejection
R	Continuing Calibration Verification Percent Recovery Upper Estimation

Data Qualifier Summary

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

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

Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX047

Method Blank Outlier Report

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371451	2/18/2011 2:51:00 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-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	1.32 pg/L 0.392 pg/L 0.331 pg/L 0.390 pg/L 0.265 pg/L 0.165 pg/L 0.299 pg/L 0.485 pg/L 0.302 pg/L 0.243 pg/L 0.289 pg/L 0.481 pg/L 0.280 pg/L 3.21 pg/L 0.775 pg/L	EB28-SA5B-020311 EB29-SA5B-020311

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
EB28-SA5B-020311(RES)	1,2,3,4,6,7,8-HPCDD	1.09 pg/L	1.09U pg/L
EB28-SA5B-020311(RES)	1,2,3,4,6,7,8-HPCDF	0.256 pg/L	0.256U pg/L
EB28-SA5B-020311(RES)	1,2,3,4,7,8,9-HPCDF	0.102 pg/L	0.102U pg/L
EB28-SA5B-020311(RES)	1,2,3,7,8,9-HXCDF	0.118 pg/L	0.118U pg/L
EB28-SA5B-020311(RES)	2,3,4,6,7,8-HXCDF	0.190 pg/L	0.190U pg/L
EB28-SA5B-020311(RES)	2,3,4,7,8-PECDF	0.289 pg/L	0.289U pg/L
EB28-SA5B-020311(RES)	2,3,7,8-TCDD	0.125 pg/L	0.125U pg/L
EB28-SA5B-020311(RES)	OCDD	2.90 pg/L	2.90U pg/L
EB28-SA5B-020311(RES)	OCDF	0.485 pg/L	0.485U pg/L
EB29-SA5B-020311(RES)	1,2,3,4,6,7,8-HPCDD	1.88 pg/L	1.88U pg/L
EB29-SA5B-020311(RES)	1,2,3,4,6,7,8-HPCDF	0.763 pg/L	0.763U pg/L
EB29-SA5B-020311(RES)	1,2,3,4,7,8,9-HPCDF	0.496 pg/L	0.496U pg/L
EB29-SA5B-020311(RES)	1,2,3,4,7,8-HXCDF	0.311 pg/L	0.311U pg/L
EB29-SA5B-020311(RES)	1,2,3,6,7,8-HXCDD	0.394 pg/L	0.394U pg/L
EB29-SA5B-020311(RES)	1,2,3,6,7,8-HXCDF	0.405 pg/L	0.405U pg/L
EB29-SA5B-020311(RES)	1,2,3,7,8,9-HXCDD	0.252 pg/L	0.252U pg/L
EB29-SA5B-020311(RES)	1,2,3,7,8,9-HXCDF	0.535 pg/L	0.535U pg/L
EB29-SA5B-020311(RES)	1,2,3,7,8-PECDD	0.406 pg/L	0.406U pg/L
EB29-SA5B-020311(RES)	1,2,3,7,8-PECDF	0.155 pg/L	0.155U pg/L
EB29-SA5B-020311(RES)	2,3,4,6,7,8-HXCDF	0.339 pg/L	0.339U pg/L
EB29-SA5B-020311(RES)	2,3,4,7,8-PECDF	0.517 pg/L	0.517U pg/L
EB29-SA5B-020311(RES)	2,3,7,8-TCDD	0.220 pg/L	0.220U pg/L
EB29-SA5B-020311(RES)	OCDD	6.53 pg/L	6.53U pg/L
EB29-SA5B-020311(RES)	OCDF	1.32 pg/L	1.32U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371530	2/17/2011 3:30:00 PM	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-HXCDF 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	0.144 ng/Kg 0.0350 ng/Kg 0.0356 ng/Kg 0.0220 ng/Kg 0.0277 ng/Kg 0.0347 ng/Kg 0.0309 ng/Kg 0.0300 ng/Kg 0.0462 ng/Kg 0.305 ng/Kg 0.227 ng/Kg	SL-041-SA5C-SB-4.0-5.0 SL-159-SA5B-SB-4.0-5.0 SL-159-SA5B-SB-8.0-9.0 SL-165-SA5B-SB-4.0-5.0 SL-172-SA5B-SB-2.0-3.0 SL-173-SA5B-SB-2.0-3.0 SL-205-SA5B-SB-2.5-3.5 SL-207-SA5B-SB-2.5-3.5 SL-209-SA5B-SB-4.0-5.0 SL-210-SA5B-SB-4.0-5.0 SL-211-SA5B-SB-4.0-5.0 SL-229-SA5B-SB-2.0-3.0 SL-230-SA5B-SB-2.0-3.0 SL-272-SA5B-SB-4.0-5.0 SL-273-SA5B-SB-2.0-3.0 SL-274-SA5B-SB-4.0-5.0 SL-275-SA5B-SB-3.5-4.5
BLANKAB371839	3/15/2011 6:39:00 PM	2,3,7,8-TCDF	0.0433 ng/Kg	SL-041-SA5C-SB-4.0-5.0 SL-159-SA5B-SB-4.0-5.0 SL-159-SA5B-SB-8.0-9.0 SL-165-SA5B-SB-4.0-5.0 SL-172-SA5B-SB-2.0-3.0 SL-173-SA5B-SB-2.0-3.0 SL-205-SA5B-SB-2.5-3.5 SL-207-SA5B-SB-2.5-3.5 SL-209-SA5B-SB-4.0-5.0 SL-210-SA5B-SB-4.0-5.0 SL-211-SA5B-SB-4.0-5.0 SL-229-SA5B-SB-2.0-3.0 SL-230-SA5B-SB-2.0-3.0 SL-272-SA5B-SB-4.0-5.0 SL-273-SA5B-SB-2.0-3.0 SL-274-SA5B-SB-4.0-5.0 SL-275-SA5B-SB-3.5-4.5

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-041-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0784 ng/Kg	0.0784U ng/Kg
SL-041-SA5C-SB-4.0-5.0(RES)	OCDF	0.497 ng/Kg	0.497U ng/Kg
SL-159-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0916 ng/Kg	0.0916U ng/Kg
SL-159-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0398 ng/Kg	0.0398U ng/Kg
SL-159-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0915 ng/Kg	0.0915U ng/Kg
SL-159-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0321 ng/Kg	0.0321U ng/Kg
SL-159-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0658 ng/Kg	0.0658U ng/Kg
SL-159-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0648 ng/Kg	0.0648U ng/Kg
SL-159-SA5B-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDD	0.253 ng/Kg	0.253U ng/Kg
SL-159-SA5B-SB-8.0-9.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0251 ng/Kg	0.0251U ng/Kg
SL-159-SA5B-SB-8.0-9.0(RES)	1,2,3,4,7,8-HXCDF	0.0249 ng/Kg	0.0249U ng/Kg
SL-159-SA5B-SB-8.0-9.0(RES)	1,2,3,6,7,8-HXCDF	0.0127 ng/Kg	0.0127U ng/Kg
SL-159-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8,9-HXCDF	0.0284 ng/Kg	0.0284U ng/Kg
SL-159-SA5B-SB-8.0-9.0(RES)	1,2,3,7,8-PECDF	0.0392 ng/Kg	0.0392U ng/Kg
SL-159-SA5B-SB-8.0-9.0(RES)	2,3,4,7,8-PECDF	0.0523 ng/Kg	0.0523U ng/Kg
SL-159-SA5B-SB-8.0-9.0(RES)	OCDD	0.927 ng/Kg	0.927U ng/Kg
SL-159-SA5B-SB-8.0-9.0(RES)	OCDF	0.120 ng/Kg	0.120U ng/Kg
SL-165-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0615 ng/Kg	0.0615U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_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-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0702 ng/Kg	0.0702U ng/Kg
SL-165-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0820 ng/Kg	0.0820U ng/Kg
SL-165-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0624 ng/Kg	0.0624U ng/Kg
SL-165-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0933 ng/Kg	0.0933U ng/Kg
SL-172-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.292 ng/Kg	0.292U ng/Kg
SL-172-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0645 ng/Kg	0.0645U ng/Kg
SL-172-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0239 ng/Kg	0.0239U ng/Kg
SL-172-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0437 ng/Kg	0.0437U ng/Kg
SL-172-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0268 ng/Kg	0.0268U ng/Kg
SL-172-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0258 ng/Kg	0.0258U ng/Kg
SL-172-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0461 ng/Kg	0.0461U ng/Kg
SL-172-SA5B-SB-2.0-3.0(RES)	OCDF	0.137 ng/Kg	0.137U ng/Kg
SL-173-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.301 ng/Kg	0.301U ng/Kg
SL-173-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0630 ng/Kg	0.0630U ng/Kg
SL-173-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.0195 ng/Kg	0.0195U ng/Kg
SL-173-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.0244 ng/Kg	0.0244U ng/Kg
SL-173-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0443 ng/Kg	0.0443U ng/Kg
SL-173-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0171 ng/Kg	0.0171U ng/Kg
SL-173-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0756 ng/Kg	0.0756U ng/Kg
SL-205-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.101 ng/Kg	0.101U ng/Kg
SL-205-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0320 ng/Kg	0.0320U ng/Kg
SL-205-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0187 ng/Kg	0.0187U ng/Kg
SL-205-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.0171 ng/Kg	0.0171U ng/Kg
SL-205-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.0193 ng/Kg	0.0193U ng/Kg
SL-205-SA5B-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.0256 ng/Kg	0.0256U ng/Kg
SL-205-SA5B-SB-2.5-3.5(RES)	OCDD	0.547 ng/Kg	0.547U ng/Kg
SL-205-SA5B-SB-2.5-3.5(RES)	OCDF	0.0696 ng/Kg	0.0696U ng/Kg
SL-207-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0229 ng/Kg	0.0229U ng/Kg
SL-207-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0272 ng/Kg	0.0272U ng/Kg
SL-207-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.0457 ng/Kg	0.0457U ng/Kg
SL-207-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.0581 ng/Kg	0.0581U ng/Kg
SL-207-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.0167 ng/Kg	0.0167U ng/Kg
SL-207-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.0306 ng/Kg	0.0306U ng/Kg
SL-207-SA5B-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.0563 ng/Kg	0.0563U ng/Kg
SL-207-SA5B-SB-2.5-3.5(RES)	OCDF	0.967 ng/Kg	0.967U ng/Kg
SL-209-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.321 ng/Kg	0.321U ng/Kg
SL-209-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0400 ng/Kg	0.0400U ng/Kg
SL-209-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0279 ng/Kg	0.0279U ng/Kg
SL-209-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0629 ng/Kg	0.0629U ng/Kg
SL-209-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0600 ng/Kg	0.0600U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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ADR version 1.3.0.71

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Method Blank Outlier Report

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_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-209-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0326 ng/Kg	0.0326U ng/Kg
SL-209-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0206 ng/Kg	0.0206U ng/Kg
SL-209-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0341 ng/Kg	0.0341U ng/Kg
SL-209-SA5B-SB-4.0-5.0(RES)	OCDF	0.118 ng/Kg	0.118U ng/Kg
SL-210-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.178 ng/Kg	0.178U ng/Kg
SL-210-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0184 ng/Kg	0.0184U ng/Kg
SL-210-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0156 ng/Kg	0.0156U ng/Kg
SL-210-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0218 ng/Kg	0.0218U ng/Kg
SL-210-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0273 ng/Kg	0.0273U ng/Kg
SL-210-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0192 ng/Kg	0.0192U ng/Kg
SL-210-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0513 ng/Kg	0.0513U ng/Kg
SL-210-SA5B-SB-4.0-5.0(RES)	OCDD	1.07 ng/Kg	1.07U ng/Kg
SL-210-SA5B-SB-4.0-5.0(RES)	OCDF	0.0929 ng/Kg	0.0929U ng/Kg
SL-211-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.498 ng/Kg	0.498U ng/Kg
SL-211-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0839 ng/Kg	0.0839U ng/Kg
SL-211-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0396 ng/Kg	0.0396U ng/Kg
SL-211-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0172 ng/Kg	0.0172U ng/Kg
SL-211-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.102 ng/Kg	0.102U ng/Kg
SL-211-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0631 ng/Kg	0.0631U ng/Kg
SL-211-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0482 ng/Kg	0.0482U ng/Kg
SL-211-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0294 ng/Kg	0.0294U ng/Kg
SL-211-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0514 ng/Kg	0.0514U ng/Kg
SL-211-SA5B-SB-4.0-5.0(RES)	OCDF	0.241 ng/Kg	0.241U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.202 ng/Kg	0.202U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0679 ng/Kg	0.0679U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.0453 ng/Kg	0.0453U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.0293 ng/Kg	0.0293U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0829 ng/Kg	0.0829U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0800 ng/Kg	0.0800U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0711 ng/Kg	0.0711U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0345 ng/Kg	0.0345U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.103 ng/Kg	0.103U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	2,3,7,8-TCDF	0.0412 ng/Kg	0.0412U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	OCDD	0.680 ng/Kg	0.680U ng/Kg
SL-229-SA5B-SB-2.0-3.0(RES)	OCDF	0.124 ng/Kg	0.124U ng/Kg
SL-230-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.377 ng/Kg	0.377U ng/Kg
SL-230-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0305 ng/Kg	0.0305U ng/Kg
SL-230-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.0308 ng/Kg	0.0308U ng/Kg
SL-230-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0433 ng/Kg	0.0433U ng/Kg
SL-230-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0213 ng/Kg	0.0213U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_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-230-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0246 ng/Kg	0.0246U ng/Kg
SL-230-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0434 ng/Kg	0.0434U ng/Kg
SL-230-SA5B-SB-2.0-3.0(RES)	OCDF	0.110 ng/Kg	0.110U ng/Kg
SL-272-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0929 ng/Kg	0.0929U ng/Kg
SL-272-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0170 ng/Kg	0.0170U ng/Kg
SL-272-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0157 ng/Kg	0.0157U ng/Kg
SL-272-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0384 ng/Kg	0.0384U ng/Kg
SL-272-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0249 ng/Kg	0.0249U ng/Kg
SL-272-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0151 ng/Kg	0.0151U ng/Kg
SL-272-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0450 ng/Kg	0.0450U ng/Kg
SL-272-SA5B-SB-4.0-5.0(RES)	OCDF	0.303 ng/Kg	0.303U ng/Kg
SL-274-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.109 ng/Kg	0.109U ng/Kg
SL-274-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.114 ng/Kg	0.114U ng/Kg
SL-274-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0952 ng/Kg	0.0952U ng/Kg
SL-274-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.131 ng/Kg	0.131U ng/Kg
SL-274-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.147 ng/Kg	0.147U ng/Kg
SL-275-SA5B-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDD	0.435 ng/Kg	0.435U ng/Kg
SL-275-SA5B-SB-3.5-4.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0398 ng/Kg	0.0398U ng/Kg
SL-275-SA5B-SB-3.5-4.5(RES)	1,2,3,4,7,8-HXCDF	0.0268 ng/Kg	0.0268U ng/Kg
SL-275-SA5B-SB-3.5-4.5(RES)	1,2,3,6,7,8-HXCDF	0.0221 ng/Kg	0.0221U ng/Kg
SL-275-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDF	0.0533 ng/Kg	0.0533U ng/Kg
SL-275-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.0133 ng/Kg	0.0133U ng/Kg
SL-275-SA5B-SB-3.5-4.5(RES)	2,3,4,6,7,8-HXCDF	0.0169 ng/Kg	0.0169U ng/Kg
SL-275-SA5B-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.0383 ng/Kg	0.0383U ng/Kg
SL-275-SA5B-SB-3.5-4.5(RES)	OCDF	0.111 ng/Kg	0.111U ng/Kg

Reporting Limit Outliers

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB28-SA5B-020311	1,2,3,4,6,7,8-HPCDD	JB	1.09	9.52	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.256	9.52	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.102	9.52	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.118	9.52	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	0.190	9.52	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.289	9.52	PQL	pg/L	
	2,3,7,8-TCDD	JBQ	0.125	1.90	PQL	pg/L	
	OCDD	JBQ	2.90	19.0	PQL	pg/L	
	OCDF	JBQ	0.485	19.0	PQL	pg/L	
EB29-SA5B-020311	1,2,3,4,6,7,8-HPCDD	JBQ	1.88	9.53	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.763	9.53	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.496	9.53	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JQ	0.308	9.53	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.311	9.53	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.394	9.53	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.405	9.53	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.252	9.53	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.535	9.53	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.406	9.53	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.155	9.53	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	0.339	9.53	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.517	9.53	PQL	pg/L	
	2,3,7,8-TCDD	JBQ	0.220	1.91	PQL	pg/L	
	OCDD	JB	6.53	19.1	PQL	pg/L	
	OCDF	JBQ	1.32	19.1	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-041-SA5C-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.59	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	J	0.819	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.706	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	4.07	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	2.26	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.00	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	1.53	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.91	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.933	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0784	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.725	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.929	5.70	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0495	1.14	PQL	ng/Kg	
	OCDD	JB	4.94	11.4	PQL	ng/Kg	
	OCDF	JB	0.497	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-159-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.45	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	J	0.119	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.327	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0916	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	1.10	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0398	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.674	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0915	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0321	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0658	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0648	5.67	PQL	ng/Kg	
	OCDF	JB	5.01	11.3	PQL	ng/Kg	
SL-159-SA5B-SB-8.0-9.0	1,2,3,4,6,7,8-HPCDD	JB	0.253	6.11	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0251	6.11	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0225	6.11	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0249	6.11	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0127	6.11	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0284	6.11	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0392	6.11	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0523	6.11	PQL	ng/Kg	
	OCDD	JB	0.927	12.2	PQL	ng/Kg	
	OCDF	JBQ	0.120	12.2	PQL	ng/Kg	
SL-165-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	0.473	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	J	0.0693	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0783	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.250	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.392	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0615	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.418	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.265	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0702	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0820	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0624	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0933	5.60	PQL	ng/Kg	
	OCDF	JB	1.27	11.2	PQL	ng/Kg	
SL-172-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.292	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0645	5.41	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0246	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0365	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0433	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0239	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0437	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0268	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0258	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0461	5.41	PQL	ng/Kg	
	OCDD	JB	2.41	10.8	PQL	ng/Kg	
SL-173-SA5B-SB-2.0-3.0	OCDF	JB	0.137	10.8	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JB	0.301	5.56	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0630	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	J	0.0281	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0195	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0429	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0244	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.0941	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0443	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0171	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0756	5.56	PQL	ng/Kg	
	OCDD	JB	2.18	11.1	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-205-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.101	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0320	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0228	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0187	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0352	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.0483	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0171	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0193	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0256	5.66	PQL	ng/Kg	
	OCDD	JBQ	0.547	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.0696	11.3	PQL	ng/Kg	
SL-207-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	3.56	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.333	5.71	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0641	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0667	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0229	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.186	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0272	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.176	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0457	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0581	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0167	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0306	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0563	5.71	PQL	ng/Kg	
	OCDF	JB	0.967	11.4	PQL	ng/Kg	
SL-209-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.321	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0400	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0281	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0539	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0279	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.146	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0629	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0600	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0326	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0206	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0341	5.73	PQL	ng/Kg	
	OCDD	JB	2.74	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.118	11.5	PQL	ng/Kg	
SL-210-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.178	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0184	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0156	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0275	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0218	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0273	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0192	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0513	5.43	PQL	ng/Kg	
	OCDD	JB	1.07	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.0929	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-211-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.498	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0839	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0396	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.0939	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0172	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.175	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.102	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0631	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0482	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0294	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0514	5.66	PQL	ng/Kg	
	OCDD	JB	4.60	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.241	11.3	PQL	ng/Kg	
SL-229-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.202	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0679	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0453	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0293	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0310	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0829	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0800	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0711	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0345	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.103	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0497	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0412	1.10	PQL	ng/Kg	
	OCDD	JB	0.680	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.124	11.0	PQL	ng/Kg	
SL-230-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.377	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0305	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HPCDF	JQ	0.0278	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0308	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.176	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.162	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.163	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0433	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0213	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0246	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0434	5.73	PQL	ng/Kg	
	OCDD	JB	1.54	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.110	11.5	PQL	ng/Kg	
SL-272-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.30	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0929	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0280	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0170	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0513	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0157	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0654	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0384	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0249	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0151	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0450	5.56	PQL	ng/Kg	
	OCDF	JBQ	0.303	11.1	PQL	ng/Kg	
SL-273-SA5B-SB-2.0-3.0	1,2,3,7,8,9-HXCDF	JB	1.86	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	4.57	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	4.19	5.68	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX047

Laboratory: LL

EDD Filename: DX047_v1.

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-274-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.84	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	J	0.204	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.159	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.450	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.656	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.109	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.480	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.114	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0952	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.131	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.360	5.61	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.147	1.12	PQL	ng/Kg	
	OCDF	JB	4.26	11.2	PQL	ng/Kg	
SL-275-SA5B-SB-3.5-4.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.435	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0398	5.79	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JQ	0.0175	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0268	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0459	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0221	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0575	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0533	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0133	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0169	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0383	5.79	PQL	ng/Kg	
	OCDD	JB	6.96	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.111	11.6	PQL	ng/Kg	

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

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

Y N N/A
Y N N/A

[illegible]

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX048

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
07-Feb-2011	SL-160-SA5B-SB-4.0-5.0	6200345	N	METHOD	1613B	III
07-Feb-2011	SL-162-SA5B-SB-4.0-5.0	6200347	N	METHOD	1613B	III
07-Feb-2011	SL-048-SA5A-SB-3.0-4.0	6200343	N	METHOD	1613B	III
07-Feb-2011	SL-161-SA5B-SB-4.0-5.0	6200346	N	METHOD	1613B	III
07-Feb-2011	SL-049-SA5A-SB-2.0-3.0	6200344	N	METHOD	1613B	III
07-Feb-2011	SL-163-SA5B-SB-3.5-4.5	6200348	N	METHOD	1613B	III
08-Feb-2011	SL-164-SA5B-SB-4.0-5.0	6201182	N	METHOD	1613B	III
08-Feb-2011	SL-168-SA5B-SB-4.0-5.0	6201181	N	METHOD	1613B	III
08-Feb-2011	SL-316-SA5B-SS-0.0-0.5	6201187	N	METHOD	1613B	III
08-Feb-2011	SL-313-SA5B-SB-4.0-5.0	6201183	N	METHOD	1613B	III
08-Feb-2011	SL-313-SA5B-SB-9.0-10.0	6201184	N	METHOD	1613B	III
08-Feb-2011	SL-328-SA5B-SS-0.0-0.5	6201189	N	METHOD	1613B	III
08-Feb-2011	SL-327-SA5B-SS-0.0-0.5	6201188	N	METHOD	1613B	III
08-Feb-2011	SL-314-SA5B-SB-4.0-5.0	6201185	N	METHOD	1613B	III
08-Feb-2011	SL-315-SA5B-SS-0.0-0.5	6201186	N	METHOD	1613B	III
10-Feb-2011	SL-321-SA5B-SS-0.0-0.5	6203567	N	METHOD	1613B	III
10-Feb-2011	SL-315-SA5B-SB-3.0-4.0	6203564	N	METHOD	1613B	III
10-Feb-2011	DUP-024-QC-021011	6203562	FD	METHOD	1613B	III
10-Feb-2011	EB31-SA5B-021011	6203563	EB	METHOD	1613B	III
10-Feb-2011	SL-319-SA5B-SB-4.0-5.0	6203566	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	AQ

Sample ID: EB31-SA5B-021011

Collected: 2/10/2011 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	2.24	JB	0.416	MDL	10.3	PQL	pg/L	UJ	B, I
1,2,3,4,6,7,8-HPCDF	3.44	JB	0.852	MDL	10.3	PQL	pg/L	J	Z, I
1,2,3,4,7,8,9-HPCDF	1.99	JB	0.286	MDL	10.3	PQL	pg/L	UJ	B, I
1,2,3,4,7,8-HxCDD	1.25	JB	0.836	MDL	10.3	PQL	pg/L	J	Z, I
1,2,3,4,7,8-HXCDF	2.61	JB	1.46	MDL	10.3	PQL	pg/L	J	Z, I
1,2,3,6,7,8-HxCDD	3.93	JB	0.716	MDL	10.3	PQL	pg/L	J	Z, I
1,2,3,6,7,8-HXCDF	3.73	JB	1.07	MDL	10.3	PQL	pg/L	J	Z, I
1,2,3,7,8,9-HxCDD	2.52	JBQ	0.217	MDL	10.3	PQL	pg/L	J	Z
1,2,3,7,8,9-HXCDF	2.72	JB	0.171	MDL	10.3	PQL	pg/L	J	Z
1,2,3,7,8-PECDD	3.53	JB	0.252	MDL	10.3	PQL	pg/L	J	Z, I
1,2,3,7,8-PECDF	1.28	JB	0.129	MDL	10.3	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	1.83	JB	0.294	MDL	10.3	PQL	pg/L	J	Z, I
2,3,4,7,8-PECDF	3.35	JB	0.234	MDL	10.3	PQL	pg/L	J	Z, I
2,3,7,8-TCDF	0.956	JB	0.0992	MDL	2.05	PQL	pg/L	J	Z
OCDD	3.15	JB	0.455	MDL	20.5	PQL	pg/L	UJ	B, I
OCDF	1.21	JB	0.694	MDL	20.5	PQL	pg/L	UJ	B, I

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP-024-QC-021011

Collected: 2/10/2011 1:05:00

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	4.71	JB	0.0780	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	4.11	J	0.0909	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	3.86	JB	0.109	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	3.05	JB	0.0869	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.30	JB	0.0723	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.04	JB	0.0763	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.397	JB	0.0352	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.69	JB	0.0660	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.41	JB	0.0334	MDL	5.36	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.170	JB	0.0151	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.142	JQ	0.0383	MDL	1.07	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 11:34:12 AM

ADR version 1.4.0.111

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-048-SA5A-SB-3.0-4.0

Collected: 2/7/2011 12:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.923	JB	0.0313	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.277	JB	0.0142	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0693	JB	0.0199	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0314	JQ	0.0143	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0458	JBQ	0.0124	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0847	JBQ	0.0144	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0563	JBQ	0.00955	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0722	JB	0.0136	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0465	JBQ	0.0114	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0528	JBQ	0.0127	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0565	JB	0.00615	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0783	JB	0.00922	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0774	JB	0.00659	MDL	5.49	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0354	JBQ	0.0117	MDL	1.10	PQL	ng/Kg	U	B
OCDD	7.72	JB	0.0258	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.431	JB	0.0234	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-049-SA5A-SB-2.0-3.0

Collected: 2/7/2011 3:19:00 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	1.75	JB	0.0390	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.418	JB	0.0207	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0520	JB	0.0192	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0325	JQ	0.0196	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0982	JB	0.0198	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.112	JB	0.0184	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0359	JBQ	0.0140	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.165	JB	0.0154	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.111	JBQ	0.0109	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0350	JBQ	0.0146	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0310	JBQ	0.00705	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0583	JBQ	0.00944	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0847	JBQ	0.00717	MDL	5.69	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0193	JBQ	0.0122	MDL	1.14	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 11:34:12 AM

ADR version 1.4.0.111

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-049-SA5A-SB-2.0-3.0

Collected: 2/7/2011 3:19:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	1.29	JB	0.0324	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-160-SA5B-SB-4.0-5.0

Collected: 2/7/2011 10:23:00

Analysis Type: RES

Dilution: 1

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	2.10	JB	0.0274	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.290	JBQ	0.0299	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0918	J	0.0621	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.227	JBQ	0.0387	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.512	JB	0.0598	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.120	JBQ	0.0275	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.245	JBQ	0.0533	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0391	JB	0.0247	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0715	JBQ	0.0262	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0131	JBQ	0.0127	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.219	JB	0.0216	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.0866	JB	0.0132	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0165	JBQ	0.0143	MDL	1.10	PQL	ng/Kg	U	B
OCDF	4.66	JB	0.0296	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-161-SA5B-SB-4.0-5.0

Collected: 2/7/2011 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	4.21	JB	0.0379	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.483	JB	0.0539	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.246	JB	0.0814	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.334	JBQ	0.0546	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.13	JB	0.0822	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.256	JB	0.0386	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.591	JBQ	0.0746	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0743	JBQ	0.0421	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.130	JB	0.0334	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0442	JBQ	0.0124	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.329	JB	0.0308	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.135	JBQ	0.0137	MDL	5.53	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-161-SA5B-SB-4.0-5.0

Collected: 2/7/2011 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
2,3,7,8-TCDD	0.0344	JQ	0.0184	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0746	J	0.0312	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	9.85	JB	0.0409	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-162-SA5B-SB-4.0-5.0

Collected: 2/7/2011 11:54:00

Analysis Type: 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	0.0239	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.481	JB	0.0345	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.878	JB	0.0471	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.61	JB	0.0353	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.377	JB	0.0331	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.940	JB	0.0325	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.175	JBQ	0.0256	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.249	JB	0.0254	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.168	JBQ	0.0157	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.728	JB	0.0242	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.303	JB	0.0153	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0755	JBQ	0.0114	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.175	JBQ	0.0275	MDL	1.13	PQL	ng/Kg	J	Z

Sample ID: SL-163-SA5B-SB-3.5-4.5

Collected: 2/7/2011 3:36:00 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	0.716	JB	0.0338	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.394	JB	0.0634	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.415	JB	0.0511	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.48	JB	0.0627	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.290	JB	0.0359	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.801	JB	0.0583	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.102	JBQ	0.0345	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.148	JB	0.0320	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0537	JBQ	0.0109	MDL	5.39	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.414	JB	0.0277	MDL	5.39	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.154	JB	0.0122	MDL	5.39	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-163-SA5B-SB-3.5-4.5

Collected: 2/7/2011 3:36:00 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-TCDD	0.0819	J	0.0117	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.145	J	0.0254	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-164-SA5B-SB-4.0-5.0

Collected: 2/8/2011 10:08:00

Analysis Type: 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	1.43	JB	0.0584	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.992	J	0.114	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.04	JB	0.0693	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.84	JB	0.114	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.774	JB	0.0518	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.07	JB	0.108	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.284	JB	0.0563	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.446	JB	0.0529	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.352	JB	0.0332	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.01	JB	0.0447	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.704	JB	0.0332	MDL	5.40	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0833	JBQ	0.0180	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.821	J	0.0646	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-168-SA5B-SB-4.0-5.0

Collected: 2/8/2011 11:49:00

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	2.82	JB	0.0171	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.344	JB	0.0297	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.199	JB	0.0450	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.322	JB	0.0340	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.966	JB	0.0463	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.177	JB	0.0235	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.718	JB	0.0426	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.301	JB	0.0278	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.115	JB	0.0244	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.103	JBQ	0.0114	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.253	JB	0.0220	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.201	JB	0.0135	MDL	5.59	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-168-SA5B-SB-4.0-5.0

Collected: 2/8/2011 11:49:00

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	0.0206	J	0.00816	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.148	J	0.0279	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	6.45	JB	0.0193	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-313-SA5B-SB-4.0-5.0

