

# Data Qualifier Summary

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> AQ

Sample ID: EB-NBZ-SS-032712      Collected: 3/27/2012 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
OCDD	10.1	JBQ	0.182	MDL	19.9	PQL	pg/L	U	B
OCDF	1.20	JB	0.211	MDL	19.9	PQL	pg/L	U	B

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-038-NBZ-SS-0.0-0.5      Collected: 3/27/2012 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	1.24	JB	0.0488	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.722	JB	0.0789	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.66	J	0.0446	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.57	JB	0.0816	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.63	JB	0.0373	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.41	JB	0.0775	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.426	J	0.0472	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.608	JB	0.0675	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	3.13	JB	0.0560	MDL	6.11	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.37	JB	0.0394	MDL	6.11	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.69	JB	0.0581	MDL	6.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.269	J	0.0591	MDL	1.22	PQL	ng/Kg	J	Z

Sample ID: SL-042-NBZ-SS-0.0-0.5      Collected: 3/26/2012 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	2.35	JB	0.0496	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.03	JB	0.0560	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.22	J	0.0515	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	2.33	JB	0.0511	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	4.23	JB	0.0669	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.903	JB	0.0898	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	4.12	JB	0.0877	MDL	5.87	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-042-NBZ-SS-0.0-0.5	Collected: 3/26/2012 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
2,3,4,6,7,8-HXCDF	3.89	JB	0.0519	MDL	5.87	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	5.48	JB	0.0806	MDL	5.87	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.615	J	0.0918	MDL	1.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.689	JB	0.154	MDL	1.17	PQL	ng/Kg	J	Z

Sample ID: SL-043-NBZ-SS-0.0-0.5	Collected: 3/26/2012 3:35:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.00	JB	0.0276	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.962	JB	0.0169	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0986	JB	0.0258	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.151	JB	0.0269	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.213	J	0.0194	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.411	JB	0.0288	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.189	JB	0.0175	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.505	JB	0.0249	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.138	J	0.0224	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.128	JB	0.0336	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.276	JB	0.0261	MDL	5.39	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.213	JB	0.0196	MDL	5.39	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.563	JB	0.0260	MDL	5.39	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0485	J	0.0316	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.240	JB	0.0549	MDL	1.08	PQL	ng/Kg	U	B
OCDF	1.87	JB	0.0183	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-045-NBZ-SB-4.0-5.0	Collected: 3/26/2012 11:55:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.436	JB	0.0405	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.158	JB	0.0210	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.110	JB	0.0449	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0883	JB	0.0444	MDL	5.23	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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Lab Reporting Batch ID: DX163

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eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

Sample ID: SL-045-NBZ-SB-4.0-5.0      Collected: 3/26/2012 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
1,2,3,4,7,8-HXCDF	0.111	J	0.0345	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.0654	JB	0.0451	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.149	JB	0.0295	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.191	JB	0.0438	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.102	J	0.0420	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.230	JBQ	0.0443	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0503	JBQ	0.0347	MDL	5.23	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0758	JBQ	0.0351	MDL	5.23	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.110	JB	0.0371	MDL	5.23	PQL	ng/Kg	U	B
OCDD	1.87	JB	0.0327	MDL	10.5	PQL	ng/Kg	U	B
OCDF	0.219	JB	0.0398	MDL	10.5	PQL	ng/Kg	U	B

Sample ID: SL-045-NBZ-SS-0.0-0.5      Collected: 3/26/2012 11:41:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.683	JB	0.0372	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.527	JB	0.0625	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.30	J	0.0535	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.09	JB	0.0630	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.22	JB	0.0504	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.33	JB	0.0599	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.494	J	0.0489	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.500	JB	0.0751	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.52	JB	0.0643	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.31	JB	0.0492	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.39	JB	0.0647	MDL	5.43	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.189	J	0.0693	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.890	JB	0.128	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	10.5	JB	0.0282	MDL	10.9	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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<i>Sample ID:</i> SL-046-NBZ-SB-4.0-5.0		<i>Collected:</i> 3/26/2012 10:15:00			<i>Analysis Type:</i> RES			<i>Dilution:</i> 1		
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
1,2,3,4,6,7,8-HPCDD	0.623	JBQ	0.0318	MDL	5.23	PQL	ng/Kg	U	B	
1,2,3,4,6,7,8-HPCDF	0.150	JB	0.0148	MDL	5.23	PQL	ng/Kg	U	B	
1,2,3,4,7,8,9-HPCDF	0.134	JB	0.0301	MDL	5.23	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.0628	JB	0.0266	MDL	5.23	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDF	0.121	J	0.0231	MDL	5.23	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDD	0.0832	JB	0.0280	MDL	5.23	PQL	ng/Kg	U	B	
1,2,3,6,7,8-HxCDF	0.110	JB	0.0189	MDL	5.23	PQL	ng/Kg	U	B	
1,2,3,7,8,9-HxCDD	0.0913	JB	0.0255	MDL	5.23	PQL	ng/Kg	U	B	
1,2,3,7,8,9-HxCDF	0.168	J	0.0249	MDL	5.23	PQL	ng/Kg	J	Z	
1,2,3,7,8-PECDF	0.129	JBQ	0.0290	MDL	5.23	PQL	ng/Kg	U	B	
2,3,4,6,7,8-HxCDF	0.0630	JB	0.0207	MDL	5.23	PQL	ng/Kg	U	B	
2,3,4,7,8-PECDF	0.117	JBQ	0.0299	MDL	5.23	PQL	ng/Kg	U	B	
2,3,7,8-TCDF	0.0641	JB	0.0437	MDL	1.05	PQL	ng/Kg	U	B	
OCDD	2.02	JB	0.0256	MDL	10.5	PQL	ng/Kg	U	B	
OCDF	0.249	JB	0.0325	MDL	10.5	PQL	ng/Kg	U	B	

<i>Sample ID:</i> SL-046-NBZ-SS-0.0-0.5		<i>Collected:</i> 3/26/2012 9:20:00			<i>Analysis Type:</i> RES			<i>Dilution:</i> 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	0.544	JB	0.0416	MDL	5.73	PQL	ng/Kg	J	Z	
1,2,3,4,7,8-HxCDD	0.542	JB	0.0437	MDL	5.73	PQL	ng/Kg	J	Z	
1,2,3,4,7,8-HxCDF	1.42	J	0.0392	MDL	5.73	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDD	1.53	JB	0.0468	MDL	5.73	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDF	1.14	JB	0.0399	MDL	5.73	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDD	1.05	JB	0.0433	MDL	5.73	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDF	0.358	J	0.0446	MDL	5.73	PQL	ng/Kg	J	Z	
1,2,3,7,8-PECDD	0.461	JB	0.0692	MDL	5.73	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDF	5.36	JB	0.0692	MDL	5.73	PQL	ng/Kg	J	Z	
2,3,4,6,7,8-HxCDF	1.10	JB	0.0431	MDL	5.73	PQL	ng/Kg	J	Z	
2,3,4,7,8-PECDF	1.47	JB	0.0662	MDL	5.73	PQL	ng/Kg	J	Z	
2,3,7,8-TCDD	0.0973	J	0.0509	MDL	1.15	PQL	ng/Kg	J	Z	

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

Sample ID: SL-050-NBZ-SS-0.0-0.5	Collected: 3/26/2012 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	4.03	JB	0.0297	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.373	JB	0.0332	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.838	JB	0.0398	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.831	J	0.0342	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.36	JB	0.0413	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.429	JB	0.0320	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.948	JB	0.0384	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.393	J	0.0331	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.355	JB	0.0488	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.09	JB	0.0587	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.542	JB	0.0326	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.51	JB	0.0542	MDL	5.49	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0532	J	0.0396	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	10.9	JB	0.0238	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-078-NBZ-SS-0.0-0.5	Collected: 3/27/2012 9:40:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.83	JB	0.0335	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.494	JB	0.0174	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.144	JB	0.0416	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0815	JB	0.0408	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.276	J	0.0334	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.176	JB	0.0427	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0992	JB	0.0260	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.190	JBQ	0.0384	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.128	JQ	0.0394	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.196	JBQ	0.0433	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.243	JB	0.0351	MDL	5.42	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.160	JB	0.0292	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.323	JB	0.0384	MDL	5.42	PQL	ng/Kg	U	B
OCDF	1.19	JB	0.0525	MDL	10.8	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

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eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-095-NBZ-SS-0.0-0.5      Collected: 3/27/2012 10:17:00      Analysis Type: RES      Dilution: 1