Collected: 2/8/2011 2:24:00 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	2.19	JB	0.0297	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.195	JB	0.0264	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.211	JB	0.0544	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.139	JB	0.0418	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.799	JB	0.0513	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.151	JB	0.0286	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.684	JB	0.0440	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.152	JBQ	0.0213	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.119	JBQ	0.0243	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0431	JB	0.00633	MDL	5.55	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.168	JBQ	0.0189	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.111	JB	0.00666	MDL	5.55	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0250	J	0.0103	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0198	J	0.0122	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	5.78	JB	0.0262	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-313-SA5B-SB-9.0-10.0

Collected: 2/8/2011 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
1,2,3,4,7,8,9-HPCDF	0.470	JB	0.0303	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.931	J	0.0458	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.318	JB	0.0498	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.12	JB	0.0438	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.466	JB	0.0352	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.43	JB	0.0361	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.182	JB	0.0232	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.532	JB	0.0296	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0885	JBQ	0.00816	MDL	5.59	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-313-SA5B-SB-9.0-10.0

Collected: 2/8/2011 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	0.747	JB	0.0212	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.216	JB	0.00860	MDL	5.59	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0444	JB	0.0104	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0499	J	0.0121	MDL	1.12	PQL	ng/Kg	J	Z

Sample ID: SL-314-SA5B-SB-4.0-5.0

Collected: 2/8/2011 4:10:00 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	0.645	JBQ	0.0496	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.979	J	0.0565	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.384	JBQ	0.0392	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.18	JB	0.0580	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.492	JB	0.0311	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.55	JB	0.0566	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.140	JB	0.0353	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.592	JB	0.0336	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0687	JBQ	0.00897	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.737	JB	0.0289	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.209	JB	0.00908	MDL	5.54	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0408	JBQ	0.0104	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0337	JQ	0.0146	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SL-315-SA5B-SB-3.0-4.0

Collected: 2/10/2011 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
1,2,3,4,7,8,9-HPCDF	0.778	JB	0.0498	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.141	J	0.0547	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.424	JB	0.0332	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.81	JB	0.0550	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.637	JB	0.0270	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.22	JB	0.0548	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.254	JB	0.0336	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.105	JB	0.0142	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.123	JB	0.00700	MDL	5.39	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.325	JB	0.0263	MDL	5.39	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-315-SA5B-SB-3.0-4.0

Collected: 2/10/2011 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
2,3,4,7,8-PECDF	0.182	JBQ	0.00722	MDL	5.39	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0282	JB	0.00991	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0325	J	0.0112	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-315-SA5B-SS-0.0-0.5

Collected: 2/8/2011 4:18:00 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	0.446	JB	0.0382	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.578	J	0.0508	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.306	JB	0.0353	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.67	JB	0.0493	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.418	JBQ	0.0265	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.58	JB	0.0465	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.138	JBQ	0.0258	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.279	JB	0.0215	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0855	JB	0.00890	MDL	5.30	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.482	JBQ	0.0224	MDL	5.30	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.176	JBQ	0.00900	MDL	5.30	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0197	JB	0.00911	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0409	J	0.0167	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-316-SA5B-SS-0.0-0.5

Collected: 2/8/2011 2:02:00 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	3.81	JB	0.0229	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.260	JB	0.0299	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.358	J	0.0406	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.230	JB	0.0280	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.13	JB	0.0408	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.219	JB	0.0213	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.915	JB	0.0391	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0991	JB	0.0231	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.194	JB	0.0181	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0336	JBQ	0.00776	MDL	5.24	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.285	JBQ	0.0186	MDL	5.24	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-316-SA5B-SS-0.0-0.5

Collected: 2/8/2011 2:02:00 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	0.141	JB	0.00776	MDL	5.24	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0205	JBQ	0.00870	MDL	1.05	PQL	ng/Kg	U	B

Sample ID: SL-319-SA5B-SB-4.0-5.0

Collected: 2/10/2011 3:27:00

Analysis Type: 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	0.865	JB	0.0621	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.112	J	0.0655	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.437	JB	0.0610	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.97	JB	0.0602	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.918	JB	0.0401	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.27	JB	0.0508	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.268	JB	0.0335	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0761	JBQ	0.0162	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0750	JB	0.00697	MDL	5.36	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.335	JB	0.0256	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.125	JB	0.00793	MDL	5.36	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0273	JQ	0.0108	MDL	1.07	PQL	ng/Kg	J	Z

Sample ID: SL-321-SA5B-SS-0.0-0.5

Collected: 2/10/2011 9:06:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.33	JB	0.0867	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	4.21	J	0.0766	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.94	JB	0.0922	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	2.31	JB	0.0703	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.715	JB	0.0660	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.44	JB	0.0810	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.536	JB	0.0268	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	3.69	JB	0.0533	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.15	JB	0.0266	MDL	5.28	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.215	JB	0.0175	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.233	J	0.0315	MDL	1.06	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-327-SA5B-SS-0.0-0.5

Collected: 2/8/2011 3:39:00 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	4.37	JB	0.0205	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.277	JB	0.0227	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.361	J	0.0455	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.232	JBQ	0.0325	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.980	JB	0.0452	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.271	JB	0.0251	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.904	JB	0.0443	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.114	JB	0.0228	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.209	JB	0.0184	MDL	5.20	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.380	JB	0.0197	MDL	5.20	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.210	JBQ	0.00874	MDL	5.20	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0236	JB	0.00937	MDL	1.04	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0369	JQ	0.0250	MDL	1.04	PQL	ng/Kg	J	Z
OCDF	9.57	JB	0.0252	MDL	10.4	PQL	ng/Kg	J	Z

Sample ID: SL-328-SA5B-SS-0.0-0.5

Collected: 2/8/2011 3:09:00 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	2.15	JB	0.0184	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.153	JB	0.0201	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.205	J	0.0453	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.192	JB	0.0390	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.740	JB	0.0438	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.176	JB	0.0282	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.696	JB	0.0392	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.119	JBQ	0.0239	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.136	JB	0.0153	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.142	JB	0.0102	MDL	5.20	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.212	JB	0.0222	MDL	5.20	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.446	JB	0.0103	MDL	5.20	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0182	JBQ	0.00998	MDL	1.04	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0890	JQ	0.0277	MDL	1.04	PQL	ng/Kg	J	Z
OCDF	5.18	JB	0.0261	MDL	10.4	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

EDD Filename: DX048_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX048

Method Blank Outlier Report

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: AQ				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371838	2/17/2011 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 1,2,3,4,7,8-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	0.911 pg/L 0.206 pg/L 0.478 pg/L 0.240 pg/L 0.311 pg/L 0.155 pg/L 0.163 pg/L 0.237 pg/L 0.322 pg/L 0.275 pg/L 0.324 pg/L 0.214 pg/L 0.495 pg/L 0.136 pg/L 0.109 pg/L 2.00 pg/L 0.292 pg/L	EB31-SA5B-021011

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
EB31-SA5B-021011(RES)	1,2,3,4,6,7,8-HPCDD	2.24 pg/L	2.24U pg/L
EB31-SA5B-021011(RES)	1,2,3,4,7,8,9-HPCDF	1.99 pg/L	1.99U pg/L
EB31-SA5B-021011(RES)	1,2,3,7,8-PECDF	1.28 pg/L	1.28U pg/L
EB31-SA5B-021011(RES)	OCDD	3.15 pg/L	3.15U pg/L
EB31-SA5B-021011(RES)	OCDF	1.21 pg/L	1.21U pg/L

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0490B371340	2/24/2011 1:40:00 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	0.135 ng/Kg 0.144 ng/Kg 0.0364 ng/Kg 0.0290 ng/Kg 0.0154 ng/Kg 0.0270 ng/Kg 0.0248 ng/Kg 0.0398 ng/Kg 0.0159 ng/Kg 0.0168 ng/Kg 0.0418 ng/Kg 0.0476 ng/Kg 0.0139 ng/Kg 0.324 ng/Kg 0.153 ng/Kg	DUP-024-QC-021011 SL-048-SA5A-SB-3.0-4.0 SL-049-SA5A-SB-2.0-3.0 SL-160-SA5B-SB-4.0-5.0 SL-164-SA5B-SB-4.0-5.0 SL-313-SA5B-SB-9.0-10.0 SL-314-SA5B-SB-4.0-5.0 SL-315-SA5B-SB-3.0-4.0 SL-315-SA5B-SS-0.0-0.5 SL-316-SA5B-SS-0.0-0.5 SL-319-SA5B-SB-4.0-5.0 SL-321-SA5B-SS-0.0-0.5 SL-327-SA5B-SS-0.0-0.5 SL-328-SA5B-SS-0.0-0.5

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0600B370254	3/6/2011 2:54:00 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 OCDD OCDF	0.118 ng/Kg 0.0509 ng/Kg 0.0321 ng/Kg 0.0135 ng/Kg 0.0267 ng/Kg 0.0102 ng/Kg 0.0145 ng/Kg 0.00946 ng/Kg 0.0364 ng/Kg 0.0125 ng/Kg 0.0121 ng/Kg 0.0191 ng/Kg 0.0394 ng/Kg 0.377 ng/Kg 0.112 ng/Kg	SL-161-SA5B-SB-4.0-5.0 SL-163-SA5B-SB-3.5-4.5 SL-168-SA5B-SB-4.0-5.0 SL-313-SA5B-SB-4.0-5.0
BLK0620B371305	3/6/2011 1:05:00 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	0.355 ng/Kg 0.917 ng/Kg 0.128 ng/Kg 0.0364 ng/Kg 0.169 ng/Kg 0.0400 ng/Kg 0.135 ng/Kg 0.0571 ng/Kg 0.107 ng/Kg 0.0408 ng/Kg 0.0493 ng/Kg 0.271 ng/Kg 0.149 ng/Kg 0.0193 ng/Kg 0.0236 ng/Kg 0.681 ng/Kg 0.618 ng/Kg	SL-162-SA5B-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-048-SA5A-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.277 ng/Kg	0.277U ng/Kg
SL-048-SA5A-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0693 ng/Kg	0.0693U ng/Kg
SL-048-SA5A-SB-3.0-4.0(RES)	1,2,3,4,7,8-HxCDF	0.0458 ng/Kg	0.0458U ng/Kg
SL-048-SA5A-SB-3.0-4.0(RES)	1,2,3,6,7,8-HxCDF	0.0563 ng/Kg	0.0563U ng/Kg
SL-048-SA5A-SB-3.0-4.0(RES)	1,2,3,7,8,9-HxCDD	0.0722 ng/Kg	0.0722U ng/Kg
SL-048-SA5A-SB-3.0-4.0(RES)	1,2,3,7,8,9-HxCDF	0.0465 ng/Kg	0.0465U ng/Kg
SL-048-SA5A-SB-3.0-4.0(RES)	1,2,3,7,8-PECDD	0.0528 ng/Kg	0.0528U ng/Kg
SL-048-SA5A-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0565 ng/Kg	0.0565U ng/Kg
SL-048-SA5A-SB-3.0-4.0(RES)	2,3,4,6,7,8-HxCDF	0.0783 ng/Kg	0.0783U ng/Kg
SL-048-SA5A-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0774 ng/Kg	0.0774U ng/Kg
SL-048-SA5A-SB-3.0-4.0(RES)	2,3,7,8-TCDD	0.0354 ng/Kg	0.0354U ng/Kg
SL-048-SA5A-SB-3.0-4.0(RES)	OCDF	0.431 ng/Kg	0.431U ng/Kg
SL-049-SA5A-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.418 ng/Kg	0.418U ng/Kg
SL-049-SA5A-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0520 ng/Kg	0.0520U ng/Kg
SL-049-SA5A-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDF	0.0982 ng/Kg	0.0982U ng/Kg
SL-049-SA5A-SB-2.0-3.0(RES)	1,2,3,6,7,8-HxCDF	0.0359 ng/Kg	0.0359U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_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-049-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-049-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0350 ng/Kg	0.0350U ng/Kg
SL-049-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0310 ng/Kg	0.0310U ng/Kg
SL-049-SA5A-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0583 ng/Kg	0.0583U ng/Kg
SL-049-SA5A-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0847 ng/Kg	0.0847U ng/Kg
SL-049-SA5A-SB-2.0-3.0(RES)	2,3,7,8-TCDD	0.0193 ng/Kg	0.0193U ng/Kg
SL-160-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-160-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0391 ng/Kg	0.0391U ng/Kg
SL-160-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0715 ng/Kg	0.0715U ng/Kg
SL-160-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0131 ng/Kg	0.0131U ng/Kg
SL-160-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0866 ng/Kg	0.0866U ng/Kg
SL-160-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0165 ng/Kg	0.0165U ng/Kg
SL-161-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0743 ng/Kg	0.0743U ng/Kg
SL-161-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0442 ng/Kg	0.0442U ng/Kg
SL-161-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.135 ng/Kg	0.135U ng/Kg
SL-162-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.377 ng/Kg	0.377U ng/Kg
SL-162-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.175 ng/Kg	0.175U ng/Kg
SL-162-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.168 ng/Kg	0.168U ng/Kg
SL-162-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.728 ng/Kg	0.728U ng/Kg
SL-162-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.303 ng/Kg	0.303U ng/Kg
SL-162-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0755 ng/Kg	0.0755U ng/Kg
SL-163-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8,9-HXCDF	0.102 ng/Kg	0.102U ng/Kg
SL-163-SA5B-SB-3.5-4.5(RES)	1,2,3,7,8-PECDF	0.0537 ng/Kg	0.0537U ng/Kg
SL-163-SA5B-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.154 ng/Kg	0.154U ng/Kg
SL-313-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.152 ng/Kg	0.152U ng/Kg
SL-313-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0431 ng/Kg	0.0431U ng/Kg
SL-313-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.111 ng/Kg	0.111U ng/Kg
SL-313-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.182 ng/Kg	0.182U ng/Kg
SL-313-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.216 ng/Kg	0.216U ng/Kg
SL-313-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0444 ng/Kg	0.0444U ng/Kg
SL-314-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.140 ng/Kg	0.140U ng/Kg
SL-314-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0687 ng/Kg	0.0687U ng/Kg
SL-314-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.209 ng/Kg	0.209U ng/Kg
SL-314-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0408 ng/Kg	0.0408U ng/Kg
SL-315-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.182 ng/Kg	0.182U ng/Kg
SL-315-SA5B-SB-3.0-4.0(RES)	2,3,7,8-TCDD	0.0282 ng/Kg	0.0282U ng/Kg
SL-315-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.138 ng/Kg	0.138U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_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-315-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.176 ng/Kg	0.176U ng/Kg
SL-315-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0197 ng/Kg	0.0197U ng/Kg
SL-316-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0991 ng/Kg	0.0991U ng/Kg
SL-316-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0336 ng/Kg	0.0336U ng/Kg
SL-316-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.141 ng/Kg	0.141U ng/Kg
SL-316-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0205 ng/Kg	0.0205U ng/Kg
SL-319-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0761 ng/Kg	0.0761U ng/Kg
SL-319-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0750 ng/Kg	0.0750U ng/Kg
SL-319-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.125 ng/Kg	0.125U ng/Kg
SL-327-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.114 ng/Kg	0.114U ng/Kg
SL-327-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.210 ng/Kg	0.210U ng/Kg
SL-327-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0236 ng/Kg	0.0236U ng/Kg
SL-328-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.153 ng/Kg	0.153U ng/Kg
SL-328-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.119 ng/Kg	0.119U ng/Kg
SL-328-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0182 ng/Kg	0.0182U ng/Kg

Internal Standard Outlier Report

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB31-SA5B-021011	13C-1,2,3,4,6,7,8-HpCDF	4	28.00-143.00	1,2,3,4,6,7,8-HpCDF	J (all detects) UJ(all non-detects)
	13C-1,2,3,4,7,8-HxCDD	9	32.00-141.00	1,2,3,4,7,8-HxCDD	
	13C-1,2,3,4,7,8-HxCDF	4	26.00-152.00	1,2,3,4,7,8-HxCDF	
	13C-1,2,3,6,7,8-HxCDF	5	26.00-123.00	1,2,3,6,7,8-HxCDF	
	13C-OCDF	8	17.00-157.00	OCDF	
EB31-SA5B-021011	13C-1,2,3,4,6,7,8-HpCDD	14	23.00-140.00	1,2,3,4,6,7,8-HpCDD	J(all detects) UJ(all non-detects)
	13C-1,2,3,4,7,8,9-HpCDF	14	26.00-138.00	1,2,3,4,7,8,9-HpCDF	
	13C-1,2,3,6,7,8-HxCDD	11	28.00-130.00	1,2,3,6,7,8-HxCDD	
	13C-1,2,3,7,8-PeCDD	21	25.00-181.00	1,2,3,7,8-PeCDD	
	13C-2,3,4,6,7,8-HxCDF	18	28.00-136.00	2,3,4,6,7,8-HxCDF	
	13C-2,3,4,7,8-PeCDF	14	21.00-178.00	2,3,4,7,8-PeCDF	
	13C-OCDD	12	17.00-157.00	OCDD	

Field Duplicate RPD Report

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-333-SA5B-SS-0.0-0.5	DUP-024-QC-021011			
MOISTURE	5.8	6.800000000	16		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-333-SA5B-SS-0.0-0.5	DUP-024-QC-021011			
1,2,3,4,6,7,8-HPCDD	324	321.000000000	1	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	54.1	52.900000000	2	50.00	
1,2,3,4,7,8,9-HPCDF	4.49	4.710000000	5	50.00	
1,2,3,4,7,8-HxCDD	4.08	4.110000000	1	50.00	
1,2,3,4,7,8-HxCDF	3.25	3.860000000	17	50.00	
1,2,3,6,7,8-HxCDD	8.49	8.910000000	5	50.00	
1,2,3,6,7,8-HxCDF	3.14	3.050000000	3	50.00	
1,2,3,7,8,9-HxCDD	7.84	8.240000000	5	50.00	
1,2,3,7,8,9-HxCDF	0.924	1.300000000	34	50.00	
1,2,3,7,8-PECDD	1.76	2.040000000	15	50.00	
1,2,3,7,8-PECDF	0.311	0.397000000	24	50.00	
2,3,4,6,7,8-HxCDF	2.48	2.690000000	8	50.00	
2,3,4,7,8-PECDF	1.02	1.410000000	32	50.00	
2,3,7,8-TCDD	0.113	0.170000000	40	50.00	
2,3,7,8-TCDF	0.106	0.142000000	29	50.00	
OCDD	3900	3810.000000000	2	50.00	
OCDF	98.5	99.400000000	1	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB31-SA5B-021011	1,2,3,4,6,7,8-HPCDD	JB	2.24	10.3	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	3.44	10.3	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	1.99	10.3	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JB	1.25	10.3	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JB	2.61	10.3	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JB	3.93	10.3	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JB	3.73	10.3	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JBQ	2.52	10.3	PQL	pg/L	
	1,2,3,7,8,9-HxCDF	JB	2.72	10.3	PQL	pg/L	
	1,2,3,7,8-PECDD	JB	3.53	10.3	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	1.28	10.3	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JB	1.83	10.3	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	3.35	10.3	PQL	pg/L	
	2,3,7,8-TCDF	JB	0.956	2.05	PQL	pg/L	
	OCDD	JB	3.15	20.5	PQL	pg/L	
	OCDF	JB	1.21	20.5	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-024-QC-021011	1,2,3,4,7,8,9-HPCDF	JB	4.71	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	4.11	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	3.86	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	3.05	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	1.30	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.04	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.397	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	2.69	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.41	5.36	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.170	1.07	PQL	ng/Kg	
SL-048-SA5A-SB-3.0-4.0	2,3,7,8-TCDF	JQ	0.142	1.07	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JB	0.923	5.49	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.277	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0693	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0314	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0458	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0847	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0563	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0722	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0465	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0528	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0565	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0783	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0774	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0354	1.10	PQL	ng/Kg	
	OCDD	JB	7.72	11.0	PQL	ng/Kg	
	OCDF	JB	0.431	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-049-SA5A-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	1.75	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.418	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-HxCDD	JQ	0.0325	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0982	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.112	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0359	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.165	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.111	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0350	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0310	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0583	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0847	5.69	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0193	1.14	PQL	ng/Kg	
	OCDF	JB	1.29	11.4	PQL	ng/Kg	
SL-160-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.10	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.290	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0918	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.227	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.512	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.120	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.245	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0391	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0715	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0131	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.219	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0866	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0165	1.10	PQL	ng/Kg	
	OCDF	JB	4.66	11.0	PQL	ng/Kg	
SL-161-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	4.21	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.483	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.246	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.334	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.13	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.256	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.591	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0743	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.130	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0442	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.329	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.135	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0344	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0746	1.11	PQL	ng/Kg	
	OCDF	JB	9.85	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-162-SA5B-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	0.827	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.481	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.878	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.61	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.377	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.940	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.175	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.249	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.168	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.728	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.303	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0755	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.175	1.13	PQL	ng/Kg	
SL-163-SA5B-SB-3.5-4.5	1,2,3,4,7,8,9-HPCDF	JB	0.716	5.39	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.394	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.415	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.48	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.290	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.801	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.102	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.148	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0537	5.39	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.414	5.39	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.154	5.39	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0819	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.145	1.08	PQL	ng/Kg	
SL-164-SA5B-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	1.43	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.992	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.04	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.84	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.774	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.07	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.284	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.446	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.352	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.01	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.704	5.40	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0833	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.821	1.08	PQL	ng/Kg	
SL-168-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.82	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.344	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.199	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.322	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.966	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.177	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.718	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.301	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.115	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.103	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.253	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.201	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0206	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.148	1.12	PQL	ng/Kg	
	OCDF	JB	6.45	11.2	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-313-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.19	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.195	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.211	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.139	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.799	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.151	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.684	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.152	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.119	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0431	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.168	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.111	5.55	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0250	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0198	1.11	PQL	ng/Kg	
	OCDF	JB	5.78	11.1	PQL	ng/Kg	
SL-313-SA5B-SB-9.0-10.0	1,2,3,4,7,8,9-HPCDF	JB	0.470	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.931	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.318	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.12	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.466	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.43	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.182	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.532	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0885	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.747	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.216	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0444	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0499	1.12	PQL	ng/Kg	
SL-314-SA5B-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JBQ	0.645	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.979	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.384	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.18	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.492	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.55	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.140	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.592	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0687	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.737	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.209	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0408	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0337	1.11	PQL	ng/Kg	
SL-315-SA5B-SB-3.0-4.0	1,2,3,4,7,8,9-HPCDF	JB	0.778	5.39	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.141	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.424	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.81	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.637	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.22	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.254	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.105	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.123	5.39	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.325	5.39	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.182	5.39	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0282	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0325	1.08	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-315-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.446	5.30	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.578	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.306	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.67	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.418	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.58	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.138	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.279	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0855	5.30	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.482	5.30	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.176	5.30	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0197	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0409	1.06	PQL	ng/Kg	
SL-316-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.81	5.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.260	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.358	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.230	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.13	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.219	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.915	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0991	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.194	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0336	5.24	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.285	5.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.141	5.24	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0205	1.05	PQL	ng/Kg	
SL-319-SA5B-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	0.865	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.112	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.437	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.97	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.918	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.27	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.268	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0761	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0750	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.335	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.125	5.36	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0273	1.07	PQL	ng/Kg	
SL-321-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.33	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	4.21	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.94	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	2.31	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.715	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.44	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.536	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	3.69	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.15	5.28	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.215	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.233	1.06	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX048

Laboratory: LL

EDD Filename: DX048_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-327-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.37	5.20	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.277	5.20	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.361	5.20	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.232	5.20	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.980	5.20	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.271	5.20	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.904	5.20	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.114	5.20	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.209	5.20	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.380	5.20	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.210	5.20	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0236	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0369	1.04	PQL	ng/Kg	
	OCDF	JB	9.57	10.4	PQL	ng/Kg	
SL-328-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.15	5.20	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.153	5.20	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.205	5.20	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.192	5.20	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.740	5.20	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.176	5.20	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.696	5.20	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.119	5.20	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.136	5.20	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.142	5.20	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.212	5.20	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.446	5.20	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0182	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0890	1.04	PQL	ng/Kg	
	OCDF	JB	5.18	10.4	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX049

Attachment I

Sample ID Cross Reference and Data Review Level

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Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
09-Feb-2011	SL-314-SA5B-SS-0.0-0.5	6202517	N	METHOD	1613B	III
09-Feb-2011	SL-328-SA5B-SB-3.5-4.5	6202527	N	METHOD	1613B	III
09-Feb-2011	SL-319-SA5B-SS-0.0-0.5	6202521	N	METHOD	1613B	III
09-Feb-2011	SL-326-SA5B-SS-0.0-0.5	6202526	N	METHOD	1613B	III
09-Feb-2011	SL-316-SA5B-SB-4.5-5.5	6202518	N	METHOD	1613B	III
09-Feb-2011	SL-324-SA5B-SS-0.0-0.5	6202524	N	METHOD	1613B	III
09-Feb-2011	SL-323-SA5B-SS-0.0-0.5	6202523	N	METHOD	1613B	III
10-Feb-2011	SL-326-SA5B-SB-9.0-10.0	6203642	N	METHOD	1613B	III
10-Feb-2011	SL-326-SA5B-SB-14.0-15.0	6203640	N	METHOD	1613B	III
10-Feb-2011	SL-326-SA5B-SB-18.5-19.5	6203641	N	METHOD	1613B	III
10-Feb-2011	SL-322-SA5B-SS-0.0-0.5	6203639	N	METHOD	1613B	III
10-Feb-2011	SL-329-SA5B-SS-0.0-0.5	6203643	N	METHOD	1613B	III
10-Feb-2011	SL-330-SA5B-SS-0.0-0.5	6203644	N	METHOD	1613B	III
10-Feb-2011	SL-331-SA5B-SS-0.0-0.5	6203645	N	METHOD	1613B	III
10-Feb-2011	SL-333-SA5B-SS-0.0-0.5	6203647	N	METHOD	1613B	III
10-Feb-2011	SL-333-SA5B-SS-0.0-0.5MS	6203648	MS	METHOD	1613B	III
10-Feb-2011	SL-333-SA5B-SS-0.0-0.5MSD	6203649	MSD	METHOD	1613B	III
10-Feb-2011	SL-332-SA5B-SS-0.0-0.5	6203646	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-314-SA5B-SS-0.0-0.5

Collected: 2/9/2011 9:08:00 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	1.66	JBQ	0.0781	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.152	JBQ	0.0994	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.148	JB	0.104	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.155	JBQ	0.0754	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.484	JB	0.103	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0993	JBQ	0.0654	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.433	JBQ	0.0981	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.161	JBQ	0.0756	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.118	JBQ	0.0814	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0685	JB	0.0470	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.143	JBQ	0.0626	MDL	5.41	PQL	ng/Kg	U	B
OCDF	4.73	JB	0.145	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-316-SA5B-SB-4.5-5.5

Collected: 2/9/2011 11:43:00

Analysis Type: RES

Dilution: 1

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	0.921	JB	0.0199	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0907	JBQ	0.0250	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0910	JB	0.0257	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.365	JB	0.0458	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0637	JB	0.0200	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.248	JB	0.0440	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.148	JB	0.0221	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0549	JBQ	0.0202	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0717	JBQ	0.0125	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0611	JBQ	0.0189	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.107	JBQ	0.0125	MDL	5.34	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0179	JBQ	0.0127	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0241	JBQ	0.0178	MDL	1.07	PQL	ng/Kg	U	B
OCDF	2.69	JB	0.0203	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-319-SA5B-SS-0.0-0.5

Collected: 2/9/2011 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
1,2,3,4,7,8,9-HPCDF	0.800	JB	0.0501	MDL	5.34	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-319-SA5B-SS-0.0-0.5

Collected: 2/9/2011 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
1,2,3,4,7,8-HxCDD	0.977	J	0.0876	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.733	JB	0.0578	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.99	JB	0.0913	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.685	JB	0.0464	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.12	JB	0.0864	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.262	JB	0.0519	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.490	JB	0.0382	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.159	JBQ	0.0137	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.922	JB	0.0434	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.312	JB	0.0128	MDL	5.34	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0326	JBQ	0.0130	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0685	JB	0.0249	MDL	1.07	PQL	ng/Kg	J	Z

Sample ID: SL-322-SA5B-SS-0.0-0.5

Collected: 2/10/2011 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
1,2,3,4,7,8,9-HPCDF	2.16	JB	0.0653	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.49	J	0.0941	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	1.45	JB	0.104	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	1.93	JB	0.0769	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	4.91	JB	0.0779	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.508	JB	0.0525	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.22	JB	0.0505	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.248	JB	0.0197	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.96	JB	0.0526	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.640	JB	0.0204	MDL	5.28	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.117	JB	0.0126	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.122	JBQ	0.0201	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-323-SA5B-SS-0.0-0.5

Collected: 2/9/2011 3:14:00 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	1.59	JB	0.302	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	1.53	JB	0.546	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	1.21	JBQ	0.373	MDL	5.24	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-323-SA5B-SS-0.0-0.5

Collected: 2/9/2011 3:14:00 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	3.96	JB	0.547	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.797	JBQ	0.304	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	3.79	JB	0.516	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.679	JB	0.297	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.777	JBQ	0.241	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.378	JBQ	0.122	MDL	5.24	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	1.34	JB	0.266	MDL	5.24	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.552	JB	0.115	MDL	5.24	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.183	JQ	0.181	MDL	1.05	PQL	ng/Kg	J	Z

Sample ID: SL-324-SA5B-SS-0.0-0.5

Collected: 2/9/2011 2:24:00 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	1.92	JB	0.0783	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.94	J	0.108	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.31	JB	0.126	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.829	JB	0.0923	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.692	JB	0.0699	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.790	JB	0.0457	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.372	JB	0.0211	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.33	JB	0.0617	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.713	JBQ	0.0199	MDL	5.33	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0720	JBQ	0.0193	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.105	JBQ	0.0229	MDL	1.07	PQL	ng/Kg	J	Z
OCDD	13900	EB	0.360	MDL	10.7	PQL	ng/Kg	J	*XI

Sample ID: SL-326-SA5B-SB-14.0-15.0

Collected: 2/10/2011 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	4.37	JB	0.0300	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.450	JB	0.0193	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0540	JB	0.0285	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0386	JQ	0.0233	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0567	JBQ	0.0181	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.191	JB	0.0231	MDL	5.85	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-326-SA5B-SB-14.0-15.0

Collected: 2/10/2011 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
1,2,3,6,7,8-HXCDF	0.0393	JBQ	0.0119	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.198	JB	0.0220	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.104	JB	0.0150	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0382	JBQ	0.0116	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0355	JBQ	0.00902	MDL	5.85	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0331	JBQ	0.0114	MDL	5.85	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0844	JB	0.0101	MDL	5.85	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0278	JB	0.00913	MDL	1.17	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0187	JBQ	0.0141	MDL	1.17	PQL	ng/Kg	U	B
OCDF	1.07	JB	0.0282	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-326-SA5B-SB-18.5-19.5

Collected: 2/10/2011 9:09:00

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	2.23	JB	0.0293	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.243	JB	0.0354	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.106	J	0.0468	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.134	JB	0.0377	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.394	JB	0.0468	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0978	JB	0.0277	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.347	JB	0.0446	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0992	JBQ	0.0295	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0718	JBQ	0.0181	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.142	JB	0.0186	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.103	JB	0.0246	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.156	JBQ	0.0198	MDL	5.55	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0305	JBQ	0.0112	MDL	1.11	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.397	JBQ	0.0370	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	8.81	JB	0.0316	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-326-SA5B-SB-9.0-10.0

Collected: 2/10/2011 8:48:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.79	JB	0.0238	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.157	JB	0.0358	MDL	5.59	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-326-SA5B-SB-9.0-10.0

Collected: 2/10/2011 8:48:00

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-HxCDD	0.150	J	0.0536	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.197	JB	0.0301	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.11	JB	0.0547	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.121	JB	0.0235	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.582	JB	0.0529	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.158	JBQ	0.0268	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0470	JBQ	0.0154	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0494	JBQ	0.0120	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.103	JBQ	0.0224	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.187	JB	0.0130	MDL	5.59	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0198	JBQ	0.0106	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0774	JB	0.0218	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	7.10	JB	0.0247	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-326-SA5B-SS-0.0-0.5

Collected: 2/9/2011 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	1.42	JB	0.0683	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.15	J	0.0983	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.923	JB	0.0975	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	4.40	JB	0.0932	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	1.18	JB	0.0756	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	4.87	JB	0.0862	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.358	JB	0.0584	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.19	JB	0.0589	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.166	JB	0.0182	MDL	5.29	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.73	JB	0.0512	MDL	5.29	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.374	JB	0.0171	MDL	5.29	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.118	JBQ	0.0162	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.114	JBQ	0.0251	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-328-SA5B-SB-3.5-4.5

Collected: 2/9/2011 9:54:00 AM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.656	JBQ	0.0614	MDL	5.37	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA		
Method:	1613B	Matrix:	SO

Sample ID: SL-328-SA5B-SB-3.5-4.5

Collected: 2/9/2011 9:54:00 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-HxCDD	0.151	JQ	0.0837	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.344	JB	0.0893	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.12	JB	0.0737	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.722	JB	0.0639	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.71	JB	0.0591	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.212	JB	0.0411	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.219	JBQ	0.0273	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0951	JBQ	0.0118	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.241	JB	0.0333	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.125	JBQ	0.0131	MDL	5.37	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0266	JBQ	0.0183	MDL	1.07	PQL	ng/Kg	U	B

Sample ID: SL-329-SA5B-SS-0.0-0.5

Collected: 2/10/2011 9:48:00

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	0.939	JB	0.0361	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.420	J	0.0701	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.773	JB	0.0676	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.39	JB	0.0637	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.475	JB	0.0495	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.899	JB	0.0565	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.278	JBQ	0.0343	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.202	JB	0.0204	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0633	JBQ	0.0114	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.456	JB	0.0315	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.242	JB	0.0109	MDL	5.31	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0376	JBQ	0.00892	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0180	JBQ	0.00998	MDL	1.06	PQL	ng/Kg	U	B

Sample ID: SL-330-SA5B-SS-0.0-0.5

Collected: 2/10/2011 10:08:00

Analysis Type: 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	3.57	JB	0.0786	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.82	J	0.120	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	2.81	JB	0.121	MDL	5.21	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-330-SA5B-SS-0.0-0.5

Collected: 2/10/2011 10:08:00

Analysis 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	2.63	JB	0.0890	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.968	JB	0.0610	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.37	JB	0.0613	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.402	JB	0.0197	MDL	5.21	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.41	JB	0.0578	MDL	5.21	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.674	JB	0.0198	MDL	5.21	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.130	JB	0.0142	MDL	1.04	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.123	JB	0.0257	MDL	1.04	PQL	ng/Kg	J	Z

Sample ID: SL-331-SA5B-SS-0.0-0.5

Collected: 2/10/2011 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
1,2,3,4,7,8,9-HPCDF	1.20	JB	0.0446	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.386	J	0.0720	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.09	JB	0.0900	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.919	JB	0.0652	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.62	JB	0.0630	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.726	JB	0.0566	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.609	JB	0.0452	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.280	JB	0.0220	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.697	JB	0.0200	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.11	JB	0.0423	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.967	JB	0.0207	MDL	5.26	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0457	JB	0.0102	MDL	1.05	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.213	JB	0.0197	MDL	1.05	PQL	ng/Kg	J	Z
OCDF	8.53	JB	0.0280	MDL	10.5	PQL	ng/Kg	J	Z

Sample ID: SL-332-SA5B-SS-0.0-0.5

Collected: 2/10/2011 2:23:00

Analysis Type: RES

Dilution: 1

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	2.80	JB	0.0289	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.322	JB	0.0355	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0989	J	0.0467	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.544	JB	0.0479	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.568	JB	0.0481	MDL	5.41	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-332-SA5B-SS-0.0-0.5

Collected: 2/10/2011 2:23:00

Analysis 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	0.279	JB	0.0368	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.361	JB	0.0454	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.143	JB	0.0358	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0716	JBQ	0.0128	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.106	JBQ	0.0238	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.271	JBQ	0.0311	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.627	JB	0.0235	MDL	5.41	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0103	JBQ	0.00800	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0556	JB	0.0254	MDL	1.08	PQL	ng/Kg	J	Z
OCDF	5.93	JB	0.0214	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-333-SA5B-SS-0.0-0.5

Collected: 2/10/2011 1:05:00

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	324	B	0.235	MDL	5.31	PQL	ng/Kg	J	Q, Q
1,2,3,4,7,8,9-HPCDF	4.49	JB	0.106	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	4.08	J	0.173	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	3.25	JB	0.187	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	3.14	JB	0.135	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.924	JB	0.0893	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.76	JB	0.0798	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.311	JB	0.0412	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.48	JB	0.0874	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.02	JB	0.0383	MDL	5.31	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.113	JBQ	0.0166	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.106	JB	0.0401	MDL	1.06	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_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 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
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX049

Method Blank Outlier Report

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0480B371428	2/22/2011 2:28:00 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	0.119 ng/Kg 0.0427 ng/Kg 0.0202 ng/Kg 0.0263 ng/Kg 0.0117 ng/Kg 0.0167 ng/Kg 0.0162 ng/Kg 0.0163 ng/Kg 0.0287 ng/Kg 0.0112 ng/Kg 0.0117 ng/Kg 0.0490 ng/Kg 0.0120 ng/Kg 0.00997 ng/Kg 0.260 ng/Kg 0.121 ng/Kg	SL-316-SA5B-SB-4.5-5.5 SL-319-SA5B-SS-0.0-0.5 SL-322-SA5B-SS-0.0-0.5 SL-324-SA5B-SS-0.0-0.5 SL-326-SA5B-SB-14.0-15.0 SL-326-SA5B-SB-18.5-19.5 SL-326-SA5B-SB-9.0-10.0 SL-326-SA5B-SS-0.0-0.5 SL-328-SA5B-SB-3.5-4.5 SL-329-SA5B-SS-0.0-0.5 SL-330-SA5B-SS-0.0-0.5 SL-331-SA5B-SS-0.0-0.5 SL-332-SA5B-SS-0.0-0.5 SL-333-SA5B-SS-0.0-0.5
BLK0560B372328	3/2/2011 11:28:00 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	1.91 ng/Kg 1.22 ng/Kg 1.03 ng/Kg 0.756 ng/Kg 0.719 ng/Kg 0.715 ng/Kg 0.595 ng/Kg 0.728 ng/Kg 1.24 ng/Kg 1.01 ng/Kg 0.694 ng/Kg 0.739 ng/Kg 0.579 ng/Kg 5.72 ng/Kg 1.98 ng/Kg	SL-314-SA5B-SS-0.0-0.5 SL-323-SA5B-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-314-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	1.66 ng/Kg	1.66U ng/Kg
SL-314-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.152 ng/Kg	0.152U ng/Kg
SL-314-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.148 ng/Kg	0.148U ng/Kg
SL-314-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.155 ng/Kg	0.155U ng/Kg
SL-314-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.484 ng/Kg	0.484U ng/Kg
SL-314-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0993 ng/Kg	0.0993U ng/Kg
SL-314-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.433 ng/Kg	0.433U ng/Kg
SL-314-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.161 ng/Kg	0.161U ng/Kg
SL-314-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.118 ng/Kg	0.118U ng/Kg
SL-314-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0685 ng/Kg	0.0685U ng/Kg
SL-314-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.143 ng/Kg	0.143U ng/Kg
SL-314-SA5B-SS-0.0-0.5(RES)	OCDF	4.73 ng/Kg	4.73U ng/Kg
SL-316-SA5B-SB-4.5-5.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0907 ng/Kg	0.0907U ng/Kg
SL-316-SA5B-SB-4.5-5.5(RES)	1,2,3,4,7,8-HXCDF	0.0910 ng/Kg	0.0910U ng/Kg
SL-316-SA5B-SB-4.5-5.5(RES)	1,2,3,6,7,8-HXCDF	0.0637 ng/Kg	0.0637U ng/Kg
SL-316-SA5B-SB-4.5-5.5(RES)	1,2,3,7,8-PECDD	0.0549 ng/Kg	0.0549U ng/Kg
SL-316-SA5B-SB-4.5-5.5(RES)	2,3,4,7,8-PECDF	0.107 ng/Kg	0.107U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_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-316-SA5B-SB-4.5-5.5(RES)	2,3,7,8-TCDD	0.0179 ng/Kg	0.0179U ng/Kg
SL-316-SA5B-SB-4.5-5.5(RES)	2,3,7,8-TCDF	0.0241 ng/Kg	0.0241U ng/Kg
SL-319-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0326 ng/Kg	0.0326U ng/Kg
SL-323-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	1.59 ng/Kg	1.59U ng/Kg
SL-323-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	1.53 ng/Kg	1.53U ng/Kg
SL-323-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	1.21 ng/Kg	1.21U ng/Kg
SL-323-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.797 ng/Kg	0.797U ng/Kg
SL-323-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.679 ng/Kg	0.679U ng/Kg
SL-323-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.777 ng/Kg	0.777U ng/Kg
SL-323-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.378 ng/Kg	0.378U ng/Kg
SL-323-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	1.34 ng/Kg	1.34U ng/Kg
SL-323-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.552 ng/Kg	0.552U ng/Kg
SL-326-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0540 ng/Kg	0.0540U ng/Kg
SL-326-SA5B-SB-14.0-15.0(RES)	1,2,3,4,7,8-HxCDF	0.0567 ng/Kg	0.0567U ng/Kg
SL-326-SA5B-SB-14.0-15.0(RES)	1,2,3,6,7,8-HxCDF	0.0393 ng/Kg	0.0393U ng/Kg
SL-326-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8-PECDD	0.0382 ng/Kg	0.0382U ng/Kg
SL-326-SA5B-SB-14.0-15.0(RES)	1,2,3,7,8-PECDF	0.0355 ng/Kg	0.0355U ng/Kg
SL-326-SA5B-SB-14.0-15.0(RES)	2,3,4,6,7,8-HxCDF	0.0331 ng/Kg	0.0331U ng/Kg
SL-326-SA5B-SB-14.0-15.0(RES)	2,3,4,7,8-PECDF	0.0844 ng/Kg	0.0844U ng/Kg
SL-326-SA5B-SB-14.0-15.0(RES)	2,3,7,8-TCDD	0.0278 ng/Kg	0.0278U ng/Kg
SL-326-SA5B-SB-14.0-15.0(RES)	2,3,7,8-TCDF	0.0187 ng/Kg	0.0187U ng/Kg
SL-326-SA5B-SB-18.5-19.5(RES)	1,2,3,7,8-PECDD	0.0718 ng/Kg	0.0718U ng/Kg
SL-326-SA5B-SB-18.5-19.5(RES)	2,3,4,7,8-PECDF	0.156 ng/Kg	0.156U ng/Kg
SL-326-SA5B-SB-18.5-19.5(RES)	2,3,7,8-TCDD	0.0305 ng/Kg	0.0305U ng/Kg
SL-326-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0470 ng/Kg	0.0470U ng/Kg
SL-326-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0494 ng/Kg	0.0494U ng/Kg
SL-326-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.187 ng/Kg	0.187U ng/Kg
SL-326-SA5B-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0198 ng/Kg	0.0198U ng/Kg
SL-328-SA5B-SB-3.5-4.5(RES)	2,3,4,7,8-PECDF	0.125 ng/Kg	0.125U ng/Kg
SL-328-SA5B-SB-3.5-4.5(RES)	2,3,7,8-TCDF	0.0266 ng/Kg	0.0266U ng/Kg
SL-329-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.242 ng/Kg	0.242U ng/Kg
SL-329-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0376 ng/Kg	0.0376U ng/Kg
SL-329-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0180 ng/Kg	0.0180U ng/Kg
SL-331-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0457 ng/Kg	0.0457U ng/Kg
SL-332-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0716 ng/Kg	0.0716U ng/Kg
SL-332-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0103 ng/Kg	0.0103U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_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-333-SA5B-SS-0.0-0.5MSD (SL-333-SA5B-SS-0.0-0.5)	1,2,3,4,6,7,8-HPCDD	-	170	40.00-135.00	31 (20.00)	1,2,3,4,6,7,8-HPCDD	J (all detects)
SL-333-SA5B-SS-0.0-0.5MS SL-333-SA5B-SS-0.0-0.5MSD (SL-333-SA5B-SS-0.0-0.5)	OCDD	-104	617	40.00-135.00	34 (20.00)	OCDD	No Qual, >4x

Field Duplicate RPD Report

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-333-SA5B-SS-0.0-0.5	DUP-024-QC-021011			
MOISTURE	5.8	6.800000000	16		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-333-SA5B-SS-0.0-0.5	DUP-024-QC-021011			
1,2,3,4,6,7,8-HPCDD	324	321.000000000	1	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	54.1	52.900000000	2	50.00	
1,2,3,4,7,8,9-HPCDF	4.49	4.710000000	5	50.00	
1,2,3,4,7,8-HxCDD	4.08	4.110000000	1	50.00	
1,2,3,4,7,8-HxCDF	3.25	3.860000000	17	50.00	
1,2,3,6,7,8-HxCDD	8.49	8.910000000	5	50.00	
1,2,3,6,7,8-HxCDF	3.14	3.050000000	3	50.00	
1,2,3,7,8,9-HxCDD	7.84	8.240000000	5	50.00	
1,2,3,7,8,9-HxCDF	0.924	1.300000000	34	50.00	
1,2,3,7,8-PECDD	1.76	2.040000000	15	50.00	
1,2,3,7,8-PECDF	0.311	0.397000000	24	50.00	
2,3,4,6,7,8-HxCDF	2.48	2.690000000	8	50.00	
2,3,4,7,8-PECDF	1.02	1.410000000	32	50.00	
2,3,7,8-TCDD	0.113	0.170000000	40	50.00	
2,3,7,8-TCDF	0.106	0.142000000	29	50.00	
OCDD	3900	3810.000000000	2	50.00	
OCDF	98.5	99.400000000	1	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-314-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JBQ	1.66	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.152	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.148	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.155	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.484	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0993	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.433	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.161	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.118	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0685	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.143	5.41	PQL	ng/Kg	
	OCDF	JB	4.73	10.8	PQL	ng/Kg	
SL-316-SA5B-SB-4.5-5.5	1,2,3,4,6,7,8-HPCDF	JB	0.921	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0907	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0910	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.365	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0637	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.248	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.148	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0549	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0717	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0611	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.107	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0179	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0241	1.07	PQL	ng/Kg	
SL-319-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.800	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.977	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.733	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.99	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.685	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.12	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.262	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.490	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.159	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.922	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.312	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0326	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0685	1.07	PQL	ng/Kg	
SL-322-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.16	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	2.49	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.45	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.93	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	4.91	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.508	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.22	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.248	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.96	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.640	5.28	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.117	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.122	1.06	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-323-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.59	5.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.53	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	1.21	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.96	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.797	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.79	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.679	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.777	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.378	5.24	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.34	5.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.552	5.24	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.183	1.05	PQL	ng/Kg	
SL-324-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.92	5.33	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	1.94	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.31	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.829	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.692	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.790	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.372	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.33	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.713	5.33	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0720	1.07	PQL	ng/Kg	
SL-326-SA5B-SB-14.0-15.0	2,3,7,8-TCDF	JBQ	0.105	1.07	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDD	JB	4.37	5.85	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.450	5.85	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0540	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0386	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0567	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.191	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0393	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.198	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.104	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0382	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0355	5.85	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0331	5.85	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0844	5.85	PQL	ng/Kg	
SL-326-SA5B-SB-18.5-19.5	2,3,7,8-TCDD	JB	0.0278	1.17	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDF	JBQ	0.0187	1.17	PQL	ng/Kg	
	OCDF	JB	1.07	11.7	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	2.23	5.55	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.243	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.106	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.134	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.394	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0978	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.347	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0992	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0718	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.142	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.103	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.156	5.55	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0305	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.397	1.11	PQL	ng/Kg	
	OCDF	JB	8.81	11.1	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-326-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	1.79	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HPCDF	JB	0.157	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.150	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.197	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.11	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.121	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.582	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.158	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0470	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0494	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.103	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.187	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0198	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0774	1.12	PQL	ng/Kg	
	OCDF	JB	7.10	11.2	PQL	ng/Kg	
SL-326-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.42	5.29	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	2.15	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.923	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	4.40	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	4.87	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.358	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.19	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.166	5.29	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.73	5.29	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.374	5.29	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.118	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.114	1.06	PQL	ng/Kg	
SL-328-SA5B-SB-3.5-4.5	1,2,3,4,7,8,9-HPCDF	JBQ	0.656	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JQ	0.151	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.344	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.12	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.722	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.71	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.212	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.219	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0951	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.241	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.125	5.37	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0266	1.07	PQL	ng/Kg	
SL-329-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.939	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.420	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.773	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.39	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.475	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.899	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.278	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.202	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0633	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.456	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.242	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0376	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0180	1.06	PQL	ng/Kg	

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Reporting Limit Outliers

Lab Reporting Batch ID: DX049

Laboratory: LL

EDD Filename: DX049_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-330-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	3.57	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	2.82	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.81	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	2.63	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.968	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.37	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.402	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.41	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.674	5.21	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.130	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.123	1.04	PQL	ng/Kg	
SL-331-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.20	5.26	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.386	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.09	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.919	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.62	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.726	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.609	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.280	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.697	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.11	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.967	5.26	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0457	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.213	1.05	PQL	ng/Kg	
	OCDF	JB	8.53	10.5	PQL	ng/Kg	
SL-332-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.80	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.322	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0989	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.544	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.568	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.279	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.361	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.143	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0716	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.106	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.271	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.627	5.41	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0103	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0556	1.08	PQL	ng/Kg	
	OCDF	JB	5.93	10.8	PQL	ng/Kg	
SL-333-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	4.49	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	4.08	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	3.25	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	3.14	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.924	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.76	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.311	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.48	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.02	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.113	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.106	1.06	PQL	ng/Kg	

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

<u>Y</u>	<u>N</u>	<u>N/A</u>
<u>Y</u>	<u>N</u>	<u>N/A</u>

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX050

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-Feb-2011	SL-335-SA5B-SS-0.0-0.5	6203651	N	METHOD	1613B	III
10-Feb-2011	SL-334-SA5B-SS-0.0-0.5	6203650	N	METHOD	1613B	III
11-Feb-2011	SL-049-SA5B-SS-0.0-0.5	6205503	N	METHOD	1613B	III
11-Feb-2011	SL-289-SA5B-SS-0.0-0.5	6205509	N	METHOD	1613B	III
11-Feb-2011	SL-138-SA5B-SS-0.0-0.5	6205504	N	METHOD	1613B	III
11-Feb-2011	SL-144-SA5B-SS-0.0-0.5	6205506	N	METHOD	1613B	III
11-Feb-2011	SL-254-SA5B-SS-0.0-0.5	6205508	N	METHOD	1613B	III
11-Feb-2011	SL-253-SA5B-SS-0.0-0.5	6205507	N	METHOD	1613B	III
11-Feb-2011	SL-141-SA5B-SS-0.0-0.5	6205505	N	METHOD	1613B	III
14-Feb-2011	SL-324-SA5B-SB-4.0-5.0	6205510	N	METHOD	1613B	III
14-Feb-2011	SL-324-SA5B-SB-8.0-9.0	6205511	N	METHOD	1613B	III
15-Feb-2011	SL-323-SA5B-SB-4.0-5.0	6206994	N	METHOD	1613B	III
15-Feb-2011	SL-323-SA5B-SB-11.0-12.0	6206993	N	METHOD	1613B	III
15-Feb-2011	EB30-SA5B-021511	6206992	EB	METHOD	1613B	III
15-Feb-2011	SL-327-SA5B-SB-4.0-5.0	6206995	N	METHOD	1613B	III
15-Feb-2011	SL-329-SA5B-SB-4.0-5.0	6206996	N	METHOD	1613B	III
15-Feb-2011	SL-329-SA5B-SB-4.0-5.0MS	6206997	MS	METHOD	1613B	III
15-Feb-2011	SL-329-SA5B-SB-4.0-5.0MSD	6206998	MSD	METHOD	1613B	III
15-Feb-2011	DUP23-SA5B-QC-021511	6206991	FD	METHOD	1613B	III
15-Feb-2011	SL-330-SA5B-SB-4.0-5.0	6206999	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	AQ

Sample ID: EB30-SA5B-021511

Collected: 2/15/2011 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	1.44	JB	0.197	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.237	JBQ	0.116	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.216	JB	0.118	MDL	10.6	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.300	JB	0.155	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.294	JBQ	0.116	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.289	JBQ	0.191	MDL	10.6	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.226	JBQ	0.101	MDL	10.6	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.138	JBQ	0.108	MDL	10.6	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.355	JB	0.0934	MDL	10.6	PQL	pg/L	U	B
OCDD	3.55	JBQ	0.249	MDL	21.3	PQL	pg/L	U	B
OCDF	0.475	JBQ	0.178	MDL	21.3	PQL	pg/L	U	B

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP23-SA5B-QC-021511

Collected: 2/15/2011 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-HPCDD	51.4	B	0.139	MDL	5.45	PQL	ng/Kg	J	FD
1,2,3,4,6,7,8-HPCDF	3.54	JB	0.0655	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8,9-HPCDF	0.327	JB	0.0772	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDD	0.151	JQ	0.0784	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.249	JB	0.0574	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDD	1.10	JB	0.0857	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.215	JB	0.0519	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDD	0.509	JQ	0.0815	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.185	JB	0.0538	MDL	5.45	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.170	JQ	0.0419	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.187	JB	0.0383	MDL	5.45	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HXCDF	0.310	JB	0.0494	MDL	5.45	PQL	ng/Kg	J	Z, FD
2,3,4,7,8-PECDF	0.167	JB	0.0350	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0436	JQ	0.0315	MDL	1.09	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.109	JQ	0.0685	MDL	1.09	PQL	ng/Kg	J	Z, FD
OCDD	754	B	0.269	MDL	10.9	PQL	ng/Kg	J	FD

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: DUP23-SA5B-QC-021511

Collected: 2/15/2011 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
OCDF	9.69	JB	0.0947	MDL	10.9	PQL	ng/Kg	J	Z, FD

Sample ID: SL-049-SA5B-SS-0.0-0.5

Collected: 2/11/2011 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	0.537	JB	0.0262	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.118	JB	0.00894	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0281	JBQ	0.0102	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0201	JBQ	0.0138	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0348	JB	0.0116	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0346	JBQ	0.0137	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0245	JBQ	0.00894	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0338	JQ	0.0114	MDL	5.14	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0357	JBQ	0.00802	MDL	5.14	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0228	JQ	0.0118	MDL	5.14	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0103	JBQ	0.00637	MDL	5.14	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0206	JBQ	0.00689	MDL	5.14	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0563	JBQ	0.00668	MDL	5.14	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0142	JQ	0.0120	MDL	1.03	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0176	JBQ	0.0116	MDL	1.03	PQL	ng/Kg	U	B
OCDD	5.15	JB	0.0274	MDL	10.3	PQL	ng/Kg	J	Z
OCDF	0.241	JBQ	0.0195	MDL	10.3	PQL	ng/Kg	U	B

Sample ID: SL-138-SA5B-SS-0.0-0.5

Collected: 2/11/2011 9:58:00

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	3050	EB	0.457	MDL	5.51	PQL	ng/Kg	J	*XI
1,2,3,7,8,9-HxCDF	1.66	JB	0.196	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	5.41	J	0.259	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	5.38	JB	0.104	MDL	5.51	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.866	J	0.0998	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.949	J	0.295	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	50100	EB	0.654	MDL	11.0	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-141-SA5B-SS-0.0-0.5

Collected: 2/11/2011 2:11:00

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-HPCDF	3.76	JB	0.0424	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.283	JB	0.0524	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.467	J	0.0661	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.198	JB	0.0421	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.26	JB	0.0676	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.200	JB	0.0402	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.30	J	0.0686	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.364	JB	0.0470	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.337	JQ	0.0403	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.130	JBQ	0.0235	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.232	JB	0.0395	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.226	JB	0.0222	MDL	5.37	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0422	JQ	0.0276	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0533	J	0.0315	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	9.11	JB	0.0621	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-144-SA5B-SS-0.0-0.5

Collected: 2/11/2011 10:44:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	1.61	JB	0.154	MDL	5.50	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	4.94	JB	0.0930	MDL	5.50	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.276	JQ	0.0366	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	13200	EB	0.456	MDL	11.0	PQL	ng/Kg	J	*XI

Sample ID: SL-253-SA5B-SS-0.0-0.5

Collected: 2/11/2011 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-HPCDF	1.55	JBQ	0.0737	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.218	JBQ	0.0452	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.266	JBQ	0.0606	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.170	JBQ	0.0573	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.02	JB	0.0530	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.156	JBQ	0.0410	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.09	J	0.0387	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.678	JB	0.0225	MDL	5.31	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-253-SA5B-SS-0.0-0.5

Collected: 2/11/2011 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
1,2,3,7,8-PECDD	0.312	J	0.0248	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.211	JB	0.0101	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0982	JBQ	0.0199	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.164	JB	0.0110	MDL	5.31	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0705	JQ	0.0118	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0832	JBQ	0.0136	MDL	1.06	PQL	ng/Kg	U	B
OCDF	4.08	JB	0.0438	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SL-254-SA5B-SS-0.0-0.5

Collected: 2/11/2011 1:32:00

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-HPCDF	1.89	JB	0.0774	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.194	JB	0.0447	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.230	JBQ	0.0633	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.315	JB	0.0710	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.35	JB	0.0575	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.216	JB	0.0499	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.15	J	0.0380	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.499	JB	0.0235	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.220	J	0.0186	MDL	5.19	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.137	JB	0.00883	MDL	5.19	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.165	JB	0.0219	MDL	5.19	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.211	JBQ	0.0101	MDL	5.19	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0316	JQ	0.0104	MDL	1.04	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.101	JBQ	0.0187	MDL	1.04	PQL	ng/Kg	U	B
OCDF	4.00	JB	0.0469	MDL	10.4	PQL	ng/Kg	J	Z

Sample ID: SL-289-SA5B-SS-0.0-0.5

Collected: 2/11/2011 9:23:00

Analysis Type: 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	0.0595	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.761	JBQ	0.109	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.29	JBQ	0.0975	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.58	JB	0.0961	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.971	JB	0.0756	MDL	5.29	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-289-SA5B-SS-0.0-0.5

Collected: 2/11/2011 9:23:00

Analysis 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	1.41	J	0.0789	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.444	JB	0.0448	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.406	J	0.0332	MDL	5.29	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.250	JB	0.0192	MDL	5.29	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.766	JB	0.0397	MDL	5.29	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.574	JB	0.0198	MDL	5.29	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0605	J	0.0123	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.138	JB	0.0293	MDL	1.06	PQL	ng/Kg	U	B

Sample ID: SL-323-SA5B-SB-11.0-12.0

Collected: 2/15/2011 8:57:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.79	JB	0.0792	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.516	JB	0.0964	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.01	JB	0.132	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	4.55	JB	0.0915	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.883	JB	0.102	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.02	J	0.0787	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.226	JB	0.0646	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.369	J	0.0262	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.566	JB	0.0799	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.706	JB	0.0577	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.57	JB	0.0791	MDL	5.55	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0414	J	0.0142	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SL-323-SA5B-SB-4.0-5.0

Collected: 2/15/2011 8:44:00

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	5.81	JB	0.0407	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.776	JB	0.0279	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0755	JB	0.0331	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0443	JBQ	0.0298	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.214	JBQ	0.0354	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.230	JBQ	0.0293	MDL	5.82	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-323-SA5B-SB-4.0-5.0

Collected: 2/15/2011 8:44:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.0709	JBQ	0.0256	MDL	5.82	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.240	J	0.0270	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.204	JB	0.0222	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0416	JQ	0.0143	MDL	5.82	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0712	JB	0.0147	MDL	5.82	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0630	JB	0.0190	MDL	5.82	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.170	JBQ	0.0151	MDL	5.82	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0361	JBQ	0.0201	MDL	1.16	PQL	ng/Kg	U	B
OCDF	2.75	JB	0.0447	MDL	11.6	PQL	ng/Kg	J	Z

Sample ID: SL-324-SA5B-SB-4.0-5.0

Collected: 2/14/2011 2:44:00

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-HPCDF	4.32	JB	0.0948	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.418	JB	0.0593	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.376	JB	0.0654	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.85	JB	0.0718	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.12	JB	0.0465	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.01	J	0.0553	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.215	JB	0.0254	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0919	JQ	0.0219	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0750	JB	0.0156	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.165	JB	0.0226	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.240	JB	0.0163	MDL	5.38	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0610	JBQ	0.0251	MDL	1.08	PQL	ng/Kg	U	B

Sample ID: SL-324-SA5B-SB-8.0-9.0

Collected: 2/14/2011 2:52:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.806	JB	0.0867	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.175	JBQ	0.0715	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.357	JBQ	0.0380	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.88	JB	0.0759	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.896	JB	0.0319	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.65	J	0.0710	MDL	5.37	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-324-SA5B-SB-8.0-9.0

Collected: 2/14/2011 2:52:00

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	0.182	JBQ	0.0382	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0376	JQ	0.0173	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.247	JB	0.0328	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.136	JBQ	0.00881	MDL	5.37	PQL	ng/Kg	U	B

Sample ID: SL-327-SA5B-SB-4.0-5.0

Collected: 2/15/2011 11:49:00

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	2.45	JB	0.0872	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.188	JB	0.0510	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.101	JBQ	0.0676	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.221	JBQ	0.0697	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.78	JB	0.0596	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.647	JB	0.0515	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.56	J	0.0460	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.169	JB	0.0258	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.124	JQ	0.0290	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.152	JB	0.0147	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.151	JB	0.0221	MDL	5.43	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0357	JQ	0.0131	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0990	JBQ	0.0180	MDL	1.09	PQL	ng/Kg	U	B
OCDF	9.13	JB	0.0347	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-329-SA5B-SB-4.0-5.0