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	1.63	JB	0.0262	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.302	JB	0.0511	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.278	JB	0.0602	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.327	J	0.0487	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.532	JB	0.0652	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.292	JB	0.0392	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.501	JB	0.0553	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.191	J	0.0505	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.218	JB	0.0505	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.405	JB	0.0403	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.241	JB	0.0427	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.370	JB	0.0440	MDL	5.61	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.153	J	0.0556	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.109	JB	0.0701	MDL	1.12	PQL	ng/Kg	U	B
OCDF	3.90	JB	0.0445	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-119-NBZ-SS-0.0-0.5      Collected: 3/27/2012 10:50:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.37	JB	0.0288	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.376	JB	0.0157	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.141	JB	0.0377	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0782	JB	0.0351	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.134	J	0.0300	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.164	JB	0.0345	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.113	JB	0.0241	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.148	JB	0.0313	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0804	J	0.0364	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0484	JBQ	0.0361	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.193	JB	0.0326	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.156	JB	0.0277	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.343	JB	0.0365	MDL	5.73	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-119-NBZ-SS-0.0-0.5			Collected: 3/27/2012 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
2,3,7,8-TCDD	0.0762	J	0.0487	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.112	JB	0.0589	MDL	1.15	PQL	ng/Kg	U	B
OCDD	6.85	JB	0.0293	MDL	11.5	PQL	ng/Kg	J	Z
OCDF	0.685	JB	0.0463	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-123-NBZ-SS-0.0-0.5			Collected: 3/26/2012 2:55:00			Analysis Type: RES		Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.90	JB	0.0389	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.983	JB	0.0194	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.229	JB	0.0470	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.158	JB	0.0544	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.384	J	0.0464	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.515	JB	0.0585	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.252	JB	0.0372	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.589	JB	0.0537	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.305	J	0.0598	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.186	JB	0.0555	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.508	JB	0.0414	MDL	5.87	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.254	JB	0.0430	MDL	5.87	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.727	JB	0.0451	MDL	5.87	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0802	J	0.0664	MDL	1.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.122	JB	0.0693	MDL	1.17	PQL	ng/Kg	U	B
OCDF	2.69	JB	0.0399	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-124-NBZ-SS-0.0-0.5			Collected: 3/26/2012 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	6.26	JB	0.0421	MDL	6.49	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	2.04	JB	0.0263	MDL	6.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.250	JB	0.0529	MDL	6.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.242	JB	0.0673	MDL	6.49	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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<i>Sample ID:</i> SL-124-NBZ-SS-0.0-0.5	<i>Collected:</i> 3/26/2012 10:20:00			<i>Analysis Type:</i> RES			<i>Dilution:</i> 1		
<b>Analyte</b>	<b>Lab Result</b>	<b>Lab Qual</b>	<b>DL</b>	<b>DL Type</b>	<b>RL</b>	<b>RL Type</b>	<b>Units</b>	<b>Data Review Qual</b>	<b>Reason Code</b>
1,2,3,4,7,8-HXCDF	0.265	J	0.0504	MDL	6.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.458	JB	0.0719	MDL	6.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.249	JB	0.0417	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.402	JB	0.0661	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.141	J	0.0619	MDL	6.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.310	JB	0.0645	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.256	JB	0.0416	MDL	6.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.329	JB	0.0492	MDL	6.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.424	JB	0.0429	MDL	6.49	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.118	J	0.0720	MDL	1.30	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.257	JB	0.0716	MDL	1.30	PQL	ng/Kg	U	B
OCDF	5.42	JB	0.0492	MDL	13.0	PQL	ng/Kg	J	Z

<i>Sample ID:</i> SL-126-NBZ-SS-0.0-0.5	<i>Collected:</i> 3/26/2012 11:20:00			<i>Analysis Type:</i> RES			<i>Dilution:</i> 1		
<b>Analyte</b>	<b>Lab Result</b>	<b>Lab Qual</b>	<b>DL</b>	<b>DL Type</b>	<b>RL</b>	<b>RL Type</b>	<b>Units</b>	<b>Data Review Qual</b>	<b>Reason Code</b>
1,2,3,4,6,7,8-HPCDD	5.63	JB	0.0439	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.43	JB	0.0280	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.451	JB	0.0520	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.201	JB	0.0589	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.454	J	0.0519	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.400	JB	0.0623	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.348	JB	0.0429	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.405	JB	0.0518	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.340	J	0.0596	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.334	JB	0.0511	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.462	JB	0.0481	MDL	6.01	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.329	JB	0.0498	MDL	6.01	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.04	JB	0.0499	MDL	6.01	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.364	JB	0.0922	MDL	1.20	PQL	ng/Kg	J	Z
OCDF	2.98	JB	0.0420	MDL	12.0	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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	Collected: 3/27/2012 10:20:00	Analysis Type: RES		Dilution: 1					
Sample ID: SL-130-NBZ-SS-0.0-0.5									
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.70	JB	0.0283	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.561	JB	0.0171	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0762	JB	0.0362	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.192	JB	0.0452	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.266	J	0.0443	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.247	JB	0.0474	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.160	JB	0.0355	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.393	JB	0.0450	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.125	J	0.0552	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0889	JB	0.0387	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.313	JB	0.0318	MDL	5.80	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.285	JB	0.0429	MDL	5.80	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.534	JB	0.0350	MDL	5.80	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.111	J	0.0438	MDL	1.16	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0858	JB	0.0606	MDL	1.16	PQL	ng/Kg	U	B
OCDD	10.2	JB	0.0272	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	1.16	JB	0.0324	MDL	11.6	PQL	ng/Kg	J	Z

	Collected: 3/26/2012 3:15:00	Analysis Type: RES		Dilution: 1					
Sample ID: SL-133-NBZ-SS-0.0-0.5									
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.60	JB	0.0255	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.755	JB	0.0172	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0878	JB	0.0312	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.221	JB	0.0495	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.313	J	0.0366	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.388	JB	0.0521	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.325	JB	0.0312	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.278	JB	0.0446	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0951	J	0.0371	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.137	JB	0.0354	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.381	JB	0.0339	MDL	5.76	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

<b>Sample ID:</b> SL-133-NBZ-SS-0.0-0.5	<b>Collected:</b> 3/26/2012 3:15:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 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	0.303	JB	0.0345	MDL	5.76	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.682	JB	0.0360	MDL	5.76	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0592	J	0.0402	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.353	JB	0.0673	MDL	1.15	PQL	ng/Kg	J	Z
OCDF	1.39	JB	0.0282	MDL	11.5	PQL	ng/Kg	J	Z

<b>Sample ID:</b> SL-195-NBZ-SS-0.0-0.5	<b>Collected:</b> 3/26/2012 3:40:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.49	JB	0.0290	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.660	JB	0.0175	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.125	JB	0.0316	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0923	JB	0.0397	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.138	J	0.0288	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.214	JB	0.0402	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.127	JB	0.0255	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.240	JB	0.0388	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0988	J	0.0345	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.141	JB	0.0369	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.214	JB	0.0291	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.176	JB	0.0292	MDL	5.59	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.295	JB	0.0306	MDL	5.59	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.307	JB	0.0498	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	1.26	JB	0.0373	MDL	11.2	PQL	ng/Kg	J	Z

<b>Sample ID:</b> SL-196-NBZ-SS-0.0-0.5	<b>Collected:</b> 3/26/2012 11:45:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.62	JB	0.0289	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.25	JB	0.0171	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.230	JB	0.0365	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.233	JB	0.0496	MDL	6.01	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

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

Collected: 3/26/2012 11:45:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.366	J	0.0411	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.463	JB	0.0508	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.233	JB	0.0337	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.317	JB	0.0482	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.179	J	0.0460	MDL	6.01	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.123	JB	0.0387	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.468	JB	0.0369	MDL	6.01	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.329	JB	0.0399	MDL	6.01	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.674	JB	0.0391	MDL	6.01	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0857	J	0.0328	MDL	1.20	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.263	JB	0.0643	MDL	1.20	PQL	ng/Kg	U	B
OCDF	2.72	JB	0.0365	MDL	12.0	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

## Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
B	Method Blank Contamination
Z	Reporting Limit Trace Value

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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## **Enclosure I**

### **Level III ADR Outliers (including Manual Review Outliers)**

# Quality Control Outlier Reports

DX163

# Method Blank Outlier Report

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0940B371712	4/4/2012 5:12:00 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	4.80 pg/L 1.46 pg/L 0.326 pg/L 0.221 pg/L 0.403 pg/L 0.438 pg/L 0.161 pg/L 0.508 pg/L 0.364 pg/L 0.176 pg/L 0.356 pg/L 0.605 pg/L 0.269 pg/L 14.6 pg/L 1.40 pg/L	EB-NBZ-SB-032712 EB-NBZ-SS-032712