Collected: 2/15/2011 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	0.387	JB	0.0237	MDL	5.45	PQL	ng/Kg	UJ	B, FD
1,2,3,4,6,7,8-HPCDF	0.0936	JB	0.0103	MDL	5.45	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0141	U	0.0141	MDL	5.45	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HxCDD	0.0213	U	0.0213	MDL	5.45	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HXCDF	0.0280	JBQ	0.0174	MDL	5.45	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDD	0.161	JB	0.0214	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.0687	JB	0.0129	MDL	5.45	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.239	J	0.0204	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.105	JBQ	0.0141	MDL	5.45	PQL	ng/Kg	UJ	B, FD

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-329-SA5B-SB-4.0-5.0

Collected: 2/15/2011 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
1,2,3,7,8-PECDD	0.0422	JQ	0.0126	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.0669	JBQ	0.00731	MDL	5.45	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.0593	JB	0.0108	MDL	5.45	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.132	JB	0.00731	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0219	JQ	0.0104	MDL	1.09	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.0381	JBQ	0.0108	MDL	1.09	PQL	ng/Kg	UJ	B, FD
OCDD	2.61	JB	0.0418	MDL	10.9	PQL	ng/Kg	J	Z, FD
OCDF	0.222	JB	0.0289	MDL	10.9	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-330-SA5B-SB-4.0-5.0

Collected: 2/15/2011 3:58:00

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	0.534	JB	0.0252	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0879	JB	0.0136	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0475	JBQ	0.0129	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0417	JB	0.0214	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0721	JB	0.0222	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0805	JB	0.0200	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0813	JBQ	0.0159	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.159	JQ	0.0178	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.120	JB	0.0111	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0542	J	0.0125	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0573	JB	0.00664	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0366	JBQ	0.00900	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0692	JB	0.00675	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0234	JBQ	0.00889	MDL	1.12	PQL	ng/Kg	U	B
OCDD	2.68	JB	0.0372	MDL	11.2	PQL	ng/Kg	J	Z
OCDF	0.170	JB	0.0244	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-334-SA5B-SS-0.0-0.5

Collected: 2/10/2011 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
1,2,3,4,7,8,9-HPCDF	0.770	JB	0.0602	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.843	JBQ	0.0978	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.654	JB	0.113	MDL	5.61	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-334-SA5B-SS-0.0-0.5

Collected: 2/10/2011 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
1,2,3,6,7,8-HXCDD	2.04	JB	0.0888	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.02	JB	0.0853	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.91	J	0.0829	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.359	JBQ	0.0569	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.402	JQ	0.0361	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.110	JB	0.0305	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.617	JB	0.0499	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.772	JB	0.0292	MDL	5.61	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0518	J	0.0134	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.237	JB	0.0410	MDL	1.12	PQL	ng/Kg	U	B

Sample ID: SL-335-SA5B-SS-0.0-0.5

Collected: 2/10/2011 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
1,2,3,4,7,8,9-HPCDF	0.550	JB	0.0447	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.602	JB	0.111	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.02	JB	0.117	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.20	JB	0.0933	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.565	JB	0.0818	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.08	JQ	0.0644	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.205	JB	0.0391	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.272	JQ	0.0281	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0379	JB	0.0155	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.359	JB	0.0346	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.232	JB	0.0173	MDL	5.49	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0236	J	0.0133	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0336	JBQ	0.0119	MDL	1.10	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_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 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
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX050

Method Blank Outlier Report

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0490B372017	2/21/2011 8:17:00 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	1.49 pg/L 0.492 pg/L 0.481 pg/L 0.172 pg/L 0.289 pg/L 0.274 pg/L 0.240 pg/L 0.378 pg/L 0.377 pg/L 0.317 pg/L 0.386 pg/L 0.378 pg/L 0.504 pg/L 0.139 pg/L 0.102 pg/L 2.53 pg/L 0.777 pg/L	EB30-SA5B-021511

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
EB30-SA5B-021511(RES)	1,2,3,4,6,7,8-HPCDD	1.44 pg/L	1.44U pg/L
EB30-SA5B-021511(RES)	1,2,3,4,6,7,8-HPCDF	0.237 pg/L	0.237U pg/L
EB30-SA5B-021511(RES)	1,2,3,4,7,8,9-HPCDF	0.216 pg/L	0.216U pg/L
EB30-SA5B-021511(RES)	1,2,3,4,7,8-HxCDF	0.300 pg/L	0.300U pg/L
EB30-SA5B-021511(RES)	1,2,3,7,8,9-HxCDF	0.294 pg/L	0.294U pg/L
EB30-SA5B-021511(RES)	1,2,3,7,8-PECDD	0.289 pg/L	0.289U pg/L
EB30-SA5B-021511(RES)	1,2,3,7,8-PECDF	0.226 pg/L	0.226U pg/L
EB30-SA5B-021511(RES)	2,3,4,6,7,8-HxCDF	0.138 pg/L	0.138U pg/L
EB30-SA5B-021511(RES)	2,3,4,7,8-PECDF	0.355 pg/L	0.355U pg/L
EB30-SA5B-021511(RES)	OCDD	3.55 pg/L	3.55U pg/L
EB30-SA5B-021511(RES)	OCDF	0.475 pg/L	0.475U pg/L

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0520B371436	2/25/2011 2:36:00 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-HxCDF 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	0.154 ng/Kg 0.0408 ng/Kg 0.0129 ng/Kg 0.00913 ng/Kg 0.0339 ng/Kg 0.0152 ng/Kg 0.0145 ng/Kg 0.0329 ng/Kg 0.0225 ng/Kg 0.0128 ng/Kg 0.0499 ng/Kg 0.0160 ng/Kg 0.286 ng/Kg 0.0988 ng/Kg	SL-049-SA5B-SS-0.0-0.5 SL-144-SA5B-SS-0.0-0.5 SL-253-SA5B-SS-0.0-0.5 SL-254-SA5B-SS-0.0-0.5 SL-289-SA5B-SS-0.0-0.5 SL-323-SA5B-SB-11.0-12.0 SL-323-SA5B-SB-4.0-5.0 SL-324-SA5B-SB-4.0-5.0 SL-324-SA5B-SB-8.0-9.0 SL-327-SA5B-SB-4.0-5.0 SL-329-SA5B-SB-4.0-5.0 SL-330-SA5B-SB-4.0-5.0 SL-334-SA5B-SS-0.0-0.5 SL-335-SA5B-SS-0.0-0.5

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0520B372051	3/15/2011 8:51:00 PM	2,3,7,8-TCDF	0.0517 ng/Kg	SL-049-SA5B-SS-0.0-0.5 SL-144-SA5B-SS-0.0-0.5 SL-253-SA5B-SS-0.0-0.5 SL-254-SA5B-SS-0.0-0.5 SL-289-SA5B-SS-0.0-0.5 SL-323-SA5B-SB-11.0-12.0 SL-323-SA5B-SB-4.0-5.0 SL-324-SA5B-SB-4.0-5.0 SL-324-SA5B-SB-8.0-9.0 SL-327-SA5B-SB-4.0-5.0 SL-329-SA5B-SB-4.0-5.0 SL-330-SA5B-SB-4.0-5.0 SL-334-SA5B-SS-0.0-0.5 SL-335-SA5B-SS-0.0-0.5
BLK0680B372029	3/9/2011 8:29:00 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-HXCDF 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 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	0.120 ng/Kg 0.0665 ng/Kg 0.0298 ng/Kg 0.0168 ng/Kg 0.0262 ng/Kg 0.0321 ng/Kg 0.0403 ng/Kg 0.0237 ng/Kg 0.0395 ng/Kg 0.0628 ng/Kg 0.362 ng/Kg 0.191 ng/Kg	DUP23-SA5B-QC-021511 SL-138-SA5B-SS-0.0-0.5 SL-141-SA5B-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
DUP23-SA5B-QC-021511(RES)	1,2,3,7,8,9-HXCDF	0.185 ng/Kg	0.185U ng/Kg
DUP23-SA5B-QC-021511(RES)	2,3,4,7,8-PECDF	0.167 ng/Kg	0.167U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	0.537 ng/Kg	0.537U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.118 ng/Kg	0.118U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0281 ng/Kg	0.0281U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0201 ng/Kg	0.0201U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0348 ng/Kg	0.0348U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.0346 ng/Kg	0.0346U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0245 ng/Kg	0.0245U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0357 ng/Kg	0.0357U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0103 ng/Kg	0.0103U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0206 ng/Kg	0.0206U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0563 ng/Kg	0.0563U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0176 ng/Kg	0.0176U ng/Kg
SL-049-SA5B-SS-0.0-0.5(RES)	OCDF	0.241 ng/Kg	0.241U ng/Kg
SL-141-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.226 ng/Kg	0.226U ng/Kg
SL-253-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.164 ng/Kg	0.164U ng/Kg
SL-253-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0832 ng/Kg	0.0832U ng/Kg
SL-254-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.211 ng/Kg	0.211U ng/Kg
SL-254-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.101 ng/Kg	0.101U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_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-289-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.138 ng/Kg	0.138U ng/Kg
SL-323-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0443 ng/Kg	0.0443U ng/Kg
SL-323-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0709 ng/Kg	0.0709U ng/Kg
SL-323-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0712 ng/Kg	0.0712U ng/Kg
SL-323-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0630 ng/Kg	0.0630U ng/Kg
SL-323-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.170 ng/Kg	0.170U ng/Kg
SL-323-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0361 ng/Kg	0.0361U ng/Kg
SL-324-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0750 ng/Kg	0.0750U ng/Kg
SL-324-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.240 ng/Kg	0.240U ng/Kg
SL-324-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0610 ng/Kg	0.0610U ng/Kg
SL-324-SA5B-SB-8.0-9.0(RES)	2,3,4,7,8-PECDF	0.136 ng/Kg	0.136U ng/Kg
SL-327-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0990 ng/Kg	0.0990U ng/Kg
SL-329-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.387 ng/Kg	0.387U ng/Kg
SL-329-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0936 ng/Kg	0.0936U ng/Kg
SL-329-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0280 ng/Kg	0.0280U ng/Kg
SL-329-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDF	0.0687 ng/Kg	0.0687U ng/Kg
SL-329-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.105 ng/Kg	0.105U ng/Kg
SL-329-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0669 ng/Kg	0.0669U ng/Kg
SL-329-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0593 ng/Kg	0.0593U ng/Kg
SL-329-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.132 ng/Kg	0.132U ng/Kg
SL-329-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0381 ng/Kg	0.0381U ng/Kg
SL-329-SA5B-SB-4.0-5.0(RES)	OCDF	0.222 ng/Kg	0.222U ng/Kg
SL-330-SA5B-SB-4.0-5.0(RES)	1,2,3,4,8,7,8-HPCDD	0.534 ng/Kg	0.534U ng/Kg
SL-330-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0879 ng/Kg	0.0879U ng/Kg
SL-330-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0475 ng/Kg	0.0475U ng/Kg
SL-330-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0417 ng/Kg	0.0417U ng/Kg
SL-330-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0721 ng/Kg	0.0721U ng/Kg
SL-330-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.120 ng/Kg	0.120U ng/Kg
SL-330-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0573 ng/Kg	0.0573U ng/Kg
SL-330-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0366 ng/Kg	0.0366U ng/Kg
SL-330-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0692 ng/Kg	0.0692U ng/Kg
SL-330-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0234 ng/Kg	0.0234U ng/Kg
SL-330-SA5B-SB-4.0-5.0(RES)	OCDF	0.170 ng/Kg	0.170U ng/Kg
SL-334-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.110 ng/Kg	0.110U ng/Kg
SL-334-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.237 ng/Kg	0.237U ng/Kg
SL-335-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0379 ng/Kg	0.0379U ng/Kg
SL-335-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.232 ng/Kg	0.232U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_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-335-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0336 ng/Kg	0.0336U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-329-SA5B-SB-4.0-5.0	DUP23-SA5B-QC-021511			
MOISTURE	8.3	8.3	0		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-329-SA5B-SB-4.0-5.0	DUP23-SA5B-QC-021511			
2,3,4,7,8-PECDF	0.132	0.167	23	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDD	0.387	51.4	197	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,6,7,8-HPCDF	0.0936	3.54	190	50.00	
1,2,3,4,7,8,9-HPCDF	5.45 U	0.327	200	50.00	
1,2,3,4,7,8-HxCDD	5.45 U	0.151	200	50.00	
1,2,3,4,7,8-HxCDF	0.0280	0.249	160	50.00	
1,2,3,6,7,8-HxCDD	0.161	1.10	149	50.00	
1,2,3,6,7,8-HxCDF	0.0687	0.215	103	50.00	
1,2,3,7,8,9-HxCDD	0.239	0.509	72	50.00	
1,2,3,7,8,9-HxCDF	0.105	0.185	55	50.00	
1,2,3,7,8-PECDD	0.0422	0.170	120	50.00	
1,2,3,7,8-PECDF	0.0669	0.187	95	50.00	
2,3,4,6,7,8-HxCDF	0.0593	0.310	136	50.00	
2,3,7,8-TCDD	0.0219	0.0436	66	50.00	
2,3,7,8-TCDF	0.0381	0.109	96	50.00	
OCDD	2.61	754	199	50.00	
OCDF	0.222	9.69	191	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB30-SA5B-021511	1,2,3,4,6,7,8-HPCDD	JB	1.44	10.6	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.237	10.6	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.216	10.6	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	0.300	10.6	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.294	10.6	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.289	10.6	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.226	10.6	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.138	10.6	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.355	10.6	PQL	pg/L	
	OCDD	JBQ	3.55	21.3	PQL	pg/L	
	OCDF	JBQ	0.475	21.3	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-323-SA5B-SB-11.0-12.0	2,3,7,8-TCDF	B	2.05	1.11	PQL	ng/Kg	
DUP23-SA5B-QC-021511	1,2,3,4,6,7,8-HPCDF	JB	3.54	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.327	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.151	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.249	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.10	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.215	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.509	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.185	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.170	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.187	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.310	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.167	5.45	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0436	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.109	1.09	PQL	ng/Kg	
	OCDF	JB	9.69	10.9	PQL	ng/Kg	
SL-049-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	0.537	5.14	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.118	5.14	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0281	5.14	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0201	5.14	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0348	5.14	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0346	5.14	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0245	5.14	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.0338	5.14	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0357	5.14	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0228	5.14	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0103	5.14	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0206	5.14	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0563	5.14	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0142	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0176	1.03	PQL	ng/Kg	
	OCDD	JB	5.15	10.3	PQL	ng/Kg	
	OCDF	JBQ	0.241	10.3	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-138-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HxCDF	JB	1.66	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	J	5.41	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	5.38	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.866	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.949	1.10	PQL	ng/Kg	
SL-141-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.76	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.283	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.467	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.198	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.26	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.200	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.30	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.364	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.337	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.130	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.232	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.226	5.37	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0422	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0533	1.07	PQL	ng/Kg	
	OCDF	JB	9.11	10.7	PQL	ng/Kg	
SL-144-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HxCDF	JB	1.61	5.50	PQL	ng/Kg	J (all detects)
	2,3,4,7,8-PECDF	JB	4.94	5.50	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.276	1.10	PQL	ng/Kg	
SL-253-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JBQ	1.55	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.218	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.266	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.170	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.02	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.156	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.09	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.678	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.312	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.211	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0982	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.164	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0705	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0832	1.06	PQL	ng/Kg	
	OCDF	JB	4.08	10.6	PQL	ng/Kg	
SL-254-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.89	5.19	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.194	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.230	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.315	5.19	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.35	5.19	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.216	5.19	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.15	5.19	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.499	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.220	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.137	5.19	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.165	5.19	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.211	5.19	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0316	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.101	1.04	PQL	ng/Kg	
	OCDF	JB	4.00	10.4	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-289-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.04	5.29	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.761	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	1.29	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.58	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.971	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.41	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.444	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.406	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.250	5.29	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.766	5.29	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.574	5.29	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0605	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.138	1.06	PQL	ng/Kg	
SL-323-SA5B-SB-11.0-12.0	1,2,3,4,7,8,9-HPCDF	JB	1.79	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.516	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	2.01	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	4.55	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.883	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	2.02	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.226	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.369	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.566	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.706	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.57	5.55	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0414	1.11	PQL	ng/Kg	
SL-323-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	5.81	5.82	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.776	5.82	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0755	5.82	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0443	5.82	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.214	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.230	5.82	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0709	5.82	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.240	5.82	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.204	5.82	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0416	5.82	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0712	5.82	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0630	5.82	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.170	5.82	PQL	ng/Kg	
SL-324-SA5B-SB-4.0-5.0	2,3,7,8-TCDF	JBQ	0.0361	1.16	PQL	ng/Kg	J (all detects)
	OCDF	JB	2.75	11.6	PQL	ng/Kg	
SL-324-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	4.32	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.418	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.376	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.85	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.12	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	3.01	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.215	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0919	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0750	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.165	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.240	5.38	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0610	1.08	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-324-SA5B-SB-8.0-9.0	1,2,3,4,7,8,9-HPCDF	JB	0.806	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.175	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.357	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.88	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.896	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.65	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.182	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0376	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.247	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.136	5.37	PQL	ng/Kg	
SL-327-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	2.45	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.188	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.101	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.221	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.78	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.647	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.56	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.169	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.124	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.152	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.151	5.43	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0357	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0990	1.09	PQL	ng/Kg	
	OCDF	JB	9.13	10.9	PQL	ng/Kg	
SL-329-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.387	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0936	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0280	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.161	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0687	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.239	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.105	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0422	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0669	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0593	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.132	5.45	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0219	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0381	1.09	PQL	ng/Kg	
	OCDD	JB	2.61	10.9	PQL	ng/Kg	
	OCDF	JB	0.222	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX050

Laboratory: LL

EDD Filename: DX050_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-330-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.534	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0879	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0475	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0417	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0721	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0805	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0813	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	0.159	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.120	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0542	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0573	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0366	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0692	5.62	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0234	1.12	PQL	ng/Kg	
	OCDD	JB	2.68	11.2	PQL	ng/Kg	
	OCDF	JB	0.170	11.2	PQL	ng/Kg	
SL-334-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.770	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.843	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.654	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.04	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.02	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.91	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.359	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.402	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.110	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.617	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.772	5.61	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0518	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.237	1.12	PQL	ng/Kg	
SL-335-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.550	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.602	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.02	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.20	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.565	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JQ	1.08	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.205	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.272	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0379	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.359	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.232	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0236	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0336	1.10	PQL	ng/Kg	

Y	N	N/A
Y	N	N/A

Comments: See sample calculation verification worksheet for recalculations

Was the overall quality and usability of the data acceptable?

(Y) N N/A

[illegible]

V:\Validation Worksheets\Dioxin16\OVR16.21

SAMPLE DELIVERY GROUP

DX051

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
16-Feb-2011	SL-032-SA5A-SS-0.0-0.5	6208380	N	METHOD	1613B	III
16-Feb-2011	SL-041-SA5A-SS-0.0-0.5	6208381	N	METHOD	1613B	III
16-Feb-2011	SL-024-SA5A-SS-0.0-0.5	6208374	N	METHOD	1613B	III
16-Feb-2011	SL-026-SA5A-SS-0.0-0.5	6208376	N	METHOD	1613B	III
16-Feb-2011	SL-335-SA5B-SB-2.0-3.0	6208384	N	METHOD	1613B	III
16-Feb-2011	SL-031-SA5A-SS-0.0-0.5	6208379	N	METHOD	1613B	III
16-Feb-2011	SL-333-SA5B-SB-4.0-5.0	6208383	N	METHOD	1613B	III
16-Feb-2011	SL-028-SA5A-SS-0.0-0.5	6208377	N	METHOD	1613B	III
16-Feb-2011	SL-029-SA5A-SS-0.0-0.5	6208378	N	METHOD	1613B	III
16-Feb-2011	SL-025-SA5A-SS-0.0-0.5	6208375	N	METHOD	1613B	III
16-Feb-2011	SL-332-SA5B-SB-4.0-5.0	6208382	N	METHOD	1613B	III
18-Feb-2011	SL-049-SA5A-SS-0.0-0.5	6210682	N	METHOD	1613B	III
18-Feb-2011	SL-100-SA5A-SS-0.0-0.5	6210690	N	METHOD	1613B	III
18-Feb-2011	SL-101-SA5A-SS-0.0-0.5	6210691	N	METHOD	1613B	III
18-Feb-2011	DUP01-SA5A-QC-021811	6210681	FD	METHOD	1613B	III
18-Feb-2011	SL-099-SA5A-SS-0.0-0.5	6210687	N	METHOD	1613B	III
18-Feb-2011	SL-099-SA5A-SS-0.0-0.5MS	6210688	MS	METHOD	1613B	III
18-Feb-2011	SL-099-SA5A-SS-0.0-0.5MSD	6210689	MSD	METHOD	1613B	III
18-Feb-2011	SL-098-SA5A-SS-0.0-0.5	6210686	N	METHOD	1613B	III
18-Feb-2011	SL-052-SA5A-SS-0.0-0.5	6210683	N	METHOD	1613B	III
18-Feb-2011	SL-096-SA5A-SS-0.0-0.5	6210685	N	METHOD	1613B	III
18-Feb-2011	SL-053-SA5A-SS-0.0-0.5	6210684	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP01-SA5A-QC-021811

Collected: 2/18/2011 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
1,2,3,4,7,8,9-HPCDF	2.50	JB	0.0579	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.46	J	0.0829	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.03	JB	0.0750	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	3.09	JB	0.0804	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.653	JB	0.0491	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.23	J	0.0767	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.222	JB	0.0434	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.790	JB	0.0515	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.111	JBQ	0.0164	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.02	JB	0.0368	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.357	JB	0.0173	MDL	5.55	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.121	J	0.0180	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.162	JB	0.0337	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SL-024-SA5A-SS-0.0-0.5

Collected: 2/16/2011 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	69.1	B	0.117	MDL	5.44	PQL	ng/Kg	J	I
1,2,3,4,6,7,8-HPCDF	7.36	B	0.218	MDL	5.44	PQL	ng/Kg	J	I
1,2,3,4,7,8,9-HPCDF	0.440	JB	0.0639	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.855	J	0.303	MDL	5.44	PQL	ng/Kg	J	Z, I
1,2,3,4,7,8-HXCDF	0.440	U	0.440	MDL	5.44	PQL	ng/Kg	UJ	I
1,2,3,6,7,8-HXCDD	2.58	JB	0.255	MDL	5.44	PQL	ng/Kg	J	Z, I
1,2,3,6,7,8-HXCDF	0.492	JB	0.277	MDL	5.44	PQL	ng/Kg	J	Z, I
1,2,3,7,8,9-HXCDD	2.09	J	0.0799	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.454	JB	0.0347	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.535	JBQ	0.0456	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.196	JB	0.0396	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.509	JB	0.0656	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.983	JB	0.0624	MDL	5.44	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0951	JQ	0.00936	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.483	JB	0.0421	MDL	1.09	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 12:05:24 PM

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-025-SA5A-SS-0.0-0.5

Collected: 2/16/2011 1:28:00

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	0.560	JB	0.0558	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.25	J	0.131	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.46	JB	0.122	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.638	JB	0.0881	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.78	J	0.115	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.339	JBQ	0.0803	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.843	JB	0.0463	MDL	5.83	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.746	JB	0.0656	MDL	5.83	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.65	JB	0.0589	MDL	5.83	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0890	JQ	0.0176	MDL	1.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.906	JB	0.108	MDL	1.17	PQL	ng/Kg	J	Z

Sample ID: SL-026-SA5A-SS-0.0-0.5

Collected: 2/16/2011 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
1,2,3,4,7,8,9-HPCDF	0.778	JB	0.0571	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.44	J	0.0920	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.488	JB	0.0887	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.23	JB	0.0886	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.522	JB	0.0643	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.64	J	0.0816	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.296	JB	0.0567	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.855	JB	0.0396	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.168	JB	0.0464	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.783	JB	0.0508	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.22	JB	0.0464	MDL	5.61	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0729	JQ	0.0163	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.486	JBQ	0.0825	MDL	1.12	PQL	ng/Kg	J	Z

Sample ID: SL-028-SA5A-SS-0.0-0.5

Collected: 2/16/2011 12:55:00

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	2.65	JB	0.0204	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.190	JB	0.0374	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.290	JQ	0.0649	MDL	5.54	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-028-SA5A-SS-0.0-0.5

Collected: 2/16/2011 12:55:00

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-HXCDF	0.246	JB	0.0274	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.08	JB	0.0665	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.181	JB	0.0210	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.08	J	0.0631	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.243	JB	0.0278	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.222	JB	0.0222	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0648	JBQ	0.00898	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.171	JB	0.0218	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.130	JB	0.00987	MDL	5.54	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0435	JQ	0.0111	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0329	JB	0.0173	MDL	1.11	PQL	ng/Kg	U	B
OCDF	6.52	JB	0.0376	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-029-SA5A-SS-0.0-0.5

Collected: 2/16/2011 1:10:00

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	3.56	JB	0.0401	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.281	JB	0.0378	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.453	J	0.0877	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.49	JB	0.0803	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.247	JB	0.0472	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.43	J	0.0632	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.167	JB	0.0323	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.344	JB	0.0231	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0983	JBQ	0.0227	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.213	JB	0.0277	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.404	JB	0.0247	MDL	5.66	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0482	J	0.0118	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.169	JB	0.0447	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	10.1	JB	0.0490	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-031-SA5A-SS-0.0-0.5

Collected: 2/16/2011 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
1,2,3,6,7,8-HXCDF	5.45	JB	0.114	MDL	5.65	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-031-SA5A-SS-0.0-0.5

Collected: 2/16/2011 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
1,2,3,7,8-PECDD	3.95	JB	0.0934	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.34	JB	0.0278	MDL	5.65	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	3.91	JB	0.0279	MDL	5.65	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.306	J	0.0176	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.491	JB	0.0267	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	10600	EB	0.294	MDL	11.3	PQL	ng/Kg	J	*XI

Sample ID: SL-032-SA5A-SS-0.0-0.5

Collected: 2/16/2011 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-HPCDF	2.86	JB	0.0221	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.212	JBQ	0.0355	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.376	J	0.0739	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.208	JBQ	0.0534	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.16	JB	0.0713	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.207	JBQ	0.0409	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.13	J	0.0645	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.354	JB	0.0463	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.362	JBQ	0.0256	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.220	JBQ	0.0215	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.259	JB	0.0366	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.352	JB	0.0225	MDL	5.53	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0346	JQ	0.0117	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.223	JB	0.0363	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	8.07	JB	0.0366	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-041-SA5A-SS-0.0-0.5

Collected: 2/16/2011 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	0.877	JB	0.0549	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.12	J	0.0843	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.941	JB	0.0587	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.96	JB	0.0831	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.423	JB	0.0412	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.58	J	0.0776	MDL	5.54	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-041-SA5A-SS-0.0-0.5

Collected: 2/16/2011 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
1,2,3,7,8,9-HXCDF	0.334	JB	0.0432	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.640	JB	0.0349	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.195	JB	0.0186	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.589	JB	0.0361	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.363	JBQ	0.0190	MDL	5.54	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0846	JQ	0.0123	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.184	JBQ	0.0279	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SL-049-SA5A-SS-0.0-0.5

Collected: 2/18/2011 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	0.792	JB	0.0512	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.562	J	0.0647	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.546	JB	0.0502	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.43	JB	0.0649	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.313	JB	0.0377	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.35	J	0.0616	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.295	JB	0.0438	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.308	JBQ	0.0356	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.113	JB	0.0191	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.449	JB	0.0357	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.370	JB	0.0204	MDL	5.59	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0417	JQ	0.0148	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.188	JBQ	0.0366	MDL	1.12	PQL	ng/Kg	J	Z

Sample ID: SL-052-SA5A-SS-0.0-0.5

Collected: 2/18/2011 11:28:00

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	0.507	JB	0.0375	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.409	J	0.0553	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.534	JB	0.0552	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.880	JB	0.0563	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.263	JBQ	0.0392	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.963	J	0.0497	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.297	JB	0.0444	MDL	5.55	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-052-SA5A-SS-0.0-0.5

Collected: 2/18/2011 11:28:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.295	JB	0.0304	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.132	JB	0.0190	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.377	JB	0.0357	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.402	JB	0.0209	MDL	5.55	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.196	JBQ	0.0360	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SL-053-SA5A-SS-0.0-0.5

Collected: 2/18/2011 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	0.429	JB	0.0319	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.996	J	0.0635	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.891	JB	0.0566	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.65	JB	0.0627	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.317	JB	0.0384	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.60	J	0.0564	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.398	JB	0.0386	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.551	JB	0.0368	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.191	JB	0.0179	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.413	JB	0.0318	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.447	JB	0.0197	MDL	5.48	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0659	J	0.0140	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.253	JB	0.0322	MDL	1.10	PQL	ng/Kg	J	Z

Sample ID: SL-096-SA5A-SS-0.0-0.5

Collected: 2/18/2011 12:56:00

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	2420	EB	0.427	MDL	5.86	PQL	ng/Kg	J	*XI
1,2,3,7,8,9-HXCDF	3.44	JB	0.0927	MDL	5.86	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.60	JB	0.0549	MDL	5.86	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	3.12	JB	0.0540	MDL	5.86	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.530	JB	0.0954	MDL	1.17	PQL	ng/Kg	J	Z
OCDD	46300	EB	0.400	MDL	11.7	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-098-SA5A-SS-0.0-0.5

Collected: 2/18/2011 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	2.60	JB	0.0985	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.56	J	0.119	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	2.75	JB	0.122	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	1.20	JB	0.0857	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.57	J	0.0980	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.433	JB	0.0686	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.752	JB	0.0573	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.330	JB	0.0484	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	1.55	JB	0.0573	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.26	JB	0.0493	MDL	5.66	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.120	J	0.0223	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.519	JB	0.117	MDL	1.13	PQL	ng/Kg	J	Z

Sample ID: SL-099-SA5A-SS-0.0-0.5

Collected: 2/18/2011 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	93.5	B	0.0889	MDL	5.52	PQL	ng/Kg	J	Q
1,2,3,4,7,8,9-HPCDF	2.14	JB	0.0689	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.36	J	0.0635	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.900	JB	0.0597	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.82	JB	0.0643	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.630	JB	0.0434	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.82	J	0.0597	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.268	JB	0.0501	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.779	JB	0.0485	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.139	JB	0.0187	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.964	JB	0.0396	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.375	JB	0.0193	MDL	5.52	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.121	JQ	0.0180	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.188	JB	0.0396	MDL	1.10	PQL	ng/Kg	J	Z

Sample ID: SL-100-SA5A-SS-0.0-0.5

Collected: 2/18/2011 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
1,2,3,4,7,8-HxCDD	5.21	J	0.0767	MDL	5.91	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-100-SA5A-SS-0.0-0.5

Collected: 2/18/2011 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
1,2,3,4,7,8-HXCDF	3.75	JB	0.0745	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	3.76	JB	0.0525	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.676	JB	0.0618	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.29	JB	0.0804	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.334	JBQ	0.0317	MDL	5.91	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	5.67	JB	0.0517	MDL	5.91	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.956	JB	0.0344	MDL	5.91	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.278	J	0.0248	MDL	1.18	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.281	JBQ	0.0745	MDL	1.18	PQL	ng/Kg	J	Z