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB-NBZ-SB-032712(RES)	1,2,3,4,6,7,8-HPCDD	4.39 pg/L	4.39U pg/L
EB-NBZ-SB-032712(RES)	1,2,3,4,6,7,8-HPCDF	1.49 pg/L	1.49U pg/L
EB-NBZ-SB-032712(RES)	1,2,3,4,7,8-HXCDF	0.354 pg/L	0.354U pg/L
EB-NBZ-SB-032712(RES)	1,2,3,6,7,8-HXCDD	0.518 pg/L	0.518U pg/L
EB-NBZ-SB-032712(RES)	1,2,3,6,7,8-HXCDF	0.371 pg/L	0.371U pg/L
EB-NBZ-SB-032712(RES)	1,2,3,7,8,9-HXCDD	0.570 pg/L	0.570U pg/L
EB-NBZ-SB-032712(RES)	1,2,3,7,8,9-HXCDF	0.569 pg/L	0.569U pg/L
EB-NBZ-SB-032712(RES)	1,2,3,7,8-PECDF	0.365 pg/L	0.365U pg/L
EB-NBZ-SB-032712(RES)	2,3,4,6,7,8-HXCDF	0.497 pg/L	0.497U pg/L
EB-NBZ-SB-032712(RES)	2,3,4,7,8-PECDF	0.466 pg/L	0.466U pg/L
EB-NBZ-SB-032712(RES)	2,3,7,8-TCDD	0.218 pg/L	0.218U pg/L
EB-NBZ-SB-032712(RES)	OCDD	10.4 pg/L	10.4U pg/L
EB-NBZ-SB-032712(RES)	OCDF	1.61 pg/L	1.61U pg/L
EB-NBZ-SS-032712(RES)	1,2,3,4,6,7,8-HPCDD	3.61 pg/L	3.61U pg/L
EB-NBZ-SS-032712(RES)	1,2,3,4,6,7,8-HPCDF	1.26 pg/L	1.26U pg/L
EB-NBZ-SS-032712(RES)	1,2,3,4,7,8,9-HPCDF	0.199 pg/L	0.199U pg/L
EB-NBZ-SS-032712(RES)	1,2,3,4,7,8-HxCDD	0.373 pg/L	0.373U pg/L
EB-NBZ-SS-032712(RES)	1,2,3,4,7,8-HXCDF	0.373 pg/L	0.373U pg/L
EB-NBZ-SS-032712(RES)	1,2,3,6,7,8-HXCDD	0.276 pg/L	0.276U pg/L
EB-NBZ-SS-032712(RES)	1,2,3,6,7,8-HXCDF	0.338 pg/L	0.338U pg/L
EB-NBZ-SS-032712(RES)	1,2,3,7,8,9-HXCDD	0.299 pg/L	0.299U pg/L
EB-NBZ-SS-032712(RES)	1,2,3,7,8,9-HXCDF	0.227 pg/L	0.227U pg/L
EB-NBZ-SS-032712(RES)	1,2,3,7,8-PECDF	0.170 pg/L	0.170U pg/L
EB-NBZ-SS-032712(RES)	2,3,4,6,7,8-HXCDF	0.395 pg/L	0.395U pg/L
EB-NBZ-SS-032712(RES)	2,3,4,7,8-PECDF	0.494 pg/L	0.494U pg/L
EB-NBZ-SS-032712(RES)	OCDD	10.1 pg/L	10.1U pg/L
EB-NBZ-SS-032712(RES)	OCDF	1.20 pg/L	1.20U pg/L

# Method Blank Outlier Report

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0960B370337	4/7/2012 3:37:00 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 1,2,3,6,7,8-HXCDD 1,2,3,6,7,8-HXCDF 1,2,3,7,8,9-HXCDD 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDF OCDD OCDF	0.397 ng/Kg 0.105 ng/Kg 0.0395 ng/Kg 0.0698 ng/Kg 0.0770 ng/Kg 0.0628 ng/Kg 0.0905 ng/Kg 0.212 ng/Kg 0.0466 ng/Kg 0.132 ng/Kg 0.0784 ng/Kg 0.0586 ng/Kg 0.624 ng/Kg 0.195 ng/Kg	SL-038-NBZ-SS-0.0-0.5 SL-042-NBZ-SS-0.0-0.5 SL-043-NBZ-SS-0.0-0.5 SL-045-NBZ-SB-4.0-5.0 SL-045-NBZ-SS-0.0-0.5 SL-046-NBZ-SB-4.0-5.0 SL-046-NBZ-SS-0.0-0.5 SL-050-NBZ-SS-0.0-0.5 SL-078-NBZ-SS-0.0-0.5 SL-095-NBZ-SS-0.0-0.5 SL-119-NBZ-SS-0.0-0.5 SL-123-NBZ-SS-0.0-0.5 SL-124-NBZ-SS-0.0-0.5 SL-126-NBZ-SS-0.0-0.5 SL-130-NBZ-SS-0.0-0.5 SL-133-NBZ-SS-0.0-0.5 SL-195-NBZ-SS-0.0-0.5 SL-196-NBZ-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-038-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.608 ng/Kg	0.608U ng/Kg
SL-042-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.903 ng/Kg	0.903U ng/Kg
SL-043-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0986 ng/Kg	0.0986U ng/Kg
SL-043-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.151 ng/Kg	0.151U ng/Kg
SL-043-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.189 ng/Kg	0.189U ng/Kg
SL-043-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.128 ng/Kg	0.128U ng/Kg
SL-043-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.213 ng/Kg	0.213U ng/Kg
SL-043-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.240 ng/Kg	0.240U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.436 ng/Kg	0.436U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.158 ng/Kg	0.158U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.110 ng/Kg	0.110U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0883 ng/Kg	0.0883U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0654 ng/Kg	0.0654U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.149 ng/Kg	0.149U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.191 ng/Kg	0.191U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.230 ng/Kg	0.230U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0503 ng/Kg	0.0503U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0758 ng/Kg	0.0758U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.110 ng/Kg	0.110U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	OCDD	1.87 ng/Kg	1.87U ng/Kg
SL-045-NBZ-SB-4.0-5.0(RES)	OCDF	0.219 ng/Kg	0.219U ng/Kg
SL-045-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.500 ng/Kg	0.500U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.623 ng/Kg	0.623U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.150 ng/Kg	0.150U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.134 ng/Kg	0.134U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0628 ng/Kg	0.0628U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0832 ng/Kg	0.0832U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.110 ng/Kg	0.110U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The following samples and their listed target analytes were qualified due to contamination reported in this blank*

Sample ID	Analyte	Reported Result	Modified Final Result
SL-046-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0913 ng/Kg	0.0913U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.129 ng/Kg	0.129U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0630 ng/Kg	0.0630U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.117 ng/Kg	0.117U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0641 ng/Kg	0.0641U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	OCDD	2.02 ng/Kg	2.02U ng/Kg
SL-046-NBZ-SB-4.0-5.0(RES)	OCDF	0.249 ng/Kg	0.249U ng/Kg
SL-046-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.461 ng/Kg	0.461U ng/Kg
SL-050-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.355 ng/Kg	0.355U ng/Kg
SL-050-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.542 ng/Kg	0.542U ng/Kg
SL-078-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.83 ng/Kg	1.83U ng/Kg
SL-078-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.494 ng/Kg	0.494U ng/Kg
SL-078-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.144 ng/Kg	0.144U ng/Kg
SL-078-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0815 ng/Kg	0.0815U ng/Kg
SL-078-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.176 ng/Kg	0.176U ng/Kg
SL-078-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0992 ng/Kg	0.0992U ng/Kg
SL-078-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.190 ng/Kg	0.190U ng/Kg
SL-078-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.196 ng/Kg	0.196U ng/Kg
SL-078-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.160 ng/Kg	0.160U ng/Kg
SL-078-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.323 ng/Kg	0.323U ng/Kg
SL-095-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.278 ng/Kg	0.278U ng/Kg
SL-095-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.292 ng/Kg	0.292U ng/Kg
SL-095-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.218 ng/Kg	0.218U ng/Kg
SL-095-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.241 ng/Kg	0.241U ng/Kg
SL-095-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.370 ng/Kg	0.370U ng/Kg
SL-095-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.109 ng/Kg	0.109U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.37 ng/Kg	1.37U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.376 ng/Kg	0.376U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.141 ng/Kg	0.141U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0782 ng/Kg	0.0782U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.164 ng/Kg	0.164U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.113 ng/Kg	0.113U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.148 ng/Kg	0.148U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0484 ng/Kg	0.0484U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.193 ng/Kg	0.193U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.156 ng/Kg	0.156U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.343 ng/Kg	0.343U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.112 ng/Kg	0.112U ng/Kg
SL-119-NBZ-SS-0.0-0.5(RES)	OCDF	0.685 ng/Kg	0.685U ng/Kg
SL-123-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.158 ng/Kg	0.158U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-123-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.252 ng/Kg	0.252U ng/Kg
SL-123-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.186 ng/Kg	0.186U ng/Kg
SL-123-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.254 ng/Kg	0.254U ng/Kg
SL-123-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.122 ng/Kg	0.122U ng/Kg
SL-124-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.242 ng/Kg	0.242U ng/Kg
SL-124-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.249 ng/Kg	0.249U ng/Kg
SL-124-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.402 ng/Kg	0.402U ng/Kg
SL-124-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.310 ng/Kg	0.310U ng/Kg
SL-124-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.329 ng/Kg	0.329U ng/Kg
SL-124-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.257 ng/Kg	0.257U ng/Kg
SL-126-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.201 ng/Kg	0.201U ng/Kg
SL-126-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.405 ng/Kg	0.405U ng/Kg
SL-126-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.334 ng/Kg	0.334U ng/Kg
SL-126-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.329 ng/Kg	0.329U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.70 ng/Kg	1.70U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0762 ng/Kg	0.0762U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.192 ng/Kg	0.192U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.247 ng/Kg	0.247U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.160 ng/Kg	0.160U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.393 ng/Kg	0.393U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0889 ng/Kg	0.0889U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.285 ng/Kg	0.285U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0858 ng/Kg	0.0858U ng/Kg
SL-133-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0878 ng/Kg	0.0878U ng/Kg
SL-133-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.221 ng/Kg	0.221U ng/Kg
SL-133-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.278 ng/Kg	0.278U ng/Kg
SL-133-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.137 ng/Kg	0.137U ng/Kg
SL-133-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.303 ng/Kg	0.303U ng/Kg
SL-195-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.125 ng/Kg	0.125U ng/Kg
SL-195-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0923 ng/Kg	0.0923U ng/Kg
SL-195-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.214 ng/Kg	0.214U ng/Kg
SL-195-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.127 ng/Kg	0.127U ng/Kg
SL-195-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.240 ng/Kg	0.240U ng/Kg
SL-195-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.141 ng/Kg	0.141U ng/Kg
SL-195-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.214 ng/Kg	0.214U ng/Kg
SL-195-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SL-195-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.295 ng/Kg	0.295U ng/Kg
SL-196-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.233 ng/Kg	0.233U ng/Kg
SL-196-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.233 ng/Kg	0.233U ng/Kg
SL-196-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.317 ng/Kg	0.317U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