Sample ID: SL-101-SA5A-SS-0.0-0.5

Collected: 2/18/2011 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	0.723	JB	0.0429	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.411	J	0.0569	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.17	JB	0.0774	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.28	JB	0.0588	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.310	JB	0.0552	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.998	J	0.0558	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.283	JBQ	0.0639	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.243	JBQ	0.0332	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.132	JB	0.0326	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.473	JB	0.0529	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.359	JB	0.0342	MDL	5.53	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0356	JQ	0.0164	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.144	JBQ	0.0428	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SL-332-SA5B-SB-4.0-5.0

Collected: 2/16/2011 4:16:00

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-HPCDF	4.29	JB	0.0497	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.575	JB	0.0594	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.175	JB	0.0592	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.470	JB	0.0453	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.05	JB	0.0605	MDL	5.50	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-332-SA5B-SB-4.0-5.0

Collected: 2/16/2011 4:16:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.394	JB	0.0428	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.682	JB	0.0592	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.265	JBQ	0.0523	MDL	5.50	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.131	JBQ	0.0410	MDL	5.50	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0829	JBQ	0.0318	MDL	5.50	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.363	JB	0.0444	MDL	5.50	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.878	JBQ	0.0299	MDL	5.50	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0329	J	0.0154	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.136	JB	0.0479	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	7.91	JB	0.115	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-333-SA5B-SB-4.0-5.0

Collected: 2/16/2011 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
1,2,3,4,7,8,9-HPCDF	0.866	JB	0.0640	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.652	J	0.0923	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.961	JB	0.0866	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.20	JB	0.0913	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.768	JB	0.0589	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.22	J	0.0899	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.847	JB	0.0534	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.263	JBQ	0.0489	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0591	JBQ	0.0200	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.493	JB	0.0503	MDL	5.71	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.665	JB	0.0207	MDL	5.71	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0454	J	0.0157	MDL	1.14	PQL	ng/Kg	J	Z

Sample ID: SL-335-SA5B-SB-2.0-3.0

Collected: 2/16/2011 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	1.32	JB	0.0322	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.150	JB	0.0196	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0511	JB	0.0129	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0298	JB	0.0231	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.212	JB	0.0223	MDL	5.47	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-335-SA5B-SB-2.0-3.0

Collected: 2/16/2011 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
1,2,3,6,7,8-HXCDF	0.126	JBQ	0.0164	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.242	J	0.0171	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0662	JBQ	0.00974	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0177	JBQ	0.0121	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0174	JBQ	0.00580	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0194	JB	0.00842	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0519	JBQ	0.00667	MDL	5.47	PQL	ng/Kg	U	B
OCDF	0.328	JBQ	0.0193	MDL	10.9	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_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 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
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX051

Method Blank Outlier Report

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0540B370110	2/27/2011 1:10:00 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-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	0.119 ng/Kg 0.0451 ng/Kg 0.0280 ng/Kg 0.0161 ng/Kg 0.0141 ng/Kg 0.0176 ng/Kg 0.0361 ng/Kg 0.0223 ng/Kg 0.0154 ng/Kg 0.0143 ng/Kg 0.0405 ng/Kg 0.0106 ng/Kg 0.303 ng/Kg 0.133 ng/Kg	DUP01-SA5A-QC-021811 SL-024-SA5A-SS-0.0-0.5 SL-025-SA5A-SS-0.0-0.5 SL-026-SA5A-SS-0.0-0.5 SL-028-SA5A-SS-0.0-0.5 SL-029-SA5A-SS-0.0-0.5 SL-031-SA5A-SS-0.0-0.5 SL-032-SA5A-SS-0.0-0.5 SL-041-SA5A-SS-0.0-0.5 SL-049-SA5A-SS-0.0-0.5 SL-052-SA5A-SS-0.0-0.5 SL-053-SA5A-SS-0.0-0.5 SL-096-SA5A-SS-0.0-0.5 SL-098-SA5A-SS-0.0-0.5 SL-099-SA5A-SS-0.0-0.5 SL-100-SA5A-SS-0.0-0.5 SL-101-SA5A-SS-0.0-0.5 SL-333-SA5B-SB-4.0-5.0 SL-335-SA5B-SB-2.0-3.0
BLK0730B371431	3/16/2011 2:31:00 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	0.208 ng/Kg 0.181 ng/Kg 0.0599 ng/Kg 0.00942 ng/Kg 0.0547 ng/Kg 0.0267 ng/Kg 0.0394 ng/Kg 0.0153 ng/Kg 0.0578 ng/Kg 0.0159 ng/Kg 0.0184 ng/Kg 0.0651 ng/Kg 0.0583 ng/Kg 0.0133 ng/Kg 0.397 ng/Kg 0.242 ng/Kg	SL-332-SA5B-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-028-SA5A-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0648 ng/Kg	0.0648U ng/Kg
SL-028-SA5A-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.130 ng/Kg	0.130U ng/Kg
SL-028-SA5A-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0329 ng/Kg	0.0329U ng/Kg
SL-029-SA5A-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.167 ng/Kg	0.167U ng/Kg
SL-332-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.265 ng/Kg	0.265U ng/Kg
SL-332-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0829 ng/Kg	0.0829U ng/Kg
SL-333-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0591 ng/Kg	0.0591U ng/Kg
SL-335-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.150 ng/Kg	0.150U ng/Kg
SL-335-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0511 ng/Kg	0.0511U ng/Kg
SL-335-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-335-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0862 ng/Kg	0.0862U ng/Kg
SL-335-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0177 ng/Kg	0.0177U ng/Kg
SL-335-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0174 ng/Kg	0.0174U ng/Kg
SL-335-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0194 ng/Kg	0.0194U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_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-335-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0519 ng/Kg	0.0519U ng/Kg
SL-335-SA5B-SB-2.0-3.0(RES)	OCDF	0.328 ng/Kg	0.328U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_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-099-SA5A-SS-0.0-0.5MS SL-099-SA5A-SS-0.0-0.5MSD (SL-099-SA5A-SS-0.0-0.5)	1,2,3,4,6,7,8-HPCDD OCDD	- 231	- 245	40.00-135.00 40.00-135.00	22 (20.00) -	1,2,3,4,6,7,8-HPCDD OCDD	J (all detects) OCDD No Qual, >4x

Internal Standard Outlier Report

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SL-024-SA5A-SS- 0.0-0.5	13C-1,2,3,4,6,7,8-HpCDF	7	28.00-143.00	1,2,3,4,6,7,8-HpCDF	J (all detects) UJ(all non-detects)
	13C-1,2,3,4,7,8-HxCDF	5	26.00-152.00	1,2,3,4,7,8-HxCDF	
	13C-1,2,3,6,7,8-HxCDF	7	26.00-123.00	1,2,3,6,7,8-HxCDF	
SL-024-SA5A-SS- 0.0-0.5	13C-1,2,3,4,6,7,8-HpCDD	22	23.00-140.00	1,2,3,4,6,7,8-HpCDD	J(all detects) UJ(all non-detects)
	13C-1,2,3,4,7,8-HxCDD	12	32.00-141.00	1,2,3,4,7,8-HxCDD	
	13C-1,2,3,6,7,8-HxCDD	14	28.00-130.00	1,2,3,6,7,8-HxCDD	
	13C-1,2,7,8-TCDD (CRS)	21	35.00-197.00		

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Field Duplicate RPD Report

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-099-SA5A-SS-0.0-0.5	DUP01-SA5A-QC-021811			
MOISTURE	9.4	9.9	5		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-099-SA5A-SS-0.0-0.5	DUP01-SA5A-QC-021811			
1,2,3,4,6,7,8-HPCDD	93.5	112	18	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	23.4	25.9	10	50.00	
1,2,3,4,7,8,9-HPCDF	2.14	2.50	16	50.00	
1,2,3,4,7,8-HxCDD	1.36	1.46	7	50.00	
1,2,3,4,7,8-HxCDF	0.900	1.03	13	50.00	
1,2,3,6,7,8-HxCDD	2.82	3.09	9	50.00	
1,2,3,6,7,8-HxCDF	0.630	0.653	4	50.00	
1,2,3,7,8,9-HxCDD	2.82	3.23	14	50.00	
1,2,3,7,8,9-HxCDF	0.268	0.222	19	50.00	
1,2,3,7,8-PECDD	0.779	0.790	1	50.00	
1,2,3,7,8-PECDF	0.139	0.111	22	50.00	
2,3,4,6,7,8-HxCDF	0.964	1.02	6	50.00	
2,3,4,7,8-PECDF	0.375	0.357	5	50.00	
2,3,7,8-TCDD	0.121	0.121	0	50.00	
2,3,7,8-TCDF	0.188	0.162	15	50.00	
OCDD	1130	1540	31	50.00	
OCDF	94.6	119	23	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP01-SA5A-QC-021811	1,2,3,4,7,8,9-HPCDF	JB	2.50	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	1.46	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.03	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	3.09	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.653	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	3.23	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.222	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.790	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.111	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.02	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.357	5.55	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.121	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.162	1.11	PQL	ng/Kg	
SL-024-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.440	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.855	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.58	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.492	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	2.09	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.454	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.535	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.196	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.509	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.983	5.44	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0951	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.483	1.09	PQL	ng/Kg	
SL-025-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.560	5.83	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	1.25	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	3.46	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.638	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	2.78	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.339	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.843	5.83	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.746	5.83	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.65	5.83	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0890	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.906	1.17	PQL	ng/Kg	
SL-026-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.778	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	1.44	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.488	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	3.23	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.522	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	2.64	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.296	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.855	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.168	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.783	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.22	5.61	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0729	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.486	1.12	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-028-SA5A-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.65	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.190	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.290	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.246	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.08	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.181	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	1.08	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.243	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.222	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0648	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.171	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.130	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0435	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0329	1.11	PQL	ng/Kg	
	OCDF	JB	6.52	11.1	PQL	ng/Kg	
SL-029-SA5A-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.56	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.281	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.453	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.49	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.247	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	1.43	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.167	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.344	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0983	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.213	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.404	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0482	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.169	1.13	PQL	ng/Kg	
	OCDF	JB	10.1	11.3	PQL	ng/Kg	
SL-031-SA5A-SS-0.0-0.5	1,2,3,6,7,8-HXCDF	JB	5.45	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	3.95	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.34	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	3.91	5.65	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.306	1.13	PQL	ng/Kg	
SL-032-SA5A-SS-0.0-0.5	2,3,7,8-TCDF	JB	0.491	1.13	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	2.86	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.212	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.376	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.208	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.16	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.207	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	1.13	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.354	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.362	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.220	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.259	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.352	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0346	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.223	1.11	PQL	ng/Kg	
	OCDF	JB	8.07	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-041-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.877	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	1.12	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.941	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.96	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.423	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	2.58	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.334	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.640	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.195	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.589	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.363	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0846	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.184	1.11	PQL	ng/Kg	
SL-049-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.792	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.562	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.546	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.43	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.313	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	1.35	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.295	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.308	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.113	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.449	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.370	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0417	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.188	1.12	PQL	ng/Kg	
SL-052-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.507	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.409	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.534	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.880	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.263	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.963	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.297	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.295	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.132	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.377	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.402	5.55	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.196	1.11	PQL	ng/Kg	
SL-053-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.429	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.996	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.891	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	3.65	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.317	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	2.60	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.398	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.551	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.191	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.413	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.447	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0659	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.253	1.10	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-096-SA5A-SS-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	3.44	5.86	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JB	1.60	5.86	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	3.12	5.86	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.530	1.17	PQL	ng/Kg	
SL-098-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.60	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	1.56	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.75	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.20	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	3.57	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.433	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.752	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.330	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.55	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.26	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.120	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.519	1.13	PQL	ng/Kg	
SL-099-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.14	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	1.36	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.900	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.82	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.630	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	2.82	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.268	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.779	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.139	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.964	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.375	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.121	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.188	1.10	PQL	ng/Kg	
SL-100-SA5A-SS-0.0-0.5	1,2,3,4,7,8-HxCDD	J	5.21	5.91	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HXCDF	JB	3.75	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	3.76	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.676	5.91	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	2.29	5.91	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.334	5.91	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	5.67	5.91	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.956	5.91	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.278	1.18	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.281	1.18	PQL	ng/Kg	
SL-101-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.723	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.411	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.17	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.28	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.310	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.998	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.283	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.243	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.132	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.473	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.359	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0356	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.144	1.11	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Reporting Limit Outliers

Lab Reporting Batch ID: DX051

Laboratory: LL

EDD Filename: DX051_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-332-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	4.29	5.50	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.575	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.175	5.50	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.470	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.05	5.50	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.394	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.682	5.50	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.265	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.131	5.50	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0829	5.50	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.363	5.50	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.878	5.50	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0329	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.136	1.10	PQL	ng/Kg	
	OCDF	JB	7.91	11.0	PQL	ng/Kg	
SL-333-SA5B-SB-4.0-5.0	1,2,3,4,7,8,9-HPCDF	JB	0.866	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.652	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.961	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.20	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.768	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	1.22	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.847	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.263	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0591	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.493	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.665	5.71	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0454	1.14	PQL	ng/Kg	
SL-335-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	1.32	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.150	5.47	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0511	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0298	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.212	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.126	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	J	0.242	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0662	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0177	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0174	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0194	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0519	5.47	PQL	ng/Kg	
	OCDF	JBQ	0.328	10.9	PQL	ng/Kg	

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

[illegible]

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX052

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-Feb-2011	SL-336-SA5B-SB-4.0-5.0	6209582	N	METHOD	1613B	III
17-Feb-2011	SL-022-SA5A-SS-0.0-0.5	6209572	N	METHOD	1613B	III
17-Feb-2011	SL-021-SA5A-SS-0.0-0.5	6209571	N	METHOD	1613B	III
17-Feb-2011	SL-337-SA5B-SB-3.0-4.0	6209583	N	METHOD	1613B	III
17-Feb-2011	SL-035-SA5A-SS-0.0-0.5	6209573	N	METHOD	1613B	III
17-Feb-2011	SL-331-SA5B-SB-3.0-4.0	6209581	N	METHOD	1613B	III
17-Feb-2011	SL-321-SA5B-SB-3.0-4.0	6209579	N	METHOD	1613B	III
17-Feb-2011	SL-040-SA5A-SS-0.0-0.5	6209576	N	METHOD	1613B	III
17-Feb-2011	SL-037-SA5A-SS-0.0-0.5	6209575	N	METHOD	1613B	III
17-Feb-2011	SL-036-SA5A-SS-0.0-0.5	6209574	N	METHOD	1613B	III
17-Feb-2011	SL-050-SA5A-SS-0.0-0.5	6209577	N	METHOD	1613B	III
17-Feb-2011	SL-051-SA5A-SS-0.0-0.5	6209578	N	METHOD	1613B	III
17-Feb-2011	SL-322-SA5B-SB-3.0-4.0	6209580	N	METHOD	1613B	III
18-Feb-2011	SL-102-SA5A-SS-0.0-0.5	6210692	N	METHOD	1613B	III
18-Feb-2011	SL-241-SA5A-SS-0.0-0.5	6210693	N	METHOD	1613B	III
18-Feb-2011	SL-242-SA5A-SS-0.0-0.5	6210694	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-021-SA5A-SS-0.0-0.5

Collected: 2/17/2011 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-HPCDF	3.95	JB	0.0254	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.228	JBQ	0.0381	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	1.36	JB	0.0746	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.324	JB	0.0460	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.02	JB	0.0767	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.177	JB	0.0369	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.34	JB	0.0717	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.440	JB	0.0447	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.899	J	0.0535	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.151	JB	0.0180	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.291	JB	0.0378	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.345	JB	0.0184	MDL	5.57	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.107	JQ	0.0200	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0872	JQ	0.0343	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SL-022-SA5A-SS-0.0-0.5

Collected: 2/17/2011 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	3.38	JB	0.0260	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.242	JBQ	0.0391	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	1.01	JB	0.0895	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.465	JB	0.0468	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.27	JB	0.0914	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.176	JB	0.0360	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.46	JB	0.0838	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.297	JB	0.0425	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.697	J	0.0477	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.159	JBQ	0.0217	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.273	JBQ	0.0346	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.487	JB	0.0227	MDL	5.43	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0753	J	0.0191	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.270	J	0.0406	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	10.7	JB	0.0353	MDL	10.9	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-035-SA5A-SS-0.0-0.5

Collected: 2/17/2011 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	2.57	JB	0.0210	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.243	JB	0.0345	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.246	JB	0.0601	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.334	JBQ	0.0438	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.20	JB	0.0640	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.189	JB	0.0348	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.46	JB	0.0593	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.333	JBQ	0.0424	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.224	J	0.0305	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.126	JBQ	0.0161	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.187	JB	0.0371	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.237	JBQ	0.0172	MDL	5.41	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0239	JQ	0.0201	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0922	JQ	0.0330	MDL	1.08	PQL	ng/Kg	J	Z
OCDF	7.00	JB	0.0348	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-036-SA5A-SS-0.0-0.5

Collected: 2/17/2011 1:58:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.954	JB	0.0676	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	3.40	JB	0.0996	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.09	JB	0.0852	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.786	JB	0.0728	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.476	JB	0.0692	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.61	J	0.0831	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.677	JBQ	0.0482	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.913	JB	0.0587	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.19	JB	0.0486	MDL	5.49	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.154	J	0.0224	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.324	J	0.109	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	6230	EB	0.141	MDL	11.0	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-037-SA5A-SS-0.0-0.5

Collected: 2/17/2011 1:28:00

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	0.701	JB	0.0532	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.56	JB	0.0865	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.58	JB	0.0678	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	4.00	JB	0.0904	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.655	JB	0.0554	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.46	JB	0.0891	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.420	JB	0.0604	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.858	J	0.0560	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.434	JB	0.0475	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.983	JB	0.0559	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.28	JB	0.0471	MDL	5.38	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0856	J	0.0213	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.464	J	0.119	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-040-SA5A-SS-0.0-0.5

Collected: 2/17/2011 1:10:00

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	2.25	JB	0.0286	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.195	JB	0.0415	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.368	JBQ	0.0775	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.335	JB	0.0522	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.985	JB	0.0811	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.145	JB	0.0400	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	1.14	JB	0.0738	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.317	JB	0.0467	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.241	J	0.0342	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.110	JB	0.0220	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.198	JBQ	0.0382	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.198	JB	0.0212	MDL	5.48	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0518	JQ	0.0398	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	6.49	JB	0.0346	MDL	11.0	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVOA
Method:	1613B
Matrix:	SO

Sample ID: SL-050-SA5A-SS-0.0-0.5

Collected: 2/17/2011 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-HPCDF	1.80	JB	0.0308	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.120	JB	0.0354	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.378	JB	0.0731	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.460	JB	0.0520	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.09	JBQ	0.0713	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.121	JBQ	0.0370	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	1.15	JB	0.0646	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.301	JB	0.0332	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.437	J	0.0412	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0781	JBQ	0.0178	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.154	JB	0.0275	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.247	JB	0.0178	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0762	JQ	0.0211	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0910	JQ	0.0283	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	5.24	JB	0.0347	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-051-SA5A-SS-0.0-0.5

Collected: 2/17/2011 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
1,2,3,4,7,8,9-HPCDF	0.515	JB	0.0549	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.57	JB	0.0792	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.15	JB	0.0722	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.465	JB	0.0526	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.519	JB	0.0617	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.79	J	0.0697	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.280	JBQ	0.0297	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.574	JB	0.0502	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.759	JB	0.0296	MDL	5.54	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.168	J	0.0217	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.370	J	0.0559	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SL-102-SA5A-SS-0.0-0.5

Collected: 2/18/2011 9:18:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.626	JB	0.0398	MDL	5.67	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-102-SA5A-SS-0.0-0.5

Collected: 2/18/2011 9:18:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.241	JBQ	0.0736	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.948	JB	0.0926	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.881	JB	0.0712	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.256	JBQ	0.0622	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.728	JB	0.0626	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.209	JBQ	0.0518	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.152	J	0.0319	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0683	JBQ	0.0236	MDL	5.67	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.327	JB	0.0431	MDL	5.67	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.291	JB	0.0245	MDL	5.67	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.125	J	0.0431	MDL	1.13	PQL	ng/Kg	J	Z

Sample ID: SL-241-SA5A-SS-0.0-0.5

Collected: 2/18/2011 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-HxCDD	5.21	JB	0.149	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	3.74	JB	0.129	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	3.22	JB	0.0961	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.798	JB	0.106	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	2.09	J	0.140	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.59	JB	0.0562	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	4.47	JB	0.0915	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.42	JB	0.0578	MDL	5.79	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.200	JQ	0.0319	MDL	1.16	PQL	ng/Kg	J	Z

Sample ID: SL-242-SA5A-SS-0.0-0.5

Collected: 2/18/2011 11:18:00

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-HPCDF	3.79	JB	0.0399	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.351	JBQ	0.0430	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.235	JB	0.0554	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.155	JB	0.0552	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.548	JB	0.0558	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.149	JBQ	0.0386	MDL	5.52	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-242-SA5A-SS-0.0-0.5

Collected: 2/18/2011 11:18:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	0.666	JB	0.0493	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.282	JB	0.0333	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.117	JQ	0.0250	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0933	JB	0.0134	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.182	JB	0.0274	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.124	JBQ	0.0140	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0212	JQ	0.0209	MDL	1.10	PQL	ng/Kg	J	Z

Sample ID: SL-321-SA5B-SB-3.0-4.0

Collected: 2/17/2011 1:09:00

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	0.399	JB	0.0265	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0701	JB	0.0114	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0491	JBQ	0.0178	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0698	JB	0.0228	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.84	JB	0.0298	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.26	JB	0.0150	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.94	JB	0.0293	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.130	JBQ	0.0178	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0867	JQ	0.0229	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.110	JB	0.00968	MDL	5.69	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0410	JB	0.0140	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.113	JBQ	0.0107	MDL	5.69	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0232	JQ	0.0194	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	1.96	JB	0.0272	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.157	JBQ	0.0237	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-322-SA5B-SB-3.0-4.0

Collected: 2/17/2011 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
1,2,3,4,6,7,8-HPCDD	0.234	JB	0.0190	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0393	JB	0.00929	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0191	JBQ	0.0121	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0214	JB	0.0159	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0168	JBQ	0.0147	MDL	5.34	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-322-SA5B-SB-3.0-4.0

Collected: 2/17/2011 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
1,2,3,7,8,9-HXCDF	0.0168	JBQ	0.0114	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0213	JQ	0.0197	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0273	JB	0.00929	MDL	5.34	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.00923	JBQ	0.00919	MDL	5.34	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0470	JBQ	0.00962	MDL	5.34	PQL	ng/Kg	U	B
OCDD	0.727	JB	0.0231	MDL	10.7	PQL	ng/Kg	U	B
OCDF	0.0866	JBQ	0.0201	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-331-SA5B-SB-3.0-4.0

Collected: 2/17/2011 11:44:00

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	0.179	JBQ	0.0189	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0382	JB	0.0107	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0245	JBQ	0.0116	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0182	JBQ	0.0180	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.112	JB	0.0184	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0274	JBQ	0.0122	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.204	JB	0.0170	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0985	JBQ	0.0110	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0189	JQ	0.0154	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0280	JBQ	0.00872	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0127	JBQ	0.00936	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0530	JBQ	0.00904	MDL	5.38	PQL	ng/Kg	U	B
OCDD	1.36	JB	0.0315	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.0746	JBQ	0.0167	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-336-SA5B-SB-4.0-5.0

Collected: 2/17/2011 9:19:00

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	1.47	JB	0.0546	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.127	JB	0.0163	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0661	JBQ	0.0193	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0879	JB	0.0270	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.192	JBQ	0.0283	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0564	JBQ	0.0171	MDL	5.77	PQL	ng/Kg	U	B

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-336-SA5B-SB-4.0-5.0

Collected: 2/17/2011 9:19:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	0.254	JBQ	0.0256	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.229	JB	0.0164	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0461	JB	0.0112	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0336	JBQ	0.0132	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0735	JBQ	0.0117	MDL	5.77	PQL	ng/Kg	U	B
OCDF	0.334	JB	0.0249	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-337-SA5B-SB-3.0-4.0

Collected: 2/17/2011 10:33:00

Analysis Type: RES

Dilution: 1

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	0.440	JB	0.0267	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0654	JBQ	0.0305	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.105	JBQ	0.0239	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.315	JB	0.0452	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0732	JBQ	0.0178	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.434	JB	0.0412	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.275	JB	0.0167	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0372	JQ	0.0247	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0423	JB	0.0120	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0297	JBQ	0.0134	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.112	JB	0.0122	MDL	5.71	PQL	ng/Kg	U	B
OCDF	1.08	JB	0.0322	MDL	11.4	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_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 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
F	Equipment Blank Contamination

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Data Qualifier Summary

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

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: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX052

Method Blank Outlier Report

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0550B371308	3/3/2011 1:08:00 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	0.162 ng/Kg 0.0644 ng/Kg 0.0566 ng/Kg 0.0169 ng/Kg 0.0232 ng/Kg 0.0223 ng/Kg 0.0318 ng/Kg 0.0217 ng/Kg 0.0591 ng/Kg 0.0211 ng/Kg 0.0278 ng/Kg 0.0643 ng/Kg 0.458 ng/Kg 0.148 ng/Kg	SL-021-SA5A-SS-0.0-0.5 SL-022-SA5A-SS-0.0-0.5 SL-035-SA5A-SS-0.0-0.5 SL-036-SA5A-SS-0.0-0.5 SL-037-SA5A-SS-0.0-0.5 SL-040-SA5A-SS-0.0-0.5 SL-050-SA5A-SS-0.0-0.5 SL-051-SA5A-SS-0.0-0.5 SL-102-SA5A-SS-0.0-0.5 SL-241-SA5A-SS-0.0-0.5 SL-242-SA5A-SS-0.0-0.5 SL-321-SA5B-SB-3.0-4.0 SL-322-SA5B-SB-3.0-4.0 SL-331-SA5B-SB-3.0-4.0 SL-336-SA5B-SB-4.0-5.0 SL-337-SA5B-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
SL-021-SA5A-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.228 ng/Kg	0.228U ng/Kg
SL-022-SA5A-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.242 ng/Kg	0.242U ng/Kg
SL-035-SA5A-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.243 ng/Kg	0.243U ng/Kg
SL-035-SA5A-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.237 ng/Kg	0.237U ng/Kg
SL-040-SA5A-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.195 ng/Kg	0.195U ng/Kg
SL-040-SA5A-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.145 ng/Kg	0.145U ng/Kg
SL-040-SA5A-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.198 ng/Kg	0.198U ng/Kg
SL-050-SA5A-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.120 ng/Kg	0.120U ng/Kg
SL-050-SA5A-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.121 ng/Kg	0.121U ng/Kg
SL-050-SA5A-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0781 ng/Kg	0.0781U ng/Kg
SL-050-SA5A-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.247 ng/Kg	0.247U ng/Kg
SL-102-SA5A-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.209 ng/Kg	0.209U ng/Kg
SL-102-SA5A-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0683 ng/Kg	0.0683U ng/Kg
SL-102-SA5A-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.291 ng/Kg	0.291U ng/Kg
SL-242-SA5A-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.149 ng/Kg	0.149U ng/Kg
SL-242-SA5A-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.282 ng/Kg	0.282U ng/Kg
SL-242-SA5A-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0933 ng/Kg	0.0933U ng/Kg
SL-242-SA5A-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.124 ng/Kg	0.124U ng/Kg
SL-321-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.399 ng/Kg	0.399U ng/Kg
SL-321-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0701 ng/Kg	0.0701U ng/Kg
SL-321-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0491 ng/Kg	0.0491U ng/Kg
SL-321-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HxCDF	0.0698 ng/Kg	0.0698U ng/Kg
SL-321-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HxCDF	0.130 ng/Kg	0.130U ng/Kg
SL-321-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HxCDF	0.0410 ng/Kg	0.0410U ng/Kg
SL-321-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.113 ng/Kg	0.113U ng/Kg
SL-321-SA5B-SB-3.0-4.0(RES)	OCDD	1.96 ng/Kg	1.96U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_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-321-SA5B-SB-3.0-4.0(RES)	OCDF	0.157 ng/Kg	0.157U ng/Kg
SL-322-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.234 ng/Kg	0.234U ng/Kg
SL-322-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0393 ng/Kg	0.0393U ng/Kg
SL-322-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0191 ng/Kg	0.0191U ng/Kg
SL-322-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDD	0.0214 ng/Kg	0.0214U ng/Kg
SL-322-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.0168 ng/Kg	0.0168U ng/Kg
SL-322-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0168 ng/Kg	0.0168U ng/Kg
SL-322-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0273 ng/Kg	0.0273U ng/Kg
SL-322-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.00923 ng/Kg	0.00923U ng/Kg
SL-322-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0470 ng/Kg	0.0470U ng/Kg
SL-322-SA5B-SB-3.0-4.0(RES)	OCDD	0.727 ng/Kg	0.727U ng/Kg
SL-322-SA5B-SB-3.0-4.0(RES)	OCDF	0.0866 ng/Kg	0.0866U ng/Kg
SL-331-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.179 ng/Kg	0.179U ng/Kg
SL-331-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0382 ng/Kg	0.0382U ng/Kg
SL-331-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0245 ng/Kg	0.0245U ng/Kg
SL-331-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0182 ng/Kg	0.0182U ng/Kg
SL-331-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0274 ng/Kg	0.0274U ng/Kg
SL-331-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0985 ng/Kg	0.0985U ng/Kg
SL-331-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0280 ng/Kg	0.0280U ng/Kg
SL-331-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0127 ng/Kg	0.0127U ng/Kg
SL-331-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0530 ng/Kg	0.0530U ng/Kg
SL-331-SA5B-SB-3.0-4.0(RES)	OCDD	1.36 ng/Kg	1.36U ng/Kg
SL-331-SA5B-SB-3.0-4.0(RES)	OCDF	0.0746 ng/Kg	0.0746U ng/Kg
SL-336-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.127 ng/Kg	0.127U ng/Kg
SL-336-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0661 ng/Kg	0.0661U ng/Kg
SL-336-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0879 ng/Kg	0.0879U ng/Kg
SL-336-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0564 ng/Kg	0.0564U ng/Kg
SL-336-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.229 ng/Kg	0.229U ng/Kg
SL-336-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0461 ng/Kg	0.0461U ng/Kg
SL-336-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0336 ng/Kg	0.0336U ng/Kg
SL-336-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0735 ng/Kg	0.0735U ng/Kg
SL-336-SA5B-SB-4.0-5.0(RES)	OCDF	0.334 ng/Kg	0.334U ng/Kg
SL-337-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0654 ng/Kg	0.0654U ng/Kg
SL-337-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.105 ng/Kg	0.105U ng/Kg
SL-337-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0732 ng/Kg	0.0732U ng/Kg
SL-337-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.275 ng/Kg	0.275U ng/Kg
SL-337-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0423 ng/Kg	0.0423U ng/Kg

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

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Method Blank Outlier Report

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_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-337-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0297 ng/Kg	0.0297U ng/Kg
SL-337-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.112 ng/Kg	0.112U ng/Kg