# Method Blank Outlier Report

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-196-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.123 ng/Kg	0.123U ng/Kg
SL-196-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.329 ng/Kg	0.329U ng/Kg
SL-196-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.263 ng/Kg	0.263U ng/Kg

# Reporting Limit Outliers

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-NBZ-SB-032712	1,2,3,4,6,7,8-HPCDD	JBQ	4.39	10.5	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.49	10.5	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.354	10.5	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.518	10.5	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.371	10.5	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.570	10.5	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.569	10.5	PQL	pg/L	
	1,2,3,7,8-PECDD	JQ	0.302	10.5	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.365	10.5	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.497	10.5	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.466	10.5	PQL	pg/L	
	2,3,7,8-TCDD	JBQ	0.218	2.11	PQL	pg/L	
	OCDD	JB	10.4	21.1	PQL	pg/L	
	OCDF	JB	1.61	21.1	PQL	pg/L	
EB-NBZ-SS-032712	1,2,3,4,6,7,8-HPCDD	JB	3.61	9.94	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.26	9.94	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.199	9.94	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.373	9.94	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	0.373	9.94	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JB	0.276	9.94	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.338	9.94	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.299	9.94	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.227	9.94	PQL	pg/L	
	1,2,3,7,8-PECDD	JQ	0.224	9.94	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.170	9.94	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.395	9.94	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.494	9.94	PQL	pg/L	
	2,3,7,8-TCDF	JQ	0.210	1.99	PQL	pg/L	
OCDD	JBQ	10.1	19.9	PQL	pg/L		
OCDF	JB	1.20	19.9	PQL	pg/L		

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-038-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.24	6.11	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.722	6.11	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	J	2.66	6.11	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.57	6.11	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.63	6.11	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.41	6.11	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.426	6.11	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.608	6.11	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	3.13	6.11	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.37	6.11	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.69	6.11	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.269	1.22	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag		
SL-042-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.35	5.87	PQL	ng/Kg	J (all detects)		
	1,2,3,4,7,8-HxCDD	JB	2.03	5.87	PQL	ng/Kg			
	1,2,3,4,7,8-HXCDF	J	2.22	5.87	PQL	ng/Kg			
	1,2,3,6,7,8-HXCDF	JB	2.33	5.87	PQL	ng/Kg			
	1,2,3,7,8,9-HXCDD	JB	4.23	5.87	PQL	ng/Kg			
	1,2,3,7,8-PECDD	JB	0.903	5.87	PQL	ng/Kg			
	1,2,3,7,8-PECDF	JB	4.12	5.87	PQL	ng/Kg			
	2,3,4,6,7,8-HXCDF	JB	3.89	5.87	PQL	ng/Kg			
	2,3,4,7,8-PECDF	JB	5.48	5.87	PQL	ng/Kg			
	2,3,7,8-TCDD	J	0.615	1.17	PQL	ng/Kg			
	2,3,7,8-TCDF	JB	0.689	1.17	PQL	ng/Kg			
	SL-043-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	5.00	5.39	PQL		ng/Kg	J (all detects)
		1,2,3,4,6,7,8-HPCDF	JB	0.962	5.39	PQL		ng/Kg	
1,2,3,4,7,8,9-HPCDF		JB	0.0986	5.39	PQL	ng/Kg			
1,2,3,4,7,8-HxCDD		JB	0.151	5.39	PQL	ng/Kg			
1,2,3,4,7,8-HXCDF		J	0.213	5.39	PQL	ng/Kg			
1,2,3,6,7,8-HXCDD		JB	0.411	5.39	PQL	ng/Kg			
1,2,3,6,7,8-HXCDF		JB	0.189	5.39	PQL	ng/Kg			
1,2,3,7,8,9-HXCDD		JB	0.505	5.39	PQL	ng/Kg			
1,2,3,7,8,9-HXCDF		J	0.138	5.39	PQL	ng/Kg			
1,2,3,7,8-PECDD		JB	0.128	5.39	PQL	ng/Kg			
1,2,3,7,8-PECDF		JB	0.276	5.39	PQL	ng/Kg			
2,3,4,6,7,8-HXCDF		JB	0.213	5.39	PQL	ng/Kg			
2,3,4,7,8-PECDF		JB	0.563	5.39	PQL	ng/Kg			
2,3,7,8-TCDD		J	0.0485	1.08	PQL	ng/Kg			
2,3,7,8-TCDF		JB	0.240	1.08	PQL	ng/Kg			
OCDF	JB	1.87	10.8	PQL	ng/Kg				
SL-045-NBZ-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.436	5.23	PQL	ng/Kg	J (all detects)		
	1,2,3,4,6,7,8-HPCDF	JB	0.158	5.23	PQL	ng/Kg			
	1,2,3,4,7,8,9-HPCDF	JB	0.110	5.23	PQL	ng/Kg			
	1,2,3,4,7,8-HxCDD	JB	0.0883	5.23	PQL	ng/Kg			
	1,2,3,4,7,8-HXCDF	J	0.111	5.23	PQL	ng/Kg			
	1,2,3,6,7,8-HXCDD	JB	0.0654	5.23	PQL	ng/Kg			
	1,2,3,6,7,8-HXCDF	JB	0.149	5.23	PQL	ng/Kg			
	1,2,3,7,8,9-HXCDD	JB	0.191	5.23	PQL	ng/Kg			
	1,2,3,7,8,9-HXCDF	J	0.102	5.23	PQL	ng/Kg			
	1,2,3,7,8-PECDD	JBQ	0.230	5.23	PQL	ng/Kg			
	1,2,3,7,8-PECDF	JBQ	0.0503	5.23	PQL	ng/Kg			
	2,3,4,6,7,8-HXCDF	JBQ	0.0758	5.23	PQL	ng/Kg			
	2,3,4,7,8-PECDF	JB	0.110	5.23	PQL	ng/Kg			
	OCDD	JB	1.87	10.5	PQL	ng/Kg			
	OCDF	JB	0.219	10.5	PQL	ng/Kg			
SL-045-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.683	5.43	PQL	ng/Kg	J (all detects)		
	1,2,3,4,7,8-HxCDD	JB	0.527	5.43	PQL	ng/Kg			
	1,2,3,4,7,8-HXCDF	J	1.30	5.43	PQL	ng/Kg			
	1,2,3,6,7,8-HXCDD	JB	2.09	5.43	PQL	ng/Kg			
	1,2,3,6,7,8-HXCDF	JB	1.22	5.43	PQL	ng/Kg			
	1,2,3,7,8,9-HXCDD	JB	1.33	5.43	PQL	ng/Kg			
	1,2,3,7,8,9-HXCDF	J	0.494	5.43	PQL	ng/Kg			
	1,2,3,7,8-PECDD	JB	0.500	5.43	PQL	ng/Kg			
	1,2,3,7,8-PECDF	JB	1.52	5.43	PQL	ng/Kg			
	2,3,4,6,7,8-HXCDF	JB	1.31	5.43	PQL	ng/Kg			
	2,3,4,7,8-PECDF	JB	1.39	5.43	PQL	ng/Kg			
	2,3,7,8-TCDD	J	0.189	1.09	PQL	ng/Kg			
	2,3,7,8-TCDF	JB	0.890	1.09	PQL	ng/Kg			
	OCDF	JB	10.5	10.9	PQL	ng/Kg			