Reporting Limit Outliers

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-241-SA5A-SS-0.0-0.5	2,3,7,8-TCDF		1.26	1.16	PQL	ng/Kg	
SL-021-SA5A-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.95	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.228	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	1.36	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.324	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	3.02	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.177	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.34	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.440	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.899	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.151	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.291	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.345	5.57	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.107	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0872	1.11	PQL	ng/Kg	
SL-022-SA5A-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.38	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.242	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	1.01	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.465	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.27	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.176	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.46	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.297	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.697	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.159	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.273	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.487	5.43	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0753	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.270	1.09	PQL	ng/Kg	
	OCDF	JB	10.7	10.9	PQL	ng/Kg	
SL-035-SA5A-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.57	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.243	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.246	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.334	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.20	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.189	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.46	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.333	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.224	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.126	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.187	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.237	5.41	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0239	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0922	1.08	PQL	ng/Kg	
	OCDF	JB	7.00	10.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-036-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.954	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	3.40	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.09	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.786	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.476	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	1.61	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.677	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.913	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.19	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.154	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.324	1.10	PQL	ng/Kg	
SL-037-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.701	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.56	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.58	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	4.00	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.655	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.46	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.420	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.858	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.434	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.983	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.28	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0856	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.464	1.08	PQL	ng/Kg	
SL-040-SA5A-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.25	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.195	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.368	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.335	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.985	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.145	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.14	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.317	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.241	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.110	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.198	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.198	5.48	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0518	1.10	PQL	ng/Kg	
	OCDF	JB	6.49	11.0	PQL	ng/Kg	
SL-050-SA5A-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.80	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.120	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.378	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.460	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	1.09	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.121	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.15	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.301	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.437	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0781	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.154	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.247	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0762	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0910	1.10	PQL	ng/Kg	
	OCDF	JB	5.24	11.0	PQL	ng/Kg	

Project Name and Number: 1203-004-007-AL - SSFL Area IV Collocated Soil Sampling

7/1/2011 12:11:29 PM

ADR version 1.4.0.111

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Reporting Limit Outliers

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-051-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.515	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.57	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.15	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.465	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.519	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	1.79	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.280	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.574	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.759	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.168	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.370	1.11	PQL	ng/Kg	
SL-102-SA5A-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.626	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.241	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.948	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.881	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.256	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.728	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.209	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.152	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0683	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.327	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.291	5.67	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.125	1.13	PQL	ng/Kg	
SL-241-SA5A-SS-0.0-0.5	1,2,3,4,7,8-HxCDD	JB	5.21	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HXCDF	JB	3.74	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	3.22	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.798	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	2.09	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.59	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	4.47	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.42	5.79	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.200	1.16	PQL	ng/Kg	
SL-242-SA5A-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.79	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.351	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.235	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.155	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.548	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.149	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.666	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.282	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.117	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0933	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.182	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.124	5.52	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0212	1.10	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-321-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.399	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0701	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0491	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0698	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.84	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.26	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.94	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.130	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0867	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.110	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0410	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.113	5.69	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0232	1.14	PQL	ng/Kg	
	OCDD	JB	1.96	11.4	PQL	ng/Kg	
	OCDF	JBQ	0.157	11.4	PQL	ng/Kg	
SL-322-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.234	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0393	5.34	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0191	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0214	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0168	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0168	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0213	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0273	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.00923	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0470	5.34	PQL	ng/Kg	
	OCDD	JB	0.727	10.7	PQL	ng/Kg	
	OCDF	JBQ	0.0866	10.7	PQL	ng/Kg	
SL-331-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.179	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0382	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0245	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0182	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.112	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0274	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.204	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0985	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0189	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0280	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0127	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0530	5.38	PQL	ng/Kg	
	OCDD	JB	1.36	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.0746	10.8	PQL	ng/Kg	
SL-336-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.47	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.127	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0661	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0879	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.192	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0564	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.254	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.229	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0461	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0336	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0735	5.77	PQL	ng/Kg	
	OCDF	JB	0.334	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX052

Laboratory: LL

EDD Filename: DX052_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-337-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDF	JB	0.440	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0654	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.105	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.315	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0732	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.434	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.275	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0372	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0423	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0297	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.112	5.71	PQL	ng/Kg	
	OCDF	JB	1.08	11.4	PQL	ng/Kg	

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

$$\frac{\textcircled{Y} \text{ N N/A}}{\textcircled{Y} \text{ N N/A}}$$

Comments: See sample calculation verification worksheet for recalculations

Question	Yes	No	N/A
Was the overall quality and usability of the data acceptable?	☒	☐	☐

V:\Validation Worksheets\Dioxin16\OVR16.21

SAMPLE DELIVERY GROUP

DX061

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
02-Mar-2011	SL-245-SA5A-SB-4.0-5.0	6220848	N	METHOD	1613B	III
02-Mar-2011	SL-245-SA5A-SB-4.0-5.0MS	6220849	MS	METHOD	1613B	III
02-Mar-2011	SL-245-SA5A-SB-4.0-5.0MSD	6220850	MSD	METHOD	1613B	III
02-Mar-2011	DUP08-SA5A-QC-030211	6220847	FD	METHOD	1613B	III
02-Mar-2011	SL-245-SA5A-SB-9.0-10.0	6220851	N	METHOD	1613B	III
02-Mar-2011	SL-245-SA5A-SB-29.0-30.0	6220852	N	METHOD	1613B	III
02-Mar-2011	SL-246-SA5A-SB-4.0-5.0	6220853	N	METHOD	1613B	III
02-Mar-2011	SL-246-SA5A-SB-9.0-10.0	6220854	N	METHOD	1613B	III
02-Mar-2011	SL-247-SA5A-SB-4.0-5.0	6220855	N	METHOD	1613B	III
02-Mar-2011	SL-247-SA5A-SB-9.0-10.0	6220856	N	METHOD	1613B	III
04-Mar-2011	SL-015-SA5A-SB-3.0-4.0	6223285	N	METHOD	1613B	III
04-Mar-2011	SL-233-SA5A-SB-4.0-5.0	6223286	N	METHOD	1613B	III
04-Mar-2011	SL-233-SA5A-SB-9.0-10.0	6223287	N	METHOD	1613B	III
07-Mar-2011	SL-007-SA5A-SB-4.0-5.0	6224312	N	METHOD	1613B	III
07-Mar-2011	SL-007-SA5A-SB-9.0-10.0	6224313	N	METHOD	1613B	III
07-Mar-2011	SL-013-SA5A-SB-2.5-3.5	6224314	N	METHOD	1613B	III
07-Mar-2011	SL-012-SA5A-SB-2.0-3.0	6224315	N	METHOD	1613B	III
08-Mar-2011	SL-006-SA5A-SB-2.0-3.0	6225087	N	METHOD	1613B	III
09-Mar-2011	SL-225-SA5B-SB-2.0-3.0	6226879	N	METHOD	1613B	III
09-Mar-2011	SL-304-SA5B-SB-3.0-4.0	6226878	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method Category:	SVQA
Method:	1613B
Matrix:	SO

Sample ID: DUP08-SA5A-QC-030211

Collected: 3/2/2011 9:08:00 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	0.307	JB	0.0189	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.130	JB	0.00750	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0407	JBQ	0.0112	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0316	JBQ	0.0101	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDD	0.0223	JQ	0.0111	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0282	JB	0.00728	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.0562	JB	0.0108	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0552	JQ	0.00761	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0154	JBQ	0.0120	MDL	5.51	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.0196	JB	0.00628	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0601	JB	0.00639	MDL	5.51	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0720	JB	0.00650	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0106	U	0.0106	MDL	1.10	PQL	ng/Kg	UJ	FD
OCDD	2.53	JB	0.0187	MDL	11.0	PQL	ng/Kg	J	Z, FD
OCDF	0.188	JB	0.0191	MDL	11.0	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-006-SA5A-SB-2.0-3.0

Collected: 3/8/2011 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	0.227	JB	0.0158	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.181	JB	0.00745	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0388	JB	0.0137	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0185	JBQ	0.0122	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0381	JBQ	0.0103	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0422	JB	0.0126	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0338	JBQ	0.00865	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0297	JBQ	0.0124	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0546	JB	0.0125	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0203	JBQ	0.00679	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0683	JBQ	0.0101	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0588	JB	0.00690	MDL	5.48	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0170	JBQ	0.0153	MDL	1.10	PQL	ng/Kg	U	B
OCDD	0.424	JB	0.0242	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.232	JB	0.0263	MDL	11.0	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-007-SA5A-SB-4.0-5.0

Collected: 3/7/2011 10:56:00

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	0.212	JB	0.0155	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.151	JBQ	0.00796	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0573	JBQ	0.0122	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0377	JB	0.0179	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0677	J	0.0113	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0191	JBQ	0.0108	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.114	JB	0.0107	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0981	JQ	0.0117	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0189	JB	0.00501	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0940	JB	0.00830	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0499	JB	0.00546	MDL	5.69	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.00904	JQ	0.00899	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	0.890	JB	0.0208	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.260	JB	0.0306	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-007-SA5A-SB-9.0-10.0

Collected: 3/7/2011 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	0.328	JB	0.0228	MDL	6.06	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.242	JB	0.0112	MDL	6.06	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0714	JB	0.0131	MDL	6.06	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0394	JBQ	0.0205	MDL	6.06	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0268	JQ	0.0124	MDL	6.06	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0416	JB	0.0125	MDL	6.06	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0300	JB	0.0113	MDL	6.06	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0535	JQ	0.0105	MDL	6.06	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0114	JBQ	0.00570	MDL	6.06	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.116	JB	0.00812	MDL	6.06	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0794	JBQ	0.00606	MDL	6.06	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0155	J	0.0114	MDL	1.21	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0174	JQ	0.00933	MDL	1.21	PQL	ng/Kg	J	Z
OCDD	1.51	JB	0.0153	MDL	12.1	PQL	ng/Kg	U	B
OCDF	0.266	JB	0.0217	MDL	12.1	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-012-SA5A-SB-2.0-3.0

Collected: 3/7/2011 4:09:00 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	0.562	JB	0.0194	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.169	JBQ	0.00849	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0782	JBQ	0.0100	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0423	JQ	0.0109	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.140	JB	0.0184	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.0280	JQ	0.0106	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0558	JB	0.0112	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0448	JB	0.00942	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0799	J	0.00988	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0517	JB	0.0115	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0847	JB	0.00558	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0828	JB	0.00744	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.110	JB	0.00593	MDL	5.81	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0470	J	0.0126	MDL	1.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0277	J	0.00965	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	2.02	JB	0.0181	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.243	JB	0.0224	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-013-SA5A-SB-2.5-3.5

Collected: 3/7/2011 3:24:00 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	0.225	JB	0.0180	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.110	JB	0.00855	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0289	JBQ	0.0148	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0368	JBQ	0.00809	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0282	JB	0.0123	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0221	JB	0.00705	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0454	JBQ	0.0120	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0603	JB	0.00925	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0274	JBQ	0.00682	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0461	JBQ	0.00809	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0689	JB	0.00671	MDL	5.78	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0244	JBQ	0.0133	MDL	1.16	PQL	ng/Kg	U	B
OCDD	0.632	JB	0.0289	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-013-SA5A-SB-2.5-3.5

Collected: 3/7/2011 3:24:00 PM

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.169	JBQ	0.0218	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-015-SA5A-SB-3.0-4.0

Collected: 3/4/2011 9:16:00 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	0.230	JB	0.0156	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.202	JBQ	0.0107	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0421	JB	0.0133	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0441	JBQ	0.0148	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0298	JB	0.00923	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0256	JBQ	0.00959	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0482	JQ	0.00876	MDL	5.92	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0204	JBQ	0.0107	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0365	JBQ	0.00438	MDL	5.92	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0852	JB	0.00663	MDL	5.92	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0722	JB	0.00509	MDL	5.92	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0198	JQ	0.0107	MDL	1.18	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0184	JQ	0.00828	MDL	1.18	PQL	ng/Kg	J	Z
OCDD	0.718	JB	0.0221	MDL	11.8	PQL	ng/Kg	U	B
OCDF	0.262	JB	0.0279	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-225-SA5B-SB-2.0-3.0

Collected: 3/9/2011 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	1.48	JB	0.0201	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.219	JB	0.0362	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0826	JB	0.0823	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0856	JB	0.0431	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.01	JB	0.0836	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.114	JB	0.0356	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.736	JB	0.0824	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.258	JB	0.0483	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.120	JB	0.0118	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.116	JB	0.0399	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0754	JBQ	0.0119	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-225-SA5B-SB-2.0-3.0

Collected: 3/9/2011 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
2,3,7,8-TCDD	0.129	JB	0.0324	MDL	1.16	PQL	ng/Kg	J	Z
OCDF	4.31	JB	0.0252	MDL	11.6	PQL	ng/Kg	J	Z

Sample ID: SL-233-SA5A-SB-4.0-5.0

Collected: 3/4/2011 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
1,2,3,4,6,7,8-HPCDD	0.211	JB	0.0169	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.175	JB	0.00860	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0337	JBQ	0.0122	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0438	JB	0.0135	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0181	JQ	0.0115	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0210	JBQ	0.00962	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0195	JBQ	0.00916	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0226	J	0.00894	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0133	JBQ	0.00520	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0704	JBQ	0.00735	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0592	JBQ	0.00577	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0175	JQ	0.00871	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	0.597	JB	0.0208	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.240	JBQ	0.0269	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-233-SA5A-SB-9.0-10.0

Collected: 3/4/2011 11:08:00

Analysis Type: RES

Dilution: 1

Analyte	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	0.0177	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.366	JB	0.00979	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.249	JBQ	0.0181	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.165	J	0.0163	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.140	JB	0.0248	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.145	J	0.0163	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.189	JB	0.0155	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.195	JB	0.0154	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.226	J	0.0207	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.122	JBQ	0.0127	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.126	JBQ	0.00583	MDL	5.83	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-233-SA5A-SB-9.0-10.0

Collected: 3/4/2011 11:08:00

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	0.246	JB	0.0145	MDL	5.83	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.154	JBQ	0.00664	MDL	5.83	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0244	JQ	0.0113	MDL	1.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0205	JQ	0.00921	MDL	1.17	PQL	ng/Kg	J	Z
OCDD	1.13	JB	0.0277	MDL	11.7	PQL	ng/Kg	U	B
OCDF	0.699	JB	0.0366	MDL	11.7	PQL	ng/Kg	U	B

Sample ID: SL-245-SA5A-SB-29.0-30.0

Collected: 3/2/2011 9:22:00 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	0.388	JB	0.0263	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.439	JB	0.0146	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0842	JBQ	0.0225	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.105	JB	0.0227	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0586	JBQ	0.0152	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0251	JBQ	0.0153	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0769	J	0.0176	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0143	JBQ	0.0119	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0219	JBQ	0.00579	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.159	JB	0.0137	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0910	JB	0.00647	MDL	5.68	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0177	JQ	0.0104	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	1.20	JB	0.0275	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.424	JB	0.0303	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-245-SA5A-SB-4.0-5.0

Collected: 3/2/2011 8:52:00 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	0.422	JB	0.0230	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.576	JB	0.0153	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8,9-HPCDF	0.0522	JB	0.0162	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.151	JB	0.0336	MDL	5.45	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDD	0.0295	J	0.0111	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0852	JBQ	0.0186	MDL	5.45	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.0416	JB	0.0102	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-245-SA5A-SB-4.0-5.0

Collected: 3/2/2011 8:52:00 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	0.0594	J	0.0146	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0121	U	0.0121	MDL	5.45	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDF	0.0167	JBQ	0.00632	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.131	JB	0.0112	MDL	5.45	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0891	JB	0.00664	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0255	JQ	0.00937	MDL	1.09	PQL	ng/Kg	J	Z, FD
OCDD	4.87	JB	0.0195	MDL	10.9	PQL	ng/Kg	J	Z, FD
OCDF	0.388	JBQ	0.0242	MDL	10.9	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-245-SA5A-SB-9.0-10.0

Collected: 3/2/2011 9:12:00 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	1.44	JB	0.0504	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.312	JBQ	0.0193	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0789	JBQ	0.0286	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0598	JBQ	0.0169	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0939	J	0.0221	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0481	JB	0.0136	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0949	JBQ	0.0212	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0960	JQ	0.0167	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0232	JBQ	0.0137	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0384	JBQ	0.00663	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0849	JBQ	0.0131	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0810	JB	0.00707	MDL	5.52	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0162	JQ	0.0141	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	0.487	JBQ	0.0315	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-246-SA5A-SB-4.0-5.0

Collected: 3/2/2011 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	0.151	JB	0.0195	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0992	JB	0.00759	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0173	JBQ	0.0118	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0222	JBQ	0.0106	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0231	JQ	0.0113	MDL	5.42	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-246-SA5A-SB-4.0-5.0

Collected: 3/2/2011 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
1,2,3,6,7,8-HXCDF	0.0180	JBQ	0.00770	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0202	JB	0.0107	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0327	JQ	0.00922	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0102	JBQ	0.00531	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0412	JBQ	0.00748	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0553	JBQ	0.00531	MDL	5.42	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0123	JQ	0.00889	MDL	1.08	PQL	ng/Kg	J	Z
OCDD	0.471	JB	0.0203	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.185	JBQ	0.0232	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-246-SA5A-SB-9.0-10.0

Collected: 3/2/2011 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	0.255	JB	0.0165	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.222	JB	0.00654	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0688	JBQ	0.0112	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0400	JQ	0.0160	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0884	JB	0.0160	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.130	J	0.0164	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0775	JBQ	0.0115	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.326	JB	0.0156	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.250	J	0.0151	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0829	JB	0.0105	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.116	JB	0.00554	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.127	JB	0.0119	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.133	JB	0.00610	MDL	5.54	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0303	J	0.00876	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	0.893	JB	0.0217	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.246	JBQ	0.0215	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-247-SA5A-SB-4.0-5.0

Collected: 3/2/2011 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	0.223	JB	0.0184	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.191	JB	0.00722	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-247-SA5A-SB-4.0-5.0

Collected: 3/2/2011 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
1,2,3,4,7,8,9-HPCDF	0.0552	JB	0.0139	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0338	JQ	0.0144	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0805	JB	0.0154	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0764	JQ	0.0147	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0724	JB	0.0112	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.163	JB	0.0139	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.166	J	0.0136	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0924	JBQ	0.0147	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.129	JB	0.00710	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0976	JB	0.0112	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.120	JB	0.00767	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0291	J	0.0120	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0303	JQ	0.0105	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	1.24	JB	0.0290	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.222	JB	0.0290	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-247-SA5A-SB-9.0-10.0

Collected: 3/2/2011 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	1.61	JB	0.0255	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.716	JB	0.0154	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.224	JBQ	0.0195	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.288	J	0.0252	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.279	JB	0.0212	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.507	J	0.0260	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.300	JB	0.0179	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.661	JB	0.0244	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.491	J	0.0202	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.311	JBQ	0.0148	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.312	JB	0.00725	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.319	JB	0.0176	MDL	5.57	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.283	JB	0.00702	MDL	5.57	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0530	JQ	0.0113	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0625	JQ	0.00803	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-247-SA5A-SB-9.0-10.0

Collected: 3/2/2011 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
OCDD	8.65	JB	0.0247	MDL	11.1	PQL	ng/Kg	J	Z
OCDF	0.846	JB	0.0227	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-304-SA5B-SB-3.0-4.0

Collected: 3/9/2011 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	0.262	JBQ	0.0152	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.196	JBQ	0.00900	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0713	JB	0.00888	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0241	J	0.0145	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0501	JBQ	0.0141	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0551	JQ	0.0140	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.0522	JBQ	0.00957	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0817	JB	0.0123	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0805	J	0.00750	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0441	JBQ	0.0114	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0451	JB	0.00484	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0726	JBQ	0.00681	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0761	JB	0.00496	MDL	5.77	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0286	JQ	0.0110	MDL	1.15	PQL	ng/Kg	J	Z
OCDD	0.639	JB	0.0151	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.326	JB	0.0155	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

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

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX061

Method Blank Outlier Report

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B Matrix: SO				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0770B371649	3/21/2011 4:49:00 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-HXCDF 1,2,3,7,8-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	0.130 ng/Kg 0.0994 ng/Kg 0.0344 ng/Kg 0.0221 ng/Kg 0.0193 ng/Kg 0.0135 ng/Kg 0.0179 ng/Kg 0.0209 ng/Kg 0.0455 ng/Kg 0.0470 ng/Kg 0.336 ng/Kg 0.169 ng/Kg	DUP08-SA5A-QC-030211 SL-007-SA5A-SB-4.0-5.0 SL-007-SA5A-SB-9.0-10.0 SL-012-SA5A-SB-2.0-3.0 SL-015-SA5A-SB-3.0-4.0 SL-233-SA5A-SB-4.0-5.0 SL-233-SA5A-SB-9.0-10.0 SL-245-SA5A-SB-29.0-30.0 SL-245-SA5A-SB-4.0-5.0 SL-245-SA5A-SB-9.0-10.0 SL-246-SA5A-SB-4.0-5.0 SL-246-SA5A-SB-9.0-10.0 SL-247-SA5A-SB-4.0-5.0 SL-247-SA5A-SB-9.0-10.0 SL-304-SA5B-SB-3.0-4.0
BLK0830B371829	3/25/2011 6:29:00 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-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	0.202 ng/Kg 0.141 ng/Kg 0.0667 ng/Kg 0.0256 ng/Kg 0.0527 ng/Kg 0.0244 ng/Kg 0.0416 ng/Kg 0.0275 ng/Kg 0.0883 ng/Kg 0.0317 ng/Kg 0.0346 ng/Kg 0.0701 ng/Kg 0.0885 ng/Kg 0.0184 ng/Kg 0.0219 ng/Kg 0.392 ng/Kg 0.221 ng/Kg	SL-006-SA5A-SB-2.0-3.0 SL-013-SA5A-SB-2.5-3.5 SL-225-SA5B-SB-2.0-3.0

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
DUP08-SA5A-QC-030211(RES)	1,2,3,4,6,7,8-HPCDD	0.307 ng/Kg	0.307U ng/Kg
DUP08-SA5A-QC-030211(RES)	1,2,3,4,6,7,8-HPCDF	0.130 ng/Kg	0.130U ng/Kg
DUP08-SA5A-QC-030211(RES)	1,2,3,4,7,8,9-HPCDF	0.0407 ng/Kg	0.0407U ng/Kg
DUP08-SA5A-QC-030211(RES)	1,2,3,4,7,8-HXCDF	0.0316 ng/Kg	0.0316U ng/Kg
DUP08-SA5A-QC-030211(RES)	1,2,3,6,7,8-HXCDF	0.0282 ng/Kg	0.0282U ng/Kg
DUP08-SA5A-QC-030211(RES)	1,2,3,7,8,9-HXCDD	0.0562 ng/Kg	0.0562U ng/Kg
DUP08-SA5A-QC-030211(RES)	1,2,3,7,8-PECDD	0.0154 ng/Kg	0.0154U ng/Kg
DUP08-SA5A-QC-030211(RES)	1,2,3,7,8-PECDF	0.0196 ng/Kg	0.0196U ng/Kg
DUP08-SA5A-QC-030211(RES)	2,3,4,6,7,8-HXCDF	0.0601 ng/Kg	0.0601U ng/Kg
DUP08-SA5A-QC-030211(RES)	2,3,4,7,8-PECDF	0.0720 ng/Kg	0.0720U ng/Kg
DUP08-SA5A-QC-030211(RES)	OCDF	0.188 ng/Kg	0.188U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.227 ng/Kg	0.227U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.181 ng/Kg	0.181U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0388 ng/Kg	0.0388U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDD	0.0185 ng/Kg	0.0185U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.0381 ng/Kg	0.0381U ng/Kg

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

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Method Blank Outlier Report

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_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-006-SA5A-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDD	0.0422 ng/Kg	0.0422U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.0338 ng/Kg	0.0338U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDD	0.0297 ng/Kg	0.0297U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0546 ng/Kg	0.0546U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0203 ng/Kg	0.0203U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0683 ng/Kg	0.0683U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0588 ng/Kg	0.0588U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	2,3,7,8-TCDD	0.0170 ng/Kg	0.0170U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	OCDD	0.424 ng/Kg	0.424U ng/Kg
SL-006-SA5A-SB-2.0-3.0(RES)	OCDF	0.232 ng/Kg	0.232U ng/Kg
SL-007-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.212 ng/Kg	0.212U ng/Kg
SL-007-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.151 ng/Kg	0.151U ng/Kg
SL-007-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0573 ng/Kg	0.0573U ng/Kg
SL-007-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0377 ng/Kg	0.0377U ng/Kg
SL-007-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0191 ng/Kg	0.0191U ng/Kg
SL-007-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0189 ng/Kg	0.0189U ng/Kg
SL-007-SA5A-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0940 ng/Kg	0.0940U ng/Kg
SL-007-SA5A-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0499 ng/Kg	0.0499U ng/Kg
SL-007-SA5A-SB-4.0-5.0(RES)	OCDD	0.890 ng/Kg	0.890U ng/Kg
SL-007-SA5A-SB-4.0-5.0(RES)	OCDF	0.260 ng/Kg	0.260U ng/Kg
SL-007-SA5A-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.328 ng/Kg	0.328U ng/Kg
SL-007-SA5A-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.242 ng/Kg	0.242U ng/Kg
SL-007-SA5A-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0714 ng/Kg	0.0714U ng/Kg
SL-007-SA5A-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0394 ng/Kg	0.0394U ng/Kg
SL-007-SA5A-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0416 ng/Kg	0.0416U ng/Kg
SL-007-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0300 ng/Kg	0.0300U ng/Kg
SL-007-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0114 ng/Kg	0.0114U ng/Kg
SL-007-SA5A-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.116 ng/Kg	0.116U ng/Kg
SL-007-SA5A-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0794 ng/Kg	0.0794U ng/Kg
SL-007-SA5A-SB-9.0-10.0(RES)	OCDD	1.51 ng/Kg	1.51U ng/Kg
SL-007-SA5A-SB-9.0-10.0(RES)	OCDF	0.266 ng/Kg	0.266U ng/Kg
SL-012-SA5A-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.562 ng/Kg	0.562U ng/Kg
SL-012-SA5A-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.169 ng/Kg	0.169U ng/Kg
SL-012-SA5A-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0782 ng/Kg	0.0782U ng/Kg
SL-012-SA5A-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.0558 ng/Kg	0.0558U ng/Kg
SL-012-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDD	0.0448 ng/Kg	0.0448U ng/Kg
SL-012-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0517 ng/Kg	0.0517U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_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-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0847 ng/Kg	0.0847U ng/Kg
SL-012-SA5A-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0828 ng/Kg	0.0828U ng/Kg
SL-012-SA5A-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.110 ng/Kg	0.110U ng/Kg
SL-012-SA5A-SB-2.0-3.0(RES)	OCDF	0.243 ng/Kg	0.243U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	0.225 ng/Kg	0.225U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.110 ng/Kg	0.110U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0289 ng/Kg	0.0289U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0368 ng/Kg	0.0368U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDD	0.0282 ng/Kg	0.0282U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0221 ng/Kg	0.0221U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDD	0.0454 ng/Kg	0.0454U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.0603 ng/Kg	0.0603U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.0274 ng/Kg	0.0274U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.0461 ng/Kg	0.0461U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.0689 ng/Kg	0.0689U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	2,3,7,8-TCDD	0.0244 ng/Kg	0.0244U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	OCDD	0.632 ng/Kg	0.632U ng/Kg
SL-013-SA5A-SB-2.5-3.5(RES)	OCDF	0.169 ng/Kg	0.169U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.230 ng/Kg	0.230U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.202 ng/Kg	0.202U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0421 ng/Kg	0.0421U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0441 ng/Kg	0.0441U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.0258 ng/Kg	0.0258U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	1,2,3,7,8-PECDD	0.0204 ng/Kg	0.0204U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0365 ng/Kg	0.0365U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0852 ng/Kg	0.0852U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0722 ng/Kg	0.0722U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	OCDD	0.718 ng/Kg	0.718U ng/Kg
SL-015-SA5A-SB-3.0-4.0(RES)	OCDF	0.262 ng/Kg	0.262U ng/Kg
SL-225-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.219 ng/Kg	0.219U ng/Kg
SL-225-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HxCDD	0.0826 ng/Kg	0.0826U ng/Kg
SL-225-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.0856 ng/Kg	0.0856U ng/Kg
SL-225-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.114 ng/Kg	0.114U ng/Kg
SL-225-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.258 ng/Kg	0.258U ng/Kg
SL-225-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.120 ng/Kg	0.120U ng/Kg
SL-225-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.116 ng/Kg	0.116U ng/Kg

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

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Method Blank Outlier Report

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_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-225-SA5B-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.0754 ng/Kg	0.0754U ng/Kg
SL-233-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.211 ng/Kg	0.211U ng/Kg
SL-233-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.175 ng/Kg	0.175U ng/Kg
SL-233-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0337 ng/Kg	0.0337U ng/Kg
SL-233-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0438 ng/Kg	0.0438U ng/Kg
SL-233-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0210 ng/Kg	0.0210U ng/Kg
SL-233-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0195 ng/Kg	0.0195U ng/Kg
SL-233-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0133 ng/Kg	0.0133U ng/Kg
SL-233-SA5A-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0704 ng/Kg	0.0704U ng/Kg
SL-233-SA5A-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0592 ng/Kg	0.0592U ng/Kg
SL-233-SA5A-SB-4.0-5.0(RES)	OCDD	0.597 ng/Kg	0.597U ng/Kg
SL-233-SA5A-SB-4.0-5.0(RES)	OCDF	0.240 ng/Kg	0.240U ng/Kg
SL-233-SA5A-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.423 ng/Kg	0.423U ng/Kg
SL-233-SA5A-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.366 ng/Kg	0.366U ng/Kg
SL-233-SA5A-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.154 ng/Kg	0.154U ng/Kg
SL-233-SA5A-SB-9.0-10.0(RES)	OCDD	1.13 ng/Kg	1.13U ng/Kg
SL-233-SA5A-SB-9.0-10.0(RES)	OCDF	0.699 ng/Kg	0.699U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	1,2,3,4,6,7,8-HPCDD	0.388 ng/Kg	0.388U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	1,2,3,4,6,7,8-HPCDF	0.439 ng/Kg	0.439U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0842 ng/Kg	0.0842U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	1,2,3,4,7,8-HXCDF	0.105 ng/Kg	0.105U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	1,2,3,6,7,8-HXCDF	0.0586 ng/Kg	0.0586U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	1,2,3,7,8,9-HXCDD	0.0251 ng/Kg	0.0251U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	1,2,3,7,8-PECDD	0.0143 ng/Kg	0.0143U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	1,2,3,7,8-PECDF	0.0219 ng/Kg	0.0219U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	2,3,4,6,7,8-HXCDF	0.159 ng/Kg	0.159U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	2,3,4,7,8-PECDF	0.0910 ng/Kg	0.0910U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	OCDD	1.20 ng/Kg	1.20U ng/Kg
SL-245-SA5A-SB-29.0-30.0(RES)	OCDF	0.424 ng/Kg	0.424U ng/Kg
SL-245-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.422 ng/Kg	0.422U ng/Kg
SL-245-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0522 ng/Kg	0.0522U ng/Kg
SL-245-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0852 ng/Kg	0.0852U ng/Kg
SL-245-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0416 ng/Kg	0.0416U ng/Kg
SL-245-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0167 ng/Kg	0.0167U ng/Kg
SL-245-SA5A-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.131 ng/Kg	0.131U ng/Kg
SL-245-SA5A-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0891 ng/Kg	0.0891U ng/Kg
SL-245-SA5A-SB-4.0-5.0(RES)	OCDF	0.388 ng/Kg	0.388U ng/Kg