# Reporting Limit Outliers

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-046-NBZ-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.623	5.23	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.150	5.23	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.134	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0628	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	J	0.121	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0832	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.110	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0913	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.168	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.129	5.23	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0630	5.23	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.117	5.23	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0641	1.05	PQL	ng/Kg	
	OCDD	JB	2.02	10.5	PQL	ng/Kg	
	OCDF	JB	0.249	10.5	PQL	ng/Kg	
SL-046-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.544	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.542	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	J	1.42	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.53	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.14	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.05	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.358	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.461	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	5.36	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.10	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.47	5.73	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0973	1.15	PQL	ng/Kg	
SL-050-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.03	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.373	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.838	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	J	0.831	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.36	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.429	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.948	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.393	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.355	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.09	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.542	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.51	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0532	1.10	PQL	ng/Kg	
	OCDF	JB	10.9	11.0	PQL	ng/Kg	
SL-078-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.83	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.494	5.42	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.144	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0815	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	J	0.276	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.176	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0992	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.190	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JQ	0.128	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.196	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.243	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.160	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.323	5.42	PQL	ng/Kg	
	OCDF	JB	1.19	10.8	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-095-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.63	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.302	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.278	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	J	0.327	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.532	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.292	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.501	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.191	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.218	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.405	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.241	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.370	5.61	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.153	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.109	1.12	PQL	ng/Kg	
	OCDF	JB	3.90	11.2	PQL	ng/Kg	
SL-119-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.37	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.376	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.141	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0782	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	J	0.134	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.164	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.113	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.148	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.0804	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0484	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.193	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.156	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.343	5.73	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0762	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.112	1.15	PQL	ng/Kg	
OCDD	JB	6.85	11.5	PQL	ng/Kg		
OCDF	JB	0.685	11.5	PQL	ng/Kg		
SL-123-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.90	5.87	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.983	5.87	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.229	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.158	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	J	0.384	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.515	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.252	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.589	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	J	0.305	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.186	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.508	5.87	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.254	5.87	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.727	5.87	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0802	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.122	1.17	PQL	ng/Kg	
OCDF	JB	2.69	11.7	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-124-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	6.26	6.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	2.04	6.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.250	6.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.242	6.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	J	0.265	6.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.458	6.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.249	6.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.402	6.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.141	6.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.310	6.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.256	6.49	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.329	6.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.424	6.49	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.118	1.30	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.257	1.30	PQL	ng/Kg	
	OCDF	JB	5.42	13.0	PQL	ng/Kg	
SL-126-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	5.63	6.01	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.43	6.01	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.451	6.01	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.201	6.01	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	J	0.454	6.01	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.400	6.01	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.348	6.01	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.405	6.01	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.340	6.01	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.334	6.01	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.462	6.01	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.329	6.01	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.04	6.01	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.364	1.20	PQL	ng/Kg	
	OCDF	JB	2.98	12.0	PQL	ng/Kg	
	SL-130-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.70	5.80	PQL	
1,2,3,4,6,7,8-HPCDF		JB	0.561	5.80	PQL	ng/Kg	
1,2,3,4,7,8,9-HPCDF		JB	0.0762	5.80	PQL	ng/Kg	
1,2,3,4,7,8-HxCDD		JB	0.192	5.80	PQL	ng/Kg	
1,2,3,4,7,8-HxCDF		J	0.266	5.80	PQL	ng/Kg	
1,2,3,6,7,8-HxCDD		JB	0.247	5.80	PQL	ng/Kg	
1,2,3,6,7,8-HxCDF		JB	0.160	5.80	PQL	ng/Kg	
1,2,3,7,8,9-HxCDD		JB	0.393	5.80	PQL	ng/Kg	
1,2,3,7,8,9-HxCDF		J	0.125	5.80	PQL	ng/Kg	
1,2,3,7,8-PECDD		JB	0.0889	5.80	PQL	ng/Kg	
1,2,3,7,8-PECDF		JB	0.313	5.80	PQL	ng/Kg	
2,3,4,6,7,8-HxCDF		JB	0.285	5.80	PQL	ng/Kg	
2,3,4,7,8-PECDF		JB	0.534	5.80	PQL	ng/Kg	
2,3,7,8-TCDD		J	0.111	1.16	PQL	ng/Kg	
2,3,7,8-TCDF		JB	0.0858	1.16	PQL	ng/Kg	
OCDD		JB	10.2	11.6	PQL	ng/Kg	
OCDF	JB	1.16	11.6	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX163

Laboratory: LL

EDD Filename: DX163\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-133-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.60	5.76	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.755	5.76	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0878	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.221	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	J	0.313	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.388	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.325	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.278	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.0951	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.137	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.381	5.76	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.303	5.76	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.682	5.76	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0592	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.353	1.15	PQL	ng/Kg	
	OCDF	JB	1.39	11.5	PQL	ng/Kg	
	SL-195-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.49	5.59	PQL	
1,2,3,4,6,7,8-HPCDF		JB	0.660	5.59	PQL	ng/Kg	
1,2,3,4,7,8,9-HPCDF		JB	0.125	5.59	PQL	ng/Kg	
1,2,3,4,7,8-HxCDD		JB	0.0923	5.59	PQL	ng/Kg	
1,2,3,4,7,8-HxCDF		J	0.138	5.59	PQL	ng/Kg	
1,2,3,6,7,8-HxCDD		JB	0.214	5.59	PQL	ng/Kg	
1,2,3,6,7,8-HxCDF		JB	0.127	5.59	PQL	ng/Kg	
1,2,3,7,8,9-HxCDD		JB	0.240	5.59	PQL	ng/Kg	
1,2,3,7,8,9-HxCDF		J	0.0988	5.59	PQL	ng/Kg	
1,2,3,7,8-PECDD		JB	0.141	5.59	PQL	ng/Kg	
1,2,3,7,8-PECDF		JB	0.214	5.59	PQL	ng/Kg	
2,3,4,6,7,8-HxCDF		JB	0.176	5.59	PQL	ng/Kg	
2,3,4,7,8-PECDF		JB	0.295	5.59	PQL	ng/Kg	
2,3,7,8-TCDF		JB	0.307	1.12	PQL	ng/Kg	
OCDF	JB	1.26	11.2	PQL	ng/Kg		
SL-196-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	5.62	6.01	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.25	6.01	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.230	6.01	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.233	6.01	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	J	0.366	6.01	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.463	6.01	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.233	6.01	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.317	6.01	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	J	0.179	6.01	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.123	6.01	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.468	6.01	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.329	6.01	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.674	6.01	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0857	1.20	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.263	1.20	PQL	ng/Kg	
OCDF	JB	2.72	12.0	PQL	ng/Kg		

# **SAMPLE DELIVERY GROUP**

**DX164**

# **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-Mar-2012	SL-102-NBZ-SS-0.0-0.5	6599837	N	METHOD	1613B	III
27-Mar-2012	SL-129-NBZ-SS-0.0-0.5	6599839	N	METHOD	1613B	III
27-Mar-2012	SL-109-NBZ-SS-0.0-0.5	6599838	N	METHOD	1613B	III
28-Mar-2012	SL-040-NBZ-SS-0.0-0.5	6599831	N	METHOD	1613B	III
28-Mar-2012	SL-141-NBZ-SS-0.0-0.5	6599843	N	METHOD	1613B	III
28-Mar-2012	SL-096-NBZ-SS-0.0-0.5	6599836	N	METHOD	1613B	III
28-Mar-2012	SL-040-NBZ-SB-2.5-3.5	6599832	N	METHOD	1613B	III
28-Mar-2012	SL-040-NBZ-SB-2.5-3.5 MS	6599833	MS	METHOD	1613B	III
28-Mar-2012	SL-040-NBZ-SB-2.5-3.5 MSD	6599834	MSD	METHOD	1613B	III
28-Mar-2012	DUP-03-NBZ-QC-032812	6599828	FD	METHOD	1613B	III
28-Mar-2012	SL-135-NBZ-SS-0.0-0.5	6599840	N	METHOD	1613B	III
28-Mar-2012	SL-036-NBZ-SB-4.0-5.0	6599826	N	METHOD	1613B	III
28-Mar-2012	SL-036-NBZ-SB-7.5-8.5	6599827	N	METHOD	1613B	III
28-Mar-2012	SL-136-NBZ-SS-0.0-0.5	6599841	N	METHOD	1613B	III
28-Mar-2012	SL-094-NBZ-SS-0.0-0.5	6599835	N	METHOD	1613B	III
28-Mar-2012	SL-039-NBZ-SB-2.0-3.0	6599830	N	METHOD	1613B	III
28-Mar-2012	SL-143-NBZ-SS-0.0-0.5	6599844	N	METHOD	1613B	III
28-Mar-2012	SL-037-NBZ-SB-3.0-4.0	6599829	N	METHOD	1613B	III
28-Mar-2012	SL-139-NBZ-SS-0.0-0.5	6599842	N	METHOD	1613B	III

## **Attachment II**

### **Overall Data Qualification Summary**

# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: DUP-03-NBZ-QC-032812 Collected: 3/28/2012 10:10:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	22.0	B	0.0553	MDL	5.38	PQL	ng/Kg	J	FD
1,2,3,4,6,7,8-HPCDF	4.42	JB	0.0192	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.458	JB	0.0286	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.152	JBQ	0.0491	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.903	JB	0.0258	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.592	JB	0.0508	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.496	JB	0.0256	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.439	JB	0.0504	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0472	JBQ	0.0277	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0348	U	0.0348	MDL	5.38	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDF	1.14	JB	0.0354	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.256	JB	0.0240	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.202	JB	0.0329	MDL	5.38	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0564	U	0.0564	MDL	1.08	PQL	ng/Kg	UJ	FD
2,3,7,8-TCDF	0.276	J	0.0642	MDL	1.08	PQL	ng/Kg	J	Z
OCDD	326	B	0.0380	MDL	10.8	PQL	ng/Kg	J	FD
OCDF	12.0	B	0.0212	MDL	10.8	PQL	ng/Kg	J	FD

Sample ID: SL-036-NBZ-SB-4.0-5.0 Collected: 3/28/2012 11:03:00 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	0.327	JBQ	0.0254	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0690	JB	0.00901	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0436	JBQ	0.0155	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0462	JB	0.0162	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0488	JB	0.0251	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0531	JBQ	0.0146	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0682	JB	0.0252	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0477	JBQ	0.0188	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0359	JBQ	0.0209	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0518	JBQ	0.0152	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0671	JBQ	0.0205	MDL	5.64	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-036-NBZ-SB-4.0-5.0	Collected: 3/28/2012 11:03:00	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	0.0413	JBQ	0.0366	MDL	1.13	PQL	ng/Kg	U	B
OCDD	0.860	JB	0.0202	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.114	JBQ	0.0295	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-036-NBZ-SB-7.5-8.5	Collected: 3/28/2012 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	0.498	JB	0.0283	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0746	JB	0.00904	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0262	JB	0.0150	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0302	JBQ	0.0241	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0499	JBQ	0.0139	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0584	JBQ	0.0255	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0332	JBQ	0.0131	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0607	JBQ	0.0246	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0243	JB	0.0157	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0415	JQ	0.0321	MDL	6.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0264	JBQ	0.0175	MDL	6.32	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0212	JBQ	0.0130	MDL	6.32	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0616	JB	0.0178	MDL	6.32	PQL	ng/Kg	U	B
OCDD	1.20	JB	0.0182	MDL	12.6	PQL	ng/Kg	U	B
OCDF	0.192	JBQ	0.0259	MDL	12.6	PQL	ng/Kg	U	B

Sample ID: SL-037-NBZ-SB-3.0-4.0	Collected: 3/28/2012 3:12:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.388	JBQ	0.0272	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0721	JB	0.0100	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0384	JB	0.0193	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0380	JBQ	0.0238	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.0514	JBQ	0.0146	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0857	JBQ	0.0244	MDL	5.36	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
<b>Sample ID: SL-037-NBZ-SB-3.0-4.0</b> <b>Collected: 3/28/2012 3:12:00</b> <b>Analysis Type: RES</b> <b>Dilution: 1</b>									
Analyte									
1,2,3,6,7,8-HXCDF	0.0244	JBQ	0.0133	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.115	JB	0.0245	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0409	JBQ	0.0173	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0562	J	0.0344	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0512	JBQ	0.0237	MDL	5.36	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0383	JBQ	0.0134	MDL	5.36	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0586	JB	0.0237	MDL	5.36	PQL	ng/Kg	U	B
OCDD	1.37	JB	0.0253	MDL	10.7	PQL	ng/Kg	U	B
OCDF	0.133	JB	0.0339	MDL	10.7	PQL	ng/Kg	U	B

	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
<b>Sample ID: SL-039-NBZ-SB-2.0-3.0</b> <b>Collected: 3/28/2012 2:35:00</b> <b>Analysis Type: RES</b> <b>Dilution: 1</b>									
Analyte									
1,2,3,4,7,8,9-HPCDF	0.625	JB	0.0413	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.243	JB	0.0693	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.38	JB	0.0348	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.970	JB	0.0759	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.732	JB	0.0316	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.19	JB	0.0730	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.330	JB	0.0372	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.248	J	0.0528	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.16	JB	0.0494	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.477	JBQ	0.0308	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.641	JB	0.0466	MDL	5.51	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.687	J	0.0915	MDL	1.10	PQL	ng/Kg	J	Z

	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
<b>Sample ID: SL-040-NBZ-SB-2.5-3.5</b> <b>Collected: 3/28/2012 10:00:00</b> <b>Analysis Type: RES</b> <b>Dilution: 1</b>									
Analyte									
1,2,3,4,6,7,8-HPCDD	7.47	B	0.0456	MDL	5.14	PQL	ng/Kg	J	FD
1,2,3,4,6,7,8-HPCDF	3.91	JB	0.0159	MDL	5.14	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.432	JBQ	0.0283	MDL	5.14	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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<b>Sample ID:</b> SL-040-NBZ-SB-2.5-3.5		<b>Collected:</b> 3/28/2012 10:00:00			<b>Analysis Type:</b> RES			<b>Dilution:</b> 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	0.104	JB	0.0497	MDL	5.14	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDF	1.05	JB	0.0243	MDL	5.14	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDD	0.556	JB	0.0516	MDL	5.14	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDF	0.543	JB	0.0233	MDL	5.14	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDD	0.367	JB	0.0479	MDL	5.14	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDF	0.0474	JBQ	0.0288	MDL	5.14	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDD	0.152	J	0.0334	MDL	5.14	PQL	ng/Kg	J	Z, FD	
1,2,3,7,8-PECDF	0.905	JB	0.0278	MDL	5.14	PQL	ng/Kg	J	Z	
2,3,4,6,7,8-HxCDF	0.221	JB	0.0223	MDL	5.14	PQL	ng/Kg	U	B	
2,3,4,7,8-PECDF	0.242	JB	0.0274	MDL	5.14	PQL	ng/Kg	U	B	
2,3,7,8-TCDD	0.0607	JB	0.0514	MDL	1.03	PQL	ng/Kg	UJ	B, FD	
2,3,7,8-TCDF	0.197	J	0.0450	MDL	1.03	PQL	ng/Kg	J	Z	
OCDD	65.3	B	0.0319	MDL	10.3	PQL	ng/Kg	J	FD	
OCDF	7.14	JB	0.0307	MDL	10.3	PQL	ng/Kg	J	Z, FD	

<b>Sample ID:</b> SL-040-NBZ-SS-0.0-0.5		<b>Collected:</b> 3/28/2012 8:51:00			<b>Analysis Type:</b> RES			<b>Dilution:</b> 1		
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	1.13	JB	0.0136	MDL	5.38	PQL	ng/Kg	J	Z	
1,2,3,4,7,8,9-HPCDF	0.164	JB	0.0263	MDL	5.38	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.157	JB	0.0328	MDL	5.38	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDF	0.334	JB	0.0219	MDL	5.38	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDD	0.394	JB	0.0330	MDL	5.38	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDF	0.216	JB	0.0207	MDL	5.38	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDD	0.365	JB	0.0333	MDL	5.38	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDF	0.147	JB	0.0255	MDL	5.38	PQL	ng/Kg	J	Z	
1,2,3,7,8-PECDD	0.198	J	0.0333	MDL	5.38	PQL	ng/Kg	J	Z	
1,2,3,7,8-PECDF	0.403	JB	0.0285	MDL	5.38	PQL	ng/Kg	J	Z	
2,3,4,6,7,8-HxCDF	0.194	JB	0.0216	MDL	5.38	PQL	ng/Kg	U	B	
2,3,4,7,8-PECDF	0.253	JB	0.0274	MDL	5.38	PQL	ng/Kg	U	B	
2,3,7,8-TCDD	0.116	JB	0.0507	MDL	1.08	PQL	ng/Kg	U	B	
2,3,7,8-TCDF	0.169	J	0.0488	MDL	1.08	PQL	ng/Kg	J	Z	