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

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Method Blank Outlier Report

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_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-245-SA5A-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.312 ng/Kg	0.312U ng/Kg
SL-245-SA5A-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0789 ng/Kg	0.0789U ng/Kg
SL-245-SA5A-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0598 ng/Kg	0.0598U ng/Kg
SL-245-SA5A-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0481 ng/Kg	0.0481U ng/Kg
SL-245-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0232 ng/Kg	0.0232U ng/Kg
SL-245-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0384 ng/Kg	0.0384U ng/Kg
SL-245-SA5A-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0849 ng/Kg	0.0849U ng/Kg
SL-245-SA5A-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0810 ng/Kg	0.0810U ng/Kg
SL-245-SA5A-SB-9.0-10.0(RES)	OCDF	0.487 ng/Kg	0.487U ng/Kg
SL-246-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.151 ng/Kg	0.151U ng/Kg
SL-246-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0992 ng/Kg	0.0992U ng/Kg
SL-246-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0173 ng/Kg	0.0173U ng/Kg
SL-246-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0222 ng/Kg	0.0222U ng/Kg
SL-246-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0180 ng/Kg	0.0180U ng/Kg
SL-246-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0202 ng/Kg	0.0202U ng/Kg
SL-246-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0102 ng/Kg	0.0102U ng/Kg
SL-246-SA5A-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0412 ng/Kg	0.0412U ng/Kg
SL-246-SA5A-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0553 ng/Kg	0.0553U ng/Kg
SL-246-SA5A-SB-4.0-5.0(RES)	OCDD	0.471 ng/Kg	0.471U ng/Kg
SL-246-SA5A-SB-4.0-5.0(RES)	OCDF	0.185 ng/Kg	0.185U ng/Kg
SL-246-SA5A-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.255 ng/Kg	0.255U ng/Kg
SL-246-SA5A-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.222 ng/Kg	0.222U ng/Kg
SL-246-SA5A-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0688 ng/Kg	0.0688U ng/Kg
SL-246-SA5A-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0884 ng/Kg	0.0884U ng/Kg
SL-246-SA5A-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0775 ng/Kg	0.0775U ng/Kg
SL-246-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0829 ng/Kg	0.0829U ng/Kg
SL-246-SA5A-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.127 ng/Kg	0.127U ng/Kg
SL-246-SA5A-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.133 ng/Kg	0.133U ng/Kg
SL-246-SA5A-SB-9.0-10.0(RES)	OCDD	0.893 ng/Kg	0.893U ng/Kg
SL-246-SA5A-SB-9.0-10.0(RES)	OCDF	0.246 ng/Kg	0.246U ng/Kg
SL-247-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.223 ng/Kg	0.223U ng/Kg
SL-247-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.191 ng/Kg	0.191U ng/Kg
SL-247-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0552 ng/Kg	0.0552U ng/Kg
SL-247-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0805 ng/Kg	0.0805U ng/Kg
SL-247-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0724 ng/Kg	0.0724U ng/Kg
SL-247-SA5A-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0976 ng/Kg	0.0976U ng/Kg
SL-247-SA5A-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.120 ng/Kg	0.120U ng/Kg

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

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Method Blank Outlier Report

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_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-247-SA5A-SB-4.0-5.0(RES)	OCDD	1.24 ng/Kg	1.24U ng/Kg
SL-247-SA5A-SB-4.0-5.0(RES)	OCDF	0.222 ng/Kg	0.222U ng/Kg
SL-304-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.262 ng/Kg	0.262U ng/Kg
SL-304-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.196 ng/Kg	0.196U ng/Kg
SL-304-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0713 ng/Kg	0.0713U ng/Kg
SL-304-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0501 ng/Kg	0.0501U ng/Kg
SL-304-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0522 ng/Kg	0.0522U ng/Kg
SL-304-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDD	0.0441 ng/Kg	0.0441U ng/Kg
SL-304-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0451 ng/Kg	0.0451U ng/Kg
SL-304-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0726 ng/Kg	0.0726U ng/Kg
SL-304-SA5B-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0761 ng/Kg	0.0761U ng/Kg
SL-304-SA5B-SB-3.0-4.0(RES)	OCDD	0.639 ng/Kg	0.639U ng/Kg
SL-304-SA5B-SB-3.0-4.0(RES)	OCDF	0.326 ng/Kg	0.326U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-245-SA5A-SB-4.0-5.0	DUP08-SA5A-QC-030211			
MOISTURE	8.2	9.3	13		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-245-SA5A-SB-4.0-5.0	DUP08-SA5A-QC-030211			
1,2,3,4,6,7,8-HPCDD	0.422	0.307	32	50.00	No Qualifiers Applied
1,2,3,4,7,8,9-HPCDF	0.0522	0.0407	25	50.00	
1,2,3,6,7,8-HXCDD	0.0295	0.0223	28	50.00	
1,2,3,7,8,9-HXCDD	0.0416	0.0562	30	50.00	
1,2,3,7,8,9-HXCDF	0.0594	0.0552	7	50.00	
1,2,3,7,8-PECDF	0.0167	0.0196	16	50.00	
2,3,4,7,8-PECDF	0.0891	0.0720	21	50.00	
1,2,3,4,6,7,8-HPCDF	0.576	0.130	126	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,7,8-HXCDF	0.151	0.0316	131	50.00	
1,2,3,6,7,8-HXCDF	0.0852	0.0282	101	50.00	
1,2,3,7,8-PECDD	5.45 U	0.0154	200	50.00	
2,3,4,6,7,8-HXCDF	0.131	0.0601	74	50.00	
2,3,7,8-TCDF	0.0255	1.10 U	200	50.00	
OCDD	4.87	2.53	63	50.00	
OCDF	0.388	0.188	69	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP08-SA5A-QC-030211	1,2,3,4,6,7,8-HPCDD	JB	0.307	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.130	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0407	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0316	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0223	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0282	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0562	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0552	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0154	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0196	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0601	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0720	5.51	PQL	ng/Kg	
	OCDD	JB	2.53	11.0	PQL	ng/Kg	
	OCDF	JB	0.188	11.0	PQL	ng/Kg	
SL-006-SA5A-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.227	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.181	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0388	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0185	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0381	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0422	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0338	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0297	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0546	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0203	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0683	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0588	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0170	1.10	PQL	ng/Kg	
	OCDD	JB	0.424	11.0	PQL	ng/Kg	
	OCDF	JB	0.232	11.0	PQL	ng/Kg	
SL-007-SA5A-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.212	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.151	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0573	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0377	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.0677	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0191	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.114	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0981	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0189	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0940	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0499	5.69	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.00904	1.14	PQL	ng/Kg	
	OCDD	JB	0.890	11.4	PQL	ng/Kg	
	OCDF	JB	0.260	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-007-SA5A-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.328	6.06	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.242	6.06	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0714	6.06	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0394	6.06	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0268	6.06	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0416	6.06	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0300	6.06	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0535	6.06	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0114	6.06	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.116	6.06	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0794	6.06	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0155	1.21	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0174	1.21	PQL	ng/Kg	
	OCDD	JB	1.51	12.1	PQL	ng/Kg	
	OCDF	JB	0.266	12.1	PQL	ng/Kg	
SL-012-SA5A-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.562	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.169	5.81	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0782	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0423	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.140	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0280	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0558	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0448	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.0799	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0517	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0847	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0828	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.110	5.81	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0470	1.16	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0277	1.16	PQL	ng/Kg	
SL-013-SA5A-SB-2.5-3.5	OCDD	JB	2.02	11.6	PQL	ng/Kg	
	OCDF	JB	0.243	11.6	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDD	JB	0.225	5.78	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.110	5.78	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0289	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0368	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0282	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0221	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0454	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0603	5.78	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0274	5.78	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0461	5.78	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0689	5.78	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0244	1.16	PQL	ng/Kg	
	OCDD	JB	0.632	11.6	PQL	ng/Kg	
	OCDF	JBQ	0.169	11.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-015-SA5A-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.230	5.92	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.202	5.92	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0421	5.92	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0441	5.92	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0298	5.92	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0256	5.92	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0482	5.92	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0204	5.92	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0365	5.92	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0852	5.92	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0722	5.92	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0198	1.18	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0184	1.18	PQL	ng/Kg	
	OCDD	JB	0.718	11.8	PQL	ng/Kg	
	OCDF	JB	0.262	11.8	PQL	ng/Kg	
SL-225-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDF	JB	1.48	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.219	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0826	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0856	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.01	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.114	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.736	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.258	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.120	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.116	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0754	5.79	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.129	1.16	PQL	ng/Kg	
	OCDF	JB	4.31	11.6	PQL	ng/Kg	
SL-233-SA5A-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.211	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.175	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0337	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0438	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0181	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0210	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0195	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.0226	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0133	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0704	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0592	5.66	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0175	1.13	PQL	ng/Kg	
	OCDD	JB	0.597	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.240	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-233-SA5A-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.423	5.83	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.366	5.83	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.249	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.165	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.140	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.145	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.189	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.195	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.226	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.122	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.126	5.83	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.246	5.83	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.154	5.83	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0244	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0205	1.17	PQL	ng/Kg	
	OCDD	JB	1.13	11.7	PQL	ng/Kg	
	OCDF	JB	0.699	11.7	PQL	ng/Kg	
SL-245-SA5A-SB-29.0-30.0	1,2,3,4,6,7,8-HPCDD	JB	0.388	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.439	5.68	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0842	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.105	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0586	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0251	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.0769	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0143	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0219	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.159	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0910	5.68	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0177	1.14	PQL	ng/Kg	
	OCDD	JB	1.20	11.4	PQL	ng/Kg	
	OCDF	JB	0.424	11.4	PQL	ng/Kg	
SL-245-SA5A-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.422	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.576	5.45	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0522	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.151	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.0295	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0852	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0416	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.0594	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0167	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.131	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0891	5.45	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0255	1.09	PQL	ng/Kg	
	OCDD	JB	4.87	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.388	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-245-SA5A-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.44	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.312	5.52	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0789	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0598	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.0939	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0481	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0949	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0960	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0232	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0384	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0849	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0810	5.52	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0162	1.10	PQL	ng/Kg	
	OCDF	JBQ	0.487	11.0	PQL	ng/Kg	
SL-246-SA5A-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.151	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0992	5.42	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0173	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0222	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0231	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0180	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0202	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JQ	0.0327	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0102	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0412	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0553	5.42	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0123	1.08	PQL	ng/Kg	
	OCDD	JB	0.471	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.185	10.8	PQL	ng/Kg	
SL-246-SA5A-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.255	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.222	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0688	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0400	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0884	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.130	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0775	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.326	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.250	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0829	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.116	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.127	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.133	5.54	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0303	1.11	PQL	ng/Kg	
	OCDD	JB	0.893	11.1	PQL	ng/Kg	
	OCDF	JBQ	0.246	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX061

Laboratory: LL

EDD Filename: DX061_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-247-SA5A-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.223	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.191	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0552	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0338	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0805	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0764	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0724	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.163	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.166	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0924	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.129	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0976	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.120	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0291	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0303	1.13	PQL	ng/Kg	
	OCDD	JB	1.24	11.3	PQL	ng/Kg	
	OCDF	JB	0.222	11.3	PQL	ng/Kg	
SL-247-SA5A-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	1.61	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.716	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.224	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.288	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.279	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	J	0.507	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.300	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.661	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.491	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.311	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.312	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.319	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.283	5.57	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0530	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0625	1.11	PQL	ng/Kg	
	OCDD	JB	8.65	11.1	PQL	ng/Kg	
	OCDF	JB	0.846	11.1	PQL	ng/Kg	
SL-304-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.262	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.196	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0713	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0241	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0501	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JQ	0.0551	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0522	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0817	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.0805	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0441	5.77	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0451	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0726	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0761	5.77	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0286	1.15	PQL	ng/Kg	
	OCDD	JB	0.639	11.5	PQL	ng/Kg	
	OCDF	JB	0.326	11.5	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX062

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-Mar-2011	SL-115-SA5A-SB-6.5-7.5	6229295	N	METHOD	1613B	III
10-Mar-2011	SL-115-SA5A-SB-13.0-14.0	6229296	N	METHOD	1613B	III
10-Mar-2011	SL-116-SA5A-SB-6.0-7.0	6229297	N	METHOD	1613B	III
10-Mar-2011	SL-116-SA5A-SB-14.0-15.0	6229298	N	METHOD	1613B	III
11-Mar-2011	SL-114-SA5A-SB-4.0-5.0	6228990	N	METHOD	1613B	III
11-Mar-2011	SL-114-SA5A-SB-4.0-5.0MS	6228991	MS	METHOD	1613B	III
11-Mar-2011	SL-114-SA5A-SB-4.0-5.0MSD	6228992	MSD	METHOD	1613B	III
11-Mar-2011	SL-114-SA5A-SB-9.0-10.0	6228993	N	METHOD	1613B	III
11-Mar-2011	DUP09-SA5A-QC-031111	6228987	FD	METHOD	1613B	III
11-Mar-2011	SL-112-SA5A-SB-8.5-9.5	6228988	N	METHOD	1613B	III
11-Mar-2011	SL-112-SA5A-SB-14.0-15.0	6228989	N	METHOD	1613B	III
11-Mar-2011	SL-227-SA5B-SB-2.5-3.5	6228996	N	METHOD	1613B	III
11-Mar-2011	SL-113-SA5A-SB-9.0-10.0	6228994	N	METHOD	1613B	III
11-Mar-2011	SL-113-SA5A-SB-14.0-15.0	6228995	N	METHOD	1613B	III
14-Mar-2011	SL-117-SA5A-SB-5.0-6.0	6230068	N	METHOD	1613B	III
14-Mar-2011	SL-118-SA5A-SB-2.5-3.5	6230067	N	METHOD	1613B	III
14-Mar-2011	SL-121-SA5A-SB-2.0-3.0	6230066	N	METHOD	1613B	III
14-Mar-2011	SL-001-SA5A-SB-4.0-5.0	6230069	N	METHOD	1613B	III
15-Mar-2011	EB07-SA5A-031511	6230979	EB	METHOD	1613B	III
15-Mar-2011	SL-137-SA5A-SB-4.0-5.0	6230976	N	METHOD	1613B	III
15-Mar-2011	SL-138-SA5A-SB-4.0-5.0	6230978	N	METHOD	1613B	III
15-Mar-2011	SL-132-SA5A-SB-2.0-3.0	6230977	N	METHOD	1613B	III

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: AQ

Sample ID: EB07-SA5A-031511

Collected: 3/15/2011 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	3.67	JBQ	0.486	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	7.92	JB	0.397	MDL	10.1	PQL	pg/L	UJ	B, I
1,2,3,4,7,8,9-HPCDF	0.809	JBQ	0.297	MDL	10.1	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	1.52	JB	0.531	MDL	10.1	PQL	pg/L	UJ	B, I
1,2,3,6,7,8-HXCDD	0.373	JBQ	0.338	MDL	10.1	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.793	JB	0.390	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.788	JBQ	0.298	MDL	10.1	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.457	JB	0.204	MDL	10.1	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	1.49	JB	0.228	MDL	10.1	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.923	JBQ	0.198	MDL	10.1	PQL	pg/L	U	B
2,3,7,8-TCDD	0.439	JQ	0.396	MDL	2.03	PQL	pg/L	J	Z
OCDD	6.72	JB	0.548	MDL	20.3	PQL	pg/L	U	B
OCDF	4.26	JB	0.825	MDL	20.3	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP09-SA5A-QC-031111

Collected: 3/11/2011 8:58:00

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	0.701	JB	0.0289	MDL	6.08	PQL	ng/Kg	UJ	B, FD
1,2,3,4,6,7,8-HPCDF	0.857	JB	0.0169	MDL	6.08	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.134	JB	0.0213	MDL	6.08	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0675	JQ	0.0247	MDL	6.08	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.158	JB	0.0271	MDL	6.08	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.0969	JB	0.0259	MDL	6.08	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDF	0.171	JBQ	0.0239	MDL	6.08	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.151	JB	0.0261	MDL	6.08	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDF	0.160	JBQ	0.0258	MDL	6.08	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.0703	JBQ	0.0236	MDL	6.08	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.116	JBQ	0.0146	MDL	6.08	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.291	JB	0.0244	MDL	6.08	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.190	JBQ	0.0142	MDL	6.08	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0380	JQ	0.0255	MDL	1.22	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: DUP09-SA5A-QC-031111

Collected: 3/11/2011 8:58:00

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	0.0354	JBQ	0.0237	MDL	1.22	PQL	ng/Kg	UJ	B, FD
OCDD	2.68	JB	0.0294	MDL	12.2	PQL	ng/Kg	U	B
OCDF	0.592	JB	0.0299	MDL	12.2	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-001-SA5A-SB-4.0-5.0

Collected: 3/14/2011 2:57:00

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	0.424	JB	0.0362	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.330	JB	0.0256	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0604	JB	0.0268	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0350	J	0.0233	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0464	JB	0.0308	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0644	JBQ	0.0222	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0644	JBQ	0.0219	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0499	JBQ	0.0224	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0901	JBQ	0.0203	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0378	JBQ	0.0265	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0246	JBQ	0.0147	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.122	JB	0.0166	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.115	JB	0.0157	MDL	5.66	PQL	ng/Kg	U	B
OCDD	3.10	JB	0.0481	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.429	JB	0.0472	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-112-SA5A-SB-14.0-15.0

Collected: 3/11/2011 12:16:00

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	0.871	JB	0.0337	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.647	JB	0.0185	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0946	JB	0.0183	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.121	JB	0.0271	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0957	JBQ	0.0247	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0824	JB	0.0238	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0720	JBQ	0.0207	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0371	JB	0.0241	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0711	JBQ	0.0140	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-112-SA5A-SB-14.0-15.0

Collected: 3/11/2011 12:16:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.172	JBQ	0.0202	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.125	JBQ	0.0158	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0288	J	0.0237	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	7.18	JB	0.0312	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.500	JB	0.0301	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-112-SA5A-SB-8.5-9.5

Collected: 3/11/2011 12:06:00

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	3.96	JB	0.0360	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.927	JB	0.0174	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.109	JB	0.0202	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0592	JQ	0.0303	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.178	JBQ	0.0274	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.145	JBQ	0.0314	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.137	JB	0.0254	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.164	JBQ	0.0313	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.112	JB	0.0282	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.182	JBQ	0.0198	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.261	JB	0.0262	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.261	JB	0.0186	MDL	5.54	PQL	ng/Kg	U	B
OCDF	1.19	JB	0.0277	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-113-SA5A-SB-14.0-15.0

Collected: 3/11/2011 3:39:00

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	0.669	JB	0.0430	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	1.15	JB	0.0291	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.163	JB	0.0288	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.194	JB	0.0486	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0653	JBQ	0.0336	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.170	JBQ	0.0383	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0558	JBQ	0.0324	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0927	JB	0.0364	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0616	JBQ	0.0252	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-113-SA5A-SB-14.0-15.0

Collected: 3/11/2011 3:39:00

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	0.315	JB	0.0329	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.206	JB	0.0244	MDL	5.45	PQL	ng/Kg	U	B
OCDD	4.07	JB	0.0397	MDL	10.9	PQL	ng/Kg	J	Z
OCDF	0.643	JBQ	0.0490	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-113-SA5A-SB-9.0-10.0

Collected: 3/11/2011 3:29:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.47	JB	0.0534	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.20	JB	0.0272	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.160	JB	0.0311	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0976	JQ	0.0365	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.302	JB	0.0478	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.158	JB	0.0368	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.133	JBQ	0.0355	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.147	JBQ	0.0366	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0616	JBQ	0.0392	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.171	JBQ	0.0249	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.332	JBQ	0.0310	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.255	JB	0.0268	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0596	JQ	0.0440	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	2.09	JB	0.0496	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-114-SA5A-SB-4.0-5.0

Collected: 3/11/2011 8:34:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.375	JB	0.0245	MDL	6.48	PQL	ng/Kg	UJ	B, FD
1,2,3,4,6,7,8-HPCDF	0.0700	JB	0.0142	MDL	6.48	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0217	JBQ	0.00984	MDL	6.48	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0155	U	0.0155	MDL	6.48	PQL	ng/Kg	UJ	FD
1,2,3,4,7,8-HXCDF	0.0190	U	0.0190	MDL	6.48	PQL	ng/Kg	UJ	FD
1,2,3,6,7,8-HXCDD	0.0149	U	0.0149	MDL	6.48	PQL	ng/Kg	UJ	FD
1,2,3,6,7,8-HXCDF	0.0192	JBQ	0.0132	MDL	6.48	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDD	0.0505	JBQ	0.0115	MDL	6.48	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HXCDF	0.00777	U	0.00777	MDL	6.48	PQL	ng/Kg	UJ	FD

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-114-SA5A-SB-4.0-5.0

Collected: 3/11/2011 8:34:00

Analysis 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	0.0233	JQ	0.0183	MDL	6.48	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.0216	JB	0.00764	MDL	6.48	PQL	ng/Kg	UJ	B, FD
2,3,4,6,7,8-HXCDF	0.0249	JB	0.00738	MDL	6.48	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.0453	JB	0.00751	MDL	6.48	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0178	JQ	0.0154	MDL	1.30	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.0124	U	0.0124	MDL	1.30	PQL	ng/Kg	UJ	FD
OCDD	2.23	JB	0.0304	MDL	13.0	PQL	ng/Kg	J	Z
OCDF	0.134	JB	0.0215	MDL	13.0	PQL	ng/Kg	UJ	B, FD

Sample ID: SL-114-SA5A-SB-9.0-10.0

Collected: 3/11/2011 8:43:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.09	JB	0.0376	MDL	6.31	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.04	JB	0.0170	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.134	JB	0.0230	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0294	J	0.0288	MDL	6.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.176	JB	0.0290	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.101	JB	0.0290	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.138	JB	0.0251	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0795	JB	0.0299	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0974	JB	0.0303	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0431	JBQ	0.0163	MDL	6.31	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.349	JB	0.0256	MDL	6.31	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.192	JB	0.0173	MDL	6.31	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0420	JQ	0.0298	MDL	1.26	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0413	JB	0.0287	MDL	1.26	PQL	ng/Kg	U	B
OCDF	0.840	JB	0.0360	MDL	12.6	PQL	ng/Kg	U	B

Sample ID: SL-115-SA5A-SB-13.0-14.0

Collected: 3/10/2011 10:44:00

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-HPCDF	1.74	JB	0.0298	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.265	JB	0.0346	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.133	JQ	0.0470	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.277	JB	0.0402	MDL	5.58	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-115-SA5A-SB-13.0-14.0

Collected: 3/10/2011 10:44:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	0.337	JB	0.0471	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.182	JB	0.0317	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.238	JBQ	0.0462	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.172	JB	0.0354	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.119	JBQ	0.0278	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.399	JB	0.0218	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.262	JB	0.0302	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.357	JB	0.0224	MDL	5.58	PQL	ng/Kg	U	B
OCDF	3.61	JB	0.0334	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-115-SA5A-SB-6.5-7.5

Collected: 3/10/2011 10:22:00

Analysis Type: RES

Dilution: 1

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	2.97	JB	0.0356	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.397	JB	0.0335	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.130	J	0.0551	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.584	JBQ	0.0502	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.592	JB	0.0544	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.300	JB	0.0390	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.305	JB	0.0466	MDL	5.52	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.118	JB	0.0324	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0747	JB	0.0330	MDL	5.52	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.611	JB	0.0316	MDL	5.52	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.441	JB	0.0330	MDL	5.52	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.586	JB	0.0310	MDL	5.52	PQL	ng/Kg	U	B
OCDF	5.62	JB	0.0354	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-116-SA5A-SB-14.0-15.0

Collected: 3/10/2011 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
1,2,3,4,7,8,9-HPCDF	0.877	JB	0.0400	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.442	J	0.0490	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.569	JB	0.0394	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.67	JB	0.0527	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.707	JB	0.0359	MDL	5.71	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-116-SA5A-SB-14.0-15.0

Collected: 3/10/2011 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
1,2,3,7,8,9-HXCDD	0.953	JB	0.0502	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.274	JB	0.0371	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.314	JB	0.0397	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.283	JBQ	0.0258	MDL	5.71	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.18	JB	0.0322	MDL	5.71	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.14	JB	0.0240	MDL	5.71	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.127	JB	0.0419	MDL	1.14	PQL	ng/Kg	U	B

Sample ID: SL-116-SA5A-SB-6.0-7.0

Collected: 3/10/2011 1:57:00

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-HPCDF	1.62	JB	0.0288	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.184	JB	0.0249	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.104	J	0.0315	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.432	JB	0.0448	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.203	JB	0.0303	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.235	JB	0.0354	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.159	JB	0.0291	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.160	JBQ	0.0302	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.123	JB	0.0259	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.279	JB	0.0163	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.334	JB	0.0294	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.327	JB	0.0164	MDL	5.59	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0527	JQ	0.0246	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0529	JBQ	0.0228	MDL	1.12	PQL	ng/Kg	U	B
OCDF	2.09	JB	0.0279	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-117-SA5A-SB-5.0-6.0

Collected: 3/14/2011 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
1,2,3,4,6,7,8-HPCDD	0.479	JB	0.0360	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.363	JB	0.0193	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0819	JB	0.0238	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.132	JBQ	0.0220	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0664	JB	0.0283	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-117-SA5A-SB-5.0-6.0

Collected: 3/14/2011 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
1,2,3,6,7,8-HXCDF	0.0692	JB	0.0194	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.103	JB	0.0270	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0953	JBQ	0.0217	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0501	JBQ	0.0275	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0908	JB	0.0142	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.120	JBQ	0.0193	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.133	JB	0.0139	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0321	J	0.0274	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0402	JB	0.0213	MDL	1.12	PQL	ng/Kg	U	B
OCDD	2.99	JB	0.0407	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.326	JB	0.0406	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-118-SA5A-SB-2.5-3.5

Collected: 3/14/2011 10:33:00

Analysis Type: RES

Dilution: 1

Analyte	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	0.0387	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.502	JB	0.0286	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0852	JB	0.0283	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0438	JQ	0.0280	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.125	JB	0.0298	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.128	JB	0.0288	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0974	JB	0.0236	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.181	JB	0.0281	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.115	JB	0.0218	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0681	JBQ	0.0235	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0891	JB	0.0151	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.131	JB	0.0198	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.119	JB	0.0144	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0265	JBQ	0.0243	MDL	1.10	PQL	ng/Kg	U	B
OCDF	0.639	JB	0.0421	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-121-SA5A-SB-2.0-3.0

Collected: 3/14/2011 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	4.44	JB	0.0550	MDL	5.40	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-121-SA5A-SB-2.0-3.0

Collected: 3/14/2011 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-HPCDF	0.848	JB	0.0443	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.186	JB	0.0464	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0853	J	0.0428	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.236	JB	0.0488	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.112	JB	0.0419	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.155	JB	0.0379	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.103	JBQ	0.0386	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.134	JB	0.0362	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0530	JBQ	0.0406	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.257	JBQ	0.0287	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.243	JB	0.0296	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.162	JB	0.0276	MDL	5.40	PQL	ng/Kg	U	B
OCDF	1.17	JBQ	0.0653	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-132-SA5A-SB-2.0-3.0

Collected: 3/15/2011 3:37:00

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	1.66	JB	0.0318	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.665	JBQ	0.0219	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.109	JB	0.0251	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0281	J	0.0268	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.135	JB	0.0289	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.117	JB	0.0264	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.122	JBQ	0.0229	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.109	JBQ	0.0248	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.111	JBQ	0.0238	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0418	JBQ	0.0244	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0658	JB	0.0162	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.194	JB	0.0204	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.145	JB	0.0165	MDL	5.56	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0325	JQ	0.0307	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	0.652	JB	0.0380	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-137-SA5A-SB-4.0-5.0

Collected: 3/15/2011 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	0.632	JB	0.0318	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.514	JB	0.0179	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0633	JB	0.0201	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0220	J	0.0216	MDL	5.78	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.216	JB	0.0262	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0501	JBQ	0.0214	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0732	JBQ	0.0209	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0555	JBQ	0.0222	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0529	JBQ	0.0215	MDL	5.78	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0466	JBQ	0.0124	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.138	JB	0.0182	MDL	5.78	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.117	JBQ	0.0128	MDL	5.78	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0273	J	0.0249	MDL	1.16	PQL	ng/Kg	J	Z
OCDD	5.19	JB	0.0346	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.451	JB	0.0314	MDL	11.6	PQL	ng/Kg	U	B

Sample ID: SL-138-SA5A-SB-4.0-5.0

Collected: 3/15/2011 2:36:00

Analysis Type: RES

Dilution: 1

Analyte	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	0.0231	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	1.30	JB	0.0279	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.124	JB	0.0179	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0492	JQ	0.0258	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.268	JB	0.0458	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0634	JBQ	0.0232	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.173	JB	0.0326	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0604	JB	0.0164	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0885	JBQ	0.0173	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0375	JBQ	0.0193	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0639	JBQ	0.0114	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.301	JBQ	0.0171	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.171	JB	0.0137	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0226	JQ	0.0172	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0277	JB	0.0163	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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B

Matrix: SO

Sample ID: SL-138-SA5A-SB-4.0-5.0

Collected: 3/15/2011 2:36:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.891	JB	0.0349	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-227-SA5B-SB-2.5-3.5

Collected: 3/11/2011 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	4.73	JB	0.0470	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.482	JB	0.0295	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0917	JB	0.0194	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.309	J	0.0496	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.360	JB	0.0468	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.122	JB	0.0334	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.427	JB	0.0360	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.257	JB	0.0176	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.114	JQ	0.0450	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.151	JB	0.0130	MDL	5.70	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0841	JB	0.0161	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.220	JB	0.0137	MDL	5.70	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0380	J	0.0210	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0970	J	0.0217	MDL	1.14	PQL	ng/Kg	J	Z
OCDF	1.12	JB	0.0277	MDL	11.4	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_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	Matrix Spike Precision
F	Equipment Blank Contamination

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

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
R	Continuing Calibration Verification Percent Recovery Lower Estimation

* denotes a non-reportable result

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

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Data Qualifier Summary

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

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

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Enclosure I

EPA Level III ADR Outliers (including Manual Review Outliers)

Quality Control Outlier Reports

DX062

Method Blank Outlier Report

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0770B371957	3/22/2011 7:57:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8-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	2.65 pg/L 11.0 pg/L 1.20 pg/L 0.907 pg/L 2.83 pg/L 0.786 pg/L 1.96 pg/L 0.545 pg/L 0.986 pg/L 0.676 pg/L 0.499 pg/L 1.32 pg/L 1.33 pg/L 0.214 pg/L 5.10 pg/L 4.29 pg/L	EB07-SA5A-031511

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
EB07-SA5A-031511(RES)	1,2,3,4,6,7,8-HPCDD	3.67 pg/L	3.67U pg/L
EB07-SA5A-031511(RES)	1,2,3,4,6,7,8-HPCDF	7.92 pg/L	7.92U pg/L
EB07-SA5A-031511(RES)	1,2,3,4,7,8,9-HPCDF	0.809 pg/L	0.809U pg/L
EB07-SA5A-031511(RES)	1,2,3,4,7,8-HxCDF	1.52 pg/L	1.52U pg/L
EB07-SA5A-031511(RES)	1,2,3,6,7,8-HxCDD	0.373 pg/L	0.373U pg/L
EB07-SA5A-031511(RES)	1,2,3,6,7,8-HxCDF	0.793 pg/L	0.793U pg/L
EB07-SA5A-031511(RES)	1,2,3,7,8,9-HxCDD	0.788 pg/L	0.788U pg/L
EB07-SA5A-031511(RES)	1,2,3,7,8-PECDF	0.457 pg/L	0.457U pg/L
EB07-SA5A-031511(RES)	2,3,4,6,7,8-HxCDF	1.49 pg/L	1.49U pg/L
EB07-SA5A-031511(RES)	2,3,4,7,8-PECDF	0.923 pg/L	0.923U pg/L
EB07-SA5A-031511(RES)	OCDD	6.72 pg/L	6.72U pg/L
EB07-SA5A-031511(RES)	OCDF	4.26 pg/L	4.26U pg/L

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0800B372149	3/23/2011 9:49:00 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 1,2,3,6,7,8-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	0.177 ng/Kg 0.0538 ng/Kg 0.0217 ng/Kg 0.0113 ng/Kg 0.0248 ng/Kg 0.0158 ng/Kg 0.0173 ng/Kg 0.0215 ng/Kg 0.0230 ng/Kg 0.0446 ng/Kg 0.337 ng/Kg 0.0956 ng/Kg	SL-114-SA5A-SB-4.0-5.0 SL-227-SA5B-SB-2.5-3.5

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

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Method Blank Outlier Report

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0900B372031	4/1/2011 8:31:00 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-TCDF OCDD OCDF	0.351 ng/Kg 0.742 ng/Kg 0.112 ng/Kg 0.135 ng/Kg 0.0329 ng/Kg 0.119 ng/Kg 0.0392 ng/Kg 0.116 ng/Kg 0.0588 ng/Kg 0.0506 ng/Kg 0.255 ng/Kg 0.169 ng/Kg 0.0440 ng/Kg 0.634 ng/Kg 0.496 ng/Kg	DUP09-SA5A-QC-031111 SL-001-SA5A-SB-4.0-5.0 SL-112-SA5A-SB-14.0-15.0 SL-112-SA5A-SB-8.5-9.5 SL-113-SA5A-SB-14.0-15.0 SL-113-SA5A-SB-9.0-10.0 SL-114-SA5A-SB-9.0-10.0 SL-115-SA5A-SB-13.0-14.0 SL-115-SA5A-SB-6.5-7.5 SL-116-SA5A-SB-14.0-15.0 SL-116-SA5A-SB-6.0-7.0 SL-117-SA5A-SB-5.0-6.0 SL-118-SA5A-SB-2.5-3.5 SL-121-SA5A-SB-2.0-3.0 SL-132-SA5A-SB-2.0-3.0 SL-137-SA5A-SB-4.0-5.0 SL-138-SA5A-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
DUP09-SA5A-QC-031111(RES)	1,2,3,4,6,7,8-HPCDD	0.701 ng/Kg	0.701U ng/Kg
DUP09-SA5A-QC-031111(RES)	1,2,3,4,6,7,8-HPCDF	0.857 ng/Kg	0.857U ng/Kg
DUP09-SA5A-QC-031111(RES)	1,2,3,4,7,8,9-HPCDF	0.134 ng/Kg	0.134U ng/Kg
DUP09-SA5A-QC-031111(RES)	1,2,3,4,7,8-HXCDF	0.158 ng/Kg	0.158U ng/Kg
DUP09-SA5A-QC-031111(RES)	1,2,3,6,7,8-HXCDD	0.0969 ng/Kg	0.0969U ng/Kg
DUP09-SA5A-QC-031111(RES)	1,2,3,6,7,8-HXCDF	0.171 ng/Kg	0.171U ng/Kg
DUP09-SA5A-QC-031111(RES)	1,2,3,7,8,9-HXCDD	0.151 ng/Kg	0.151U ng/Kg
DUP09-SA5A-QC-031111(RES)	1,2,3,7,8,9-HXCDF	0.160 ng/Kg	0.160U ng/Kg
DUP09-SA5A-QC-031111(RES)	1,2,3,7,8-PECDD	0.0703 ng/Kg	0.0703U ng/Kg
DUP09-SA5A-QC-031111(RES)	1,2,3,7,8-PECDF	0.116 ng/Kg	0.116U ng/Kg
DUP09-SA5A-QC-031111(RES)	2,3,4,6,7,8-HXCDF	0.291 ng/Kg	0.291U ng/Kg
DUP09-SA5A-QC-031111(RES)	2,3,4,7,8-PECDF	0.190 ng/Kg	0.190U ng/Kg
DUP09-SA5A-QC-031111(RES)	2,3,7,8-TCDF	0.0354 ng/Kg	0.0354U ng/Kg
DUP09-SA5A-QC-031111(RES)	OCDD	2.68 ng/Kg	2.68U ng/Kg
DUP09-SA5A-QC-031111(RES)	OCDF	0.592 ng/Kg	0.592U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.424 ng/Kg	0.424U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.330 ng/Kg	0.330U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0604 ng/Kg	0.0604U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0464 ng/Kg	0.0464U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0644 ng/Kg	0.0644U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0644 ng/Kg	0.0644U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0499 ng/Kg	0.0499U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0901 ng/Kg	0.0901U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0378 ng/Kg	0.0378U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0246 ng/Kg	0.0246U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.122 ng/Kg	0.122U ng/Kg

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

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Method Blank Outlier Report

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_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-001-SA5A-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.115 ng/Kg	0.115U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	OCDD	3.10 ng/Kg	3.10U ng/Kg
SL-001-SA5A-SB-4.0-5.0(RES)	OCDF	0.429 ng/Kg	0.429U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDD	0.871 ng/Kg	0.871U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDF	0.647 ng/Kg	0.647U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0946 ng/Kg	0.0946U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	1,2,3,4,7,8-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	1,2,3,6,7,8-HXCDD	0.0957 ng/Kg	0.0957U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	1,2,3,6,7,8-HXCDF	0.0824 ng/Kg	0.0824U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	1,2,3,7,8,9-HXCDD	0.0720 ng/Kg	0.0720U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	1,2,3,7,8-PECDD	0.0371 ng/Kg	0.0371U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	1,2,3,7,8-PECDF	0.0711 ng/Kg	0.0711U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	2,3,4,6,7,8-HXCDF	0.172 ng/Kg	0.172U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	2,3,4,7,8-PECDF	0.125 ng/Kg	0.125U ng/Kg
SL-112-SA5A-SB-14.0-15.0(RES)	OCDF	0.500 ng/Kg	0.500U ng/Kg
SL-112-SA5A-SB-8.5-9.5(RES)	1,2,3,4,6,7,8-HPCDF	0.927 ng/Kg	0.927U ng/Kg
SL-112-SA5A-SB-8.5-9.5(RES)	1,2,3,4,7,8,9-HPCDF	0.109 ng/Kg	0.109U ng/Kg
SL-112-SA5A-SB-8.5-9.5(RES)	1,2,3,4,7,8-HXCDF	0.178 ng/Kg	0.178U ng/Kg
SL-112-SA5A-SB-8.5-9.5(RES)	1,2,3,6,7,8-HXCDD	0.145 ng/Kg	0.145U ng/Kg
SL-112-SA5A-SB-8.5-9.5(RES)	1,2,3,6,7,8-HXCDF	0.137 ng/Kg	0.137U ng/Kg
SL-112-SA5A-SB-8.5-9.5(RES)	1,2,3,7,8,9-HXCDD	0.164 ng/Kg	0.164U ng/Kg
SL-112-SA5A-SB-8.5-9.5(RES)	1,2,3,7,8,9-HXCDF	0.112 ng/Kg	0.112U ng/Kg
SL-112-SA5A-SB-8.5-9.5(RES)	1,2,3,7,8-PECDF	0.182 ng/Kg	0.182U ng/Kg
SL-112-SA5A-SB-8.5-9.5(RES)	2,3,4,6,7,8-HXCDF	0.261 ng/Kg	0.261U ng/Kg
SL-112-SA5A-SB-8.5-9.5(RES)	2,3,4,7,8-PECDF	0.261 ng/Kg	0.261U ng/Kg
SL-112-SA5A-SB-8.5-9.5(RES)	OCDF	1.19 ng/Kg	1.19U ng/Kg
SL-113-SA5A-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDD	0.669 ng/Kg	0.669U ng/Kg
SL-113-SA5A-SB-14.0-15.0(RES)	1,2,3,4,6,7,8-HPCDF	1.15 ng/Kg	1.15U ng/Kg
SL-113-SA5A-SB-14.0-15.0(RES)	1,2,3,4,7,8,9-HPCDF	0.163 ng/Kg	0.163U ng/Kg
SL-113-SA5A-SB-14.0-15.0(RES)	1,2,3,4,7,8-HXCDF	0.194 ng/Kg	0.194U ng/Kg
SL-113-SA5A-SB-14.0-15.0(RES)	1,2,3,6,7,8-HXCDD	0.0653 ng/Kg	0.0653U ng/Kg
SL-113-SA5A-SB-14.0-15.0(RES)	1,2,3,6,7,8-HXCDF	0.170 ng/Kg	0.170U ng/Kg
SL-113-SA5A-SB-14.0-15.0(RES)	1,2,3,7,8,9-HXCDD	0.0558 ng/Kg	0.0558U ng/Kg
SL-113-SA5A-SB-14.0-15.0(RES)	1,2,3,7,8,9-HXCDF	0.0927 ng/Kg	0.0927U ng/Kg
SL-113-SA5A-SB-14.0-15.0(RES)	1,2,3,7,8-PECDF	0.0616 ng/Kg	0.0616U ng/Kg
SL-113-SA5A-SB-14.0-15.0(RES)	2,3,4,6,7,8-HXCDF	0.315 ng/Kg	0.315U ng/Kg
SL-113-SA5A-SB-14.0-15.0(RES)	2,3,4,7,8-PECDF	0.206 ng/Kg	0.206U ng/Kg

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

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Method Blank Outlier Report

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_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-113-SA5A-SB-14.0-15.0(RES)	OCDF	0.643 ng/Kg	0.643U ng/Kg
SL-113-SA5A-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	1.20 ng/Kg	1.20U ng/Kg
SL-113-SA5A-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.160 ng/Kg	0.160U ng/Kg
SL-113-SA5A-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.302 ng/Kg	0.302U ng/Kg
SL-113-SA5A-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.158 ng/Kg	0.158U ng/Kg
SL-113-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.133 ng/Kg	0.133U ng/Kg
SL-113-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.147 ng/Kg	0.147U ng/Kg
SL-113-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0616 ng/Kg	0.0616U ng/Kg
SL-113-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.171 ng/Kg	0.171U ng/Kg
SL-113-SA5A-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.332 ng/Kg	0.332U ng/Kg
SL-113-SA5A-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.255 ng/Kg	0.255U ng/Kg
SL-113-SA5A-SB-9.0-10.0(RES)	OCDF	2.09 ng/Kg	2.09U ng/Kg
SL-114-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.375 ng/Kg	0.375U ng/Kg
SL-114-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0700 ng/Kg	0.0700U ng/Kg
SL-114-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0217 ng/Kg	0.0217U ng/Kg
SL-114-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0192 ng/Kg	0.0192U ng/Kg
SL-114-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0505 ng/Kg	0.0505U ng/Kg
SL-114-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0216 ng/Kg	0.0216U ng/Kg
SL-114-SA5A-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0249 ng/Kg	0.0249U ng/Kg
SL-114-SA5A-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0453 ng/Kg	0.0453U ng/Kg
SL-114-SA5A-SB-4.0-5.0(RES)	OCDF	0.134 ng/Kg	0.134U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	1.04 ng/Kg	1.04U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.134 ng/Kg	0.134U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.101 ng/Kg	0.101U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0795 ng/Kg	0.0795U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0974 ng/Kg	0.0974U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0431 ng/Kg	0.0431U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.349 ng/Kg	0.349U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.192 ng/Kg	0.192U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0413 ng/Kg	0.0413U ng/Kg
SL-114-SA5A-SB-9.0-10.0(RES)	OCDF	0.840 ng/Kg	0.840U ng/Kg
SL-115-SA5A-SB-13.0-14.0(RES)	1,2,3,4,6,7,8-HPCDF	1.74 ng/Kg	1.74U ng/Kg
SL-115-SA5A-SB-13.0-14.0(RES)	1,2,3,4,7,8,9-HPCDF	0.265 ng/Kg	0.265U ng/Kg
SL-115-SA5A-SB-13.0-14.0(RES)	1,2,3,4,7,8-HXCDF	0.277 ng/Kg	0.277U ng/Kg
SL-115-SA5A-SB-13.0-14.0(RES)	1,2,3,6,7,8-HXCDF	0.182 ng/Kg	0.182U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_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-SA5A-SB-13.0-14.0(RES)	1,2,3,7,8,9-HXCDF	0.172 ng/Kg	0.172U ng/Kg
SL-115-SA5A-SB-13.0-14.0(RES)	1,2,3,7,8-PECDD	0.119 ng/Kg	0.119U ng/Kg
SL-115-SA5A-SB-13.0-14.0(RES)	2,3,4,6,7,8-HXCDF	0.262 ng/Kg	0.262U ng/Kg
SL-115-SA5A-SB-13.0-14.0(RES)	2,3,4,7,8-PECDF	0.357 ng/Kg	0.357U ng/Kg
SL-115-SA5A-SB-6.5-7.5(RES)	1,2,3,4,6,7,8-HPCDF	2.97 ng/Kg	2.97U ng/Kg
SL-115-SA5A-SB-6.5-7.5(RES)	1,2,3,4,7,8,9-HPCDF	0.397 ng/Kg	0.397U ng/Kg
SL-115-SA5A-SB-6.5-7.5(RES)	1,2,3,4,7,8-HXCDF	0.584 ng/Kg	0.584U ng/Kg
SL-115-SA5A-SB-6.5-7.5(RES)	1,2,3,6,7,8-HXCDF	0.300 ng/Kg	0.300U ng/Kg
SL-115-SA5A-SB-6.5-7.5(RES)	1,2,3,7,8,9-HXCDF	0.118 ng/Kg	0.118U ng/Kg
SL-115-SA5A-SB-6.5-7.5(RES)	1,2,3,7,8-PECDD	0.0747 ng/Kg	0.0747U ng/Kg
SL-115-SA5A-SB-6.5-7.5(RES)	2,3,4,6,7,8-HXCDF	0.441 ng/Kg	0.441U ng/Kg
SL-115-SA5A-SB-6.5-7.5(RES)	2,3,4,7,8-PECDF	0.586 ng/Kg	0.586U ng/Kg
SL-116-SA5A-SB-14.0-15.0(RES)	1,2,3,4,7,8-HXCDF	0.569 ng/Kg	0.569U ng/Kg
SL-116-SA5A-SB-14.0-15.0(RES)	1,2,3,7,8,9-HXCDF	0.274 ng/Kg	0.274U ng/Kg
SL-116-SA5A-SB-14.0-15.0(RES)	2,3,4,6,7,8-HXCDF	1.18 ng/Kg	1.18U ng/Kg
SL-116-SA5A-SB-14.0-15.0(RES)	2,3,7,8-TCDF	0.127 ng/Kg	0.127U ng/Kg
SL-116-SA5A-SB-6.0-7.0(RES)	1,2,3,4,6,7,8-HPCDF	1.62 ng/Kg	1.62U ng/Kg
SL-116-SA5A-SB-6.0-7.0(RES)	1,2,3,4,7,8,9-HPCDF	0.184 ng/Kg	0.184U ng/Kg
SL-116-SA5A-SB-6.0-7.0(RES)	1,2,3,4,7,8-HXCDF	0.432 ng/Kg	0.432U ng/Kg
SL-116-SA5A-SB-6.0-7.0(RES)	1,2,3,6,7,8-HXCDF	0.235 ng/Kg	0.235U ng/Kg
SL-116-SA5A-SB-6.0-7.0(RES)	1,2,3,7,8,9-HXCDD	0.159 ng/Kg	0.159U ng/Kg
SL-116-SA5A-SB-6.0-7.0(RES)	1,2,3,7,8,9-HXCDF	0.160 ng/Kg	0.160U ng/Kg
SL-116-SA5A-SB-6.0-7.0(RES)	1,2,3,7,8-PECDD	0.123 ng/Kg	0.123U ng/Kg
SL-116-SA5A-SB-6.0-7.0(RES)	2,3,4,6,7,8-HXCDF	0.334 ng/Kg	0.334U ng/Kg
SL-116-SA5A-SB-6.0-7.0(RES)	2,3,4,7,8-PECDF	0.327 ng/Kg	0.327U ng/Kg
SL-116-SA5A-SB-6.0-7.0(RES)	2,3,7,8-TCDF	0.0529 ng/Kg	0.0529U ng/Kg
SL-116-SA5A-SB-6.0-7.0(RES)	OCDF	2.09 ng/Kg	2.09U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	1,2,3,4,6,7,8-HPCDD	0.479 ng/Kg	0.479U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	1,2,3,4,6,7,8-HPCDF	0.363 ng/Kg	0.363U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0819 ng/Kg	0.0819U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	1,2,3,4,7,8-HXCDF	0.132 ng/Kg	0.132U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	1,2,3,6,7,8-HXCDD	0.0664 ng/Kg	0.0664U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	1,2,3,6,7,8-HXCDF	0.0692 ng/Kg	0.0692U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	1,2,3,7,8,9-HXCDD	0.103 ng/Kg	0.103U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	1,2,3,7,8,9-HXCDF	0.0953 ng/Kg	0.0953U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	1,2,3,7,8-PECDD	0.0501 ng/Kg	0.0501U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	1,2,3,7,8-PECDF	0.0908 ng/Kg	0.0908U ng/Kg

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Method Blank Outlier Report

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_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-117-SA5A-SB-5.0-6.0(RES)	2,3,4,6,7,8-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	2,3,4,7,8-PECDF	0.133 ng/Kg	0.133U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	2,3,7,8-TCDF	0.0402 ng/Kg	0.0402U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	OCDD	2.99 ng/Kg	2.99U ng/Kg
SL-117-SA5A-SB-5.0-6.0(RES)	OCDF	0.326 ng/Kg	0.326U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	1.55 ng/Kg	1.55U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.502 ng/Kg	0.502U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0852 ng/Kg	0.0852U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.125 ng/Kg	0.125U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDD	0.128 ng/Kg	0.128U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0974 ng/Kg	0.0974U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDD	0.181 ng/Kg	0.181U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.115 ng/Kg	0.115U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.0681 ng/Kg	0.0681U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.0891 ng/Kg	0.0891U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.131 ng/Kg	0.131U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.119 ng/Kg	0.119U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	2,3,7,8-TCDF	0.0265 ng/Kg	0.0265U ng/Kg
SL-118-SA5A-SB-2.5-3.5(RES)	OCDF	0.639 ng/Kg	0.639U ng/Kg
SL-121-SA5A-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.848 ng/Kg	0.848U ng/Kg
SL-121-SA5A-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.186 ng/Kg	0.186U ng/Kg
SL-121-SA5A-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.236 ng/Kg	0.236U ng/Kg
SL-121-SA5A-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDD	0.112 ng/Kg	0.112U ng/Kg
SL-121-SA5A-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.155 ng/Kg	0.155U ng/Kg
SL-121-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDD	0.103 ng/Kg	0.103U ng/Kg
SL-121-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.134 ng/Kg	0.134U ng/Kg
SL-121-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0530 ng/Kg	0.0530U ng/Kg
SL-121-SA5A-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.243 ng/Kg	0.243U ng/Kg
SL-121-SA5A-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.162 ng/Kg	0.162U ng/Kg
SL-121-SA5A-SB-2.0-3.0(RES)	OCDF	1.17 ng/Kg	1.17U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	1.66 ng/Kg	1.66U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.665 ng/Kg	0.665U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.109 ng/Kg	0.109U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.135 ng/Kg	0.135U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDD	0.117 ng/Kg	0.117U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.122 ng/Kg	0.122U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDD	0.109 ng/Kg	0.109U ng/Kg

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

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Method Blank Outlier Report

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_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-132-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0418 ng/Kg	0.0418U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.0658 ng/Kg	0.0658U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.194 ng/Kg	0.194U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.145 ng/Kg	0.145U ng/Kg
SL-132-SA5A-SB-2.0-3.0(RES)	OCDF	0.652 ng/Kg	0.652U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.632 ng/Kg	0.632U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.514 ng/Kg	0.514U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0633 ng/Kg	0.0633U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.216 ng/Kg	0.216U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0501 ng/Kg	0.0501U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0732 ng/Kg	0.0732U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0555 ng/Kg	0.0555U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0529 ng/Kg	0.0529U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0466 ng/Kg	0.0466U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.117 ng/Kg	0.117U ng/Kg
SL-137-SA5A-SB-4.0-5.0(RES)	OCDF	0.451 ng/Kg	0.451U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.18 ng/Kg	1.18U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	1.30 ng/Kg	1.30U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.124 ng/Kg	0.124U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.268 ng/Kg	0.268U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0634 ng/Kg	0.0634U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.173 ng/Kg	0.173U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0604 ng/Kg	0.0604U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0885 ng/Kg	0.0885U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0375 ng/Kg	0.0375U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0639 ng/Kg	0.0639U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.301 ng/Kg	0.301U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.171 ng/Kg	0.171U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0277 ng/Kg	0.0277U ng/Kg
SL-138-SA5A-SB-4.0-5.0(RES)	OCDF	0.891 ng/Kg	0.891U ng/Kg
SL-227-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0917 ng/Kg	0.0917U ng/Kg
SL-227-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.122 ng/Kg	0.122U ng/Kg
SL-227-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.0841 ng/Kg	0.0841U ng/Kg
SL-227-SA5B-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.220 ng/Kg	0.220U ng/Kg

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

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Internal Standard Outlier Report

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB07-SA5A- 031511	13C-1,2,3,4,6,7,8-HpCDF 13C-1,2,3,4,7,8-HxCDF	20 20	28.00-143.00 26.00-152.00	1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8-HxCDF	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-114-SA5A-SB-4.0-5.0	DUP09-SA5A-QC-031111			
MOISTURE	22.8	17.7	25		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-114-SA5A-SB-4.0-5.0	DUP09-SA5A-QC-031111			
OCDD	2.23	2.68	18	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDD	0.375	0.701	61	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,6,7,8-HPCDF	0.0700	0.857	170	50.00	
1,2,3,4,7,8,9-HPCDF	0.0217	0.134	144	50.00	
1,2,3,4,7,8-HxCDD	6.48 U	0.0675	200	50.00	
1,2,3,4,7,8-HxCDF	6.48 U	0.158	200	50.00	
1,2,3,6,7,8-HxCDD	6.48 U	0.0969	200	50.00	
1,2,3,6,7,8-HxCDF	0.0192	0.171	160	50.00	
1,2,3,7,8,9-HxCDD	0.0505	0.151	100	50.00	
1,2,3,7,8,9-HxCDF	6.48 U	0.160	200	50.00	
1,2,3,7,8-PECDD	0.0233	0.0703	100	50.00	
1,2,3,7,8-PECDF	0.0216	0.116	137	50.00	
2,3,4,6,7,8-HxCDF	0.0249	0.291	168	50.00	
2,3,4,7,8-PECDF	0.0453	0.190	123	50.00	
2,3,7,8-TCDD	0.0178	0.0380	72	50.00	
2,3,7,8-TCDF	1.30 U	0.0354	200	50.00	
OCDF	0.134	0.592	126	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB07-SA5A-031511	1,2,3,4,6,7,8-HPCDD	JBQ	3.67	10.1	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	7.92	10.1	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.809	10.1	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	1.52	10.1	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.373	10.1	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JB	0.793	10.1	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.788	10.1	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	0.457	10.1	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	1.49	10.1	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.923	10.1	PQL	pg/L	
	2,3,7,8-TCDD	JQ	0.439	2.03	PQL	pg/L	
	OCDD	JB	6.72	20.3	PQL	pg/L	
	OCDF	JB	4.26	20.3	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP09-SA5A-QC-031111	1,2,3,4,6,7,8-HPCDD	JB	0.701	6.08	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.857	6.08	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.134	6.08	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0675	6.08	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.158	6.08	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.0969	6.08	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.171	6.08	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.151	6.08	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.160	6.08	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0703	6.08	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.116	6.08	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.291	6.08	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.190	6.08	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0380	1.22	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0354	1.22	PQL	ng/Kg	
	OCDD	JB	2.68	12.2	PQL	ng/Kg	
	OCDF	JB	0.592	12.2	PQL	ng/Kg	
SL-001-SA5A-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.424	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.330	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0604	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0350	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0464	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0644	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0644	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0499	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0901	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0378	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0246	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.122	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.115	5.66	PQL	ng/Kg	
	OCDD	JB	3.10	11.3	PQL	ng/Kg	
	OCDF	JB	0.429	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-112-SA5A-SB-14.0-15.0	1,2,3,4,6,7,8-HPCDD	JB	0.871	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.647	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0946	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.121	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0957	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0824	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0720	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0371	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0711	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.172	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.125	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0288	1.13	PQL	ng/Kg	
	OCDD	JB	7.18	11.3	PQL	ng/Kg	
	OCDF	JB	0.500	11.3	PQL	ng/Kg	
SL-112-SA5A-SB-8.5-9.5	1,2,3,4,6,7,8-HPCDD	JB	3.96	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.927	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.109	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0592	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.178	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.145	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.137	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.164	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.112	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.182	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.261	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.261	5.54	PQL	ng/Kg	
	OCDF	JB	1.19	11.1	PQL	ng/Kg	
SL-113-SA5A-SB-14.0-15.0	1,2,3,4,6,7,8-HPCDD	JB	0.669	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.15	5.45	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.163	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.194	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0653	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.170	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0558	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0927	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0616	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.315	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.206	5.45	PQL	ng/Kg	
	OCDD	JB	4.07	10.9	PQL	ng/Kg	
	OCDF	JBQ	0.643	10.9	PQL	ng/Kg	
SL-113-SA5A-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	4.47	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.20	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.160	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0976	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.302	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.158	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.133	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.147	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0616	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.171	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.332	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.255	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0596	1.13	PQL	ng/Kg	
	OCDF	JB	2.09	11.3	PQL	ng/Kg	

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

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Reporting Limit Outliers

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-114-SA5A-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.375	6.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0700	6.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0217	6.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0192	6.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0505	6.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0233	6.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0216	6.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0249	6.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0453	6.48	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0178	1.30	PQL	ng/Kg	
	OCDD	JB	2.23	13.0	PQL	ng/Kg	
	OCDF	JB	0.134	13.0	PQL	ng/Kg	
SL-114-SA5A-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	5.09	6.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.04	6.31	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.134	6.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0294	6.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.176	6.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.101	6.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.138	6.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0795	6.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0974	6.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0431	6.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.349	6.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.192	6.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0420	1.26	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0413	1.26	PQL	ng/Kg	
	OCDF	JB	0.840	12.6	PQL	ng/Kg	
SL-115-SA5A-SB-13.0-14.0	1,2,3,4,6,7,8-HPCDF	JB	1.74	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.265	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.133	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.277	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.337	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.182	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.238	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.172	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.119	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.399	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.262	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.357	5.58	PQL	ng/Kg	
	OCDF	JB	3.61	11.2	PQL	ng/Kg	
SL-115-SA5A-SB-6.5-7.5	1,2,3,4,6,7,8-HPCDF	JB	2.97	5.52	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.397	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.130	5.52	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.584	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.592	5.52	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.300	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.305	5.52	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.118	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0747	5.52	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.611	5.52	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.441	5.52	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.586	5.52	PQL	ng/Kg	
	OCDF	JB	5.62	11.0	PQL	ng/Kg	

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

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Reporting Limit Outliers

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-116-SA5A-SB-14.0-15.0	1,2,3,4,7,8,9-HPCDF	JB	0.877	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.442	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.569	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.67	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.707	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.953	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.274	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.314	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.283	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.18	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.14	5.71	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.127	1.14	PQL	ng/Kg	
SL-116-SA5A-SB-6.0-7.0	1,2,3,4,6,7,8-HPCDF	JB	1.62	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.184	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.104	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.432	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.203	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.235	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.159	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.160	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.123	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.279	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.334	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.327	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0527	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0529	1.12	PQL	ng/Kg	
	OCDF	JB	2.09	11.2	PQL	ng/Kg	
SL-117-SA5A-SB-5.0-6.0	1,2,3,4,6,7,8-HPCDD	JB	0.479	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.363	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0819	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.132	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0664	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0692	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.103	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0953	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0501	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0908	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.120	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.133	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0321	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0402	1.12	PQL	ng/Kg	
	OCDD	JB	2.99	11.2	PQL	ng/Kg	
	OCDF	JB	0.326	11.2	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-118-SA5A-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	1.55	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.502	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0852	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0438	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.125	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.128	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0974	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.181	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.115	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0681	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0891	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.131	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.119	5.51	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0265	1.10	PQL	ng/Kg	
	OCDF	JB	0.639	11.0	PQL	ng/Kg	
SL-121-SA5A-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	4.44	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.848	5.40	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.186	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0853	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.236	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.112	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.155	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.103	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.134	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0530	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.257	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.243	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.162	5.40	PQL	ng/Kg	
	OCDF	JBQ	1.17	10.8	PQL	ng/Kg	
SL-132-SA5A-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	1.66	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.665	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.109	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0281	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	JB	0.117	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.122	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.109	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.111	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0418	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0658	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.194	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.145	5.56	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0325	1.11	PQL	ng/Kg	
	OCDF	JB	0.652	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX062

Laboratory: LL

EDD Filename: DX062_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-137-SA5A-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.632	5.78	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.514	5.78	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0633	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0220	5.78	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.216	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0501	5.78	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0732	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0555	5.78	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0529	5.78	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0466	5.78	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.138	5.78	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.117	5.78	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0273	1.16	PQL	ng/Kg	
	OCDD	JB	5.19	11.6	PQL	ng/Kg	
	OCDF	JB	0.451	11.6	PQL	ng/Kg	
SL-138-SA5A-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.18	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.30	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.124	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0492	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.268	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0634	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.173	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0604	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0885	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0375	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0639	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.301	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.171	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0226	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0277	1.12	PQL	ng/Kg	
	OCDF	JB	0.891	11.2	PQL	ng/Kg	
SL-227-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	4.73	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.482	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0917	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	J	0.309	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.360	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.122	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.427	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.257	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.114	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.151	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0841	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.220	5.70	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0380	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0970	1.14	PQL	ng/Kg	
	OCDF	JB	1.12	11.4	PQL	ng/Kg	