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA			
<b>Method:</b>	1613B	<b>Matrix:</b>	SO	

<b>Sample ID:</b> SL-040-NBZ-SS-0.0-0.5			<b>Collected:</b> 3/28/2012 8:51:00			<b>Analysis Type:</b> RES			<b>Dilution:</b> 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
OCDF	2.37	JB	0.0263	MDL	10.8	PQL	ng/Kg	J	Z	

<b>Sample ID:</b> SL-094-NBZ-SS-0.0-0.5			<b>Collected:</b> 3/28/2012 2:20:00			<b>Analysis Type:</b> RES			<b>Dilution:</b> 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
1,2,3,4,6,7,8-HPCDD	2.75	JB	0.0259	MDL	5.48	PQL	ng/Kg	J	Z	
1,2,3,4,6,7,8-HPCDF	0.624	JB	0.0122	MDL	5.48	PQL	ng/Kg	J	Z	
1,2,3,4,7,8,9-HPCDF	0.220	JB	0.0239	MDL	5.48	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.207	JB	0.0291	MDL	5.48	PQL	ng/Kg	J	Z	
1,2,3,4,7,8-HxCDF	0.278	JB	0.0192	MDL	5.48	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDD	0.356	JB	0.0320	MDL	5.48	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDF	0.208	JB	0.0166	MDL	5.48	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDD	0.495	JB	0.0299	MDL	5.48	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDF	0.312	JB	0.0227	MDL	5.48	PQL	ng/Kg	J	Z	
1,2,3,7,8-PECDD	0.244	J	0.0358	MDL	5.48	PQL	ng/Kg	J	Z	
1,2,3,7,8-PECDF	0.317	JB	0.0232	MDL	5.48	PQL	ng/Kg	J	Z	
2,3,4,6,7,8-HxCDF	0.239	JBQ	0.0169	MDL	5.48	PQL	ng/Kg	U	B	
2,3,4,7,8-PECDF	0.339	JB	0.0231	MDL	5.48	PQL	ng/Kg	J	Z	
2,3,7,8-TCDD	0.0761	JB	0.0460	MDL	1.10	PQL	ng/Kg	U	B	
2,3,7,8-TCDF	0.155	J	0.0371	MDL	1.10	PQL	ng/Kg	J	Z	
OCDF	1.17	JB	0.0282	MDL	11.0	PQL	ng/Kg	J	Z	

<b>Sample ID:</b> SL-096-NBZ-SS-0.0-0.5			<b>Collected:</b> 3/28/2012 9:45:00			<b>Analysis Type:</b> RES			<b>Dilution:</b> 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
1,2,3,4,6,7,8-HPCDD	3.65	JB	0.0265	MDL	5.66	PQL	ng/Kg	J	Z	
1,2,3,4,6,7,8-HPCDF	0.852	JB	0.0171	MDL	5.66	PQL	ng/Kg	J	Z	
1,2,3,4,7,8,9-HPCDF	0.131	JBQ	0.0290	MDL	5.66	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.123	JBQ	0.0326	MDL	5.66	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDF	0.251	JB	0.0217	MDL	5.66	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDD	0.305	JB	0.0324	MDL	5.66	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDF	0.206	JB	0.0214	MDL	5.66	PQL	ng/Kg	J	Z	

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

Sample ID: SL-096-NBZ-SS-0.0-0.5	Collected: 3/28/2012 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
1,2,3,7,8,9-HXCDD	0.389	JB	0.0340	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.124	JB	0.0247	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.169	JQ	0.0364	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.395	JBQ	0.0402	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.235	JBQ	0.0210	MDL	5.66	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.230	JB	0.0348	MDL	5.66	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0400	JBQ	0.0382	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.281	J	0.0648	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	1.57	JB	0.0263	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-102-NBZ-SS-0.0-0.5	Collected: 3/27/2012 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	2.11	JB	0.0264	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.432	JB	0.0135	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0918	JB	0.0269	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0667	JB	0.0267	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.106	JBQ	0.0202	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.358	JB	0.0275	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0905	JBQ	0.0185	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.343	JB	0.0281	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.130	JB	0.0249	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0370	J	0.0335	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.194	JB	0.0235	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0741	JBQ	0.0182	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.150	JBQ	0.0245	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.101	J	0.0371	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	0.844	JB	0.0289	MDL	11.0	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-109-NBZ-SS-0.0-0.5 Collected: 3/27/2012 2:55:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.604	JB	0.0442	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.186	JB	0.0397	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.325	JB	0.0297	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.51	JB	0.0430	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.230	JB	0.0268	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.569	JB	0.0401	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.253	JB	0.0345	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.114	JQ	0.0365	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.549	JBQ	0.0278	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.294	JB	0.0264	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.195	JB	0.0267	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.152	J	0.0427	MDL	1.13	PQL	ng/Kg	J	Z

Sample ID: SL-129-NBZ-SS-0.0-0.5 Collected: 3/27/2012 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
1,2,3,4,7,8,9-HPCDF	0.665	JB	0.0400	MDL	6.03	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.21	JB	0.0518	MDL	6.03	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.43	JB	0.0361	MDL	6.03	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.745	JB	0.0338	MDL	6.03	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	5.38	JB	0.0519	MDL	6.03	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.465	JB	0.0412	MDL	6.03	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.730	J	0.0740	MDL	6.03	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.03	JB	0.0564	MDL	6.03	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.955	JB	0.0345	MDL	6.03	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.14	JB	0.0525	MDL	6.03	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0403	JBQ	0.0400	MDL	1.21	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.909	J	0.0919	MDL	1.21	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b> SVOA	
<b>Method:</b> 1613B	<b>Matrix:</b> SO

Sample ID: SL-135-NBZ-SS-0.0-0.5	Collected: 3/28/2012 10:50:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.66	JB	0.0259	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.438	JB	0.0138	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0730	JB	0.0224	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0659	JB	0.0253	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.160	JB	0.0239	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.212	JB	0.0261	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.122	JB	0.0230	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.235	JB	0.0260	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0733	JB	0.0263	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0977	J	0.0360	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.241	JB	0.0360	MDL	5.65	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.141	JB	0.0216	MDL	5.65	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0778	JB	0.0350	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0951	J	0.0588	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	0.843	JB	0.0229	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-136-NBZ-SS-0.0-0.5	Collected: 3/28/2012 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	1.29	JB	0.0200	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.321	JB	0.0104	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0678	JBQ	0.0142	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0789	JBQ	0.0192	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.130	JB	0.0164	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.230	JB	0.0210	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.151	JB	0.0163	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.244	JB	0.0192	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0614	JB	0.0170	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.119	JQ	0.0241	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.152	JB	0.0229	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.124	JBQ	0.0140	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.333	JB	0.0217	MDL	5.40	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

<b>Sample ID:</b> SL-136-NBZ-SS-0.0-0.5			<b>Collected:</b> 3/28/2012 1:45:00			<b>Analysis Type:</b> RES		<b>Dilution:</b> 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.0374	JBQ	0.0252	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.139	JQ	0.0346	MDL	1.08	PQL	ng/Kg	J	Z
OCDD	5.97	JB	0.0129	MDL	10.8	PQL	ng/Kg	J	Z
OCDF	0.435	JB	0.0150	MDL	10.8	PQL	ng/Kg	U	B

<b>Sample ID:</b> SL-139-NBZ-SS-0.0-0.5			<b>Collected:</b> 3/28/2012 3:15:00			<b>Analysis Type:</b> RES		<b>Dilution:</b> 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.84	JB	0.0375	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.18	JB	0.0232	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.126	JB	0.0322	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.211	JB	0.0381	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.390	JB	0.0297	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.520	JB	0.0383	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.362	JB	0.0298	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.533	JB	0.0399	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.127	JB	0.0302	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.231	JQ	0.0476	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.02	JB	0.0441	MDL	5.91	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.338	JB	0.0265	MDL	5.91	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.590	JB	0.0424	MDL	5.91	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0560	JBQ	0.0392	MDL	1.18	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.615	J	0.0830	MDL	1.18	PQL	ng/Kg	J	Z
OCDF	2.29	JB	0.0235	MDL	11.8	PQL	ng/Kg	J	Z

<b>Sample ID:</b> SL-141-NBZ-SS-0.0-0.5			<b>Collected:</b> 3/28/2012 9:15:00			<b>Analysis Type:</b> RES		<b>Dilution:</b> 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.12	JB	0.0243	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.532	JB	0.0147	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0948	JBQ	0.0207	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0905	JBQ	0.0267	MDL	5.62	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-141-NBZ-SS-0.0-0.5	Collected: 3/28/2012 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	0.167	JB	0.0213	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.193	JB	0.0267	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.163	JB	0.0222	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.176	JB	0.0267	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.132	JBQ	0.0242	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0734	JQ	0.0325	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.238	JB	0.0356	MDL	5.62	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.183	JBQ	0.0209	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.119	JB	0.0323	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0612	JB	0.0318	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.179	J	0.0567	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	1.00	JB	0.0196	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-143-NBZ-SS-0.0-0.5	Collected: 3/28/2012 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	0.894	JB	0.0207	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.229	JB	0.0125	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0557	JB	0.0168	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0501	JBQ	0.0237	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0989	JB	0.0168	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.231	JBQ	0.0245	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0611	JBQ	0.0159	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.277	JBQ	0.0233	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.128	JBQ	0.0164	MDL	5.24	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0367	JQ	0.0271	MDL	5.24	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.100	JBQ	0.0214	MDL	5.24	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0715	JBQ	0.0147	MDL	5.24	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.142	JBQ	0.0211	MDL	5.24	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0604	JBQ	0.0265	MDL	1.05	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0511	JQ	0.0343	MDL	1.05	PQL	ng/Kg	J	Z
OCDD	6.73	JB	0.0163	MDL	10.5	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

**Sample ID:** SL-143-NBZ-SS-0.0-0.5 **Collected:** 3/28/2012 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
OCDF	0.403	JBQ	0.0196	MDL	10.5	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

## Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
B	Method Blank Contamination
FD	Field Duplicate Precision
Z	Reporting Limit Trace Value

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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## **Enclosure I**

### **Level III ADR Outliers (including Manual Review Outliers)**

# Quality Control Outlier Reports

DX164

# Method Blank Outlier Report

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0970B371831	4/9/2012 6:31:00 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-PECDF 2,3,4,6,7,8-HXCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	0.325 ng/Kg 0.0852 ng/Kg 0.0714 ng/Kg 0.0341 ng/Kg 0.0368 ng/Kg 0.0590 ng/Kg 0.0359 ng/Kg 0.0673 ng/Kg 0.0266 ng/Kg 0.0426 ng/Kg 0.0494 ng/Kg 0.0632 ng/Kg 0.0465 ng/Kg 0.480 ng/Kg 0.161 ng/Kg	DUP-03-NBZ-QC-032812 SL-036-NBZ-SB-4.0-5.0 SL-036-NBZ-SB-7.5-8.5 SL-037-NBZ-SB-3.0-4.0 SL-039-NBZ-SB-2.0-3.0 SL-040-NBZ-SB-2.5-3.5 SL-040-NBZ-SS-0.0-0.5 SL-094-NBZ-SS-0.0-0.5 SL-096-NBZ-SS-0.0-0.5 SL-102-NBZ-SS-0.0-0.5 SL-109-NBZ-SS-0.0-0.5 SL-129-NBZ-SS-0.0-0.5 SL-135-NBZ-SS-0.0-0.5 SL-136-NBZ-SS-0.0-0.5 SL-139-NBZ-SS-0.0-0.5 SL-141-NBZ-SS-0.0-0.5 SL-143-NBZ-SS-0.0-0.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP-03-NBZ-QC-032812(RES)	1,2,3,4,7,8-HxCDD	0.152 ng/Kg	0.152U ng/Kg
DUP-03-NBZ-QC-032812(RES)	1,2,3,7,8,9-HXCDF	0.0472 ng/Kg	0.0472U ng/Kg
DUP-03-NBZ-QC-032812(RES)	2,3,4,7,8-PECDF	0.202 ng/Kg	0.202U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.327 ng/Kg	0.327U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0690 ng/Kg	0.0690U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0436 ng/Kg	0.0436U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0462 ng/Kg	0.0462U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0488 ng/Kg	0.0488U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0531 ng/Kg	0.0531U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0682 ng/Kg	0.0682U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0477 ng/Kg	0.0477U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0359 ng/Kg	0.0359U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0518 ng/Kg	0.0518U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0671 ng/Kg	0.0671U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0413 ng/Kg	0.0413U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	OCDD	0.860 ng/Kg	0.860U ng/Kg
SL-036-NBZ-SB-4.0-5.0(RES)	OCDF	0.114 ng/Kg	0.114U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDD	0.498 ng/Kg	0.498U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0746 ng/Kg	0.0746U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0262 ng/Kg	0.0262U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	1,2,3,4,7,8-HxCDD	0.0302 ng/Kg	0.0302U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	1,2,3,4,7,8-HXCDF	0.0499 ng/Kg	0.0499U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	1,2,3,6,7,8-HXCDD	0.0584 ng/Kg	0.0584U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	1,2,3,6,7,8-HXCDF	0.0332 ng/Kg	0.0332U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDD	0.0607 ng/Kg	0.0607U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	1,2,3,7,8,9-HXCDF	0.0243 ng/Kg	0.0243U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-036-NBZ-SB-7.5-8.5(RES)	1,2,3,7,8-PECDF	0.0264 ng/Kg	0.0264U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	2,3,4,6,7,8-HXCDF	0.0212 ng/Kg	0.0212U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	2,3,4,7,8-PECDF	0.0616 ng/Kg	0.0616U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	OCDD	1.20 ng/Kg	1.20U ng/Kg
SL-036-NBZ-SB-7.5-8.5(RES)	OCDF	0.192 ng/Kg	0.192U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.388 ng/Kg	0.388U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0721 ng/Kg	0.0721U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0384 ng/Kg	0.0384U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	1,2,3,4,7,8-HxCDD	0.0380 ng/Kg	0.0380U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0514 ng/Kg	0.0514U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDD	0.0857 ng/Kg	0.0857U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0244 ng/Kg	0.0244U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDD	0.115 ng/Kg	0.115U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0409 ng/Kg	0.0409U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	1,2,3,7,8-PECDF	0.0512 ng/Kg	0.0512U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0383 ng/Kg	0.0383U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	2,3,4,7,8-PECDF	0.0586 ng/Kg	0.0586U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	OCDD	1.37 ng/Kg	1.37U ng/Kg
SL-037-NBZ-SB-3.0-4.0(RES)	OCDF	0.133 ng/Kg	0.133U ng/Kg
SL-040-NBZ-SB-2.5-3.5(RES)	1,2,3,4,7,8-HxCDD	0.104 ng/Kg	0.104U ng/Kg
SL-040-NBZ-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.0474 ng/Kg	0.0474U ng/Kg
SL-040-NBZ-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.221 ng/Kg	0.221U ng/Kg
SL-040-NBZ-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.242 ng/Kg	0.242U ng/Kg
SL-040-NBZ-SB-2.5-3.5(RES)	2,3,7,8-TCDD	0.0607 ng/Kg	0.0607U ng/Kg
SL-040-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.164 ng/Kg	0.164U ng/Kg
SL-040-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.157 ng/Kg	0.157U ng/Kg
SL-040-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.194 ng/Kg	0.194U ng/Kg
SL-040-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.253 ng/Kg	0.253U ng/Kg
SL-040-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.116 ng/Kg	0.116U ng/Kg
SL-094-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.220 ng/Kg	0.220U ng/Kg
SL-094-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.239 ng/Kg	0.239U ng/Kg
SL-094-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0761 ng/Kg	0.0761U ng/Kg
SL-096-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.131 ng/Kg	0.131U ng/Kg
SL-096-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.123 ng/Kg	0.123U ng/Kg
SL-096-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.124 ng/Kg	0.124U ng/Kg
SL-096-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.235 ng/Kg	0.235U ng/Kg
SL-096-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.230 ng/Kg	0.230U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method: 1613B**  
**Matrix: SO**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0400 ng/Kg	0.0400U ng/Kg
SL-102-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0918 ng/Kg	0.0918U ng/Kg
SL-102-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0667 ng/Kg	0.0667U ng/Kg
SL-102-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.106 ng/Kg	0.106U ng/Kg
SL-102-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0905 ng/Kg	0.0905U ng/Kg
SL-102-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.130 ng/Kg	0.130U ng/Kg
SL-102-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.194 ng/Kg	0.194U ng/Kg
SL-102-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0741 ng/Kg	0.0741U ng/Kg
SL-102-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.150 ng/Kg	0.150U ng/Kg
SL-109-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.195 ng/Kg	0.195U ng/Kg
SL-129-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0403 ng/Kg	0.0403U ng/Kg
SL-135-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0730 ng/Kg	0.0730U ng/Kg
SL-135-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0659 ng/Kg	0.0659U ng/Kg
SL-135-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.160 ng/Kg	0.160U ng/Kg
SL-135-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.212 ng/Kg	0.212U ng/Kg
SL-135-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.122 ng/Kg	0.122U ng/Kg
SL-135-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.235 ng/Kg	0.235U ng/Kg
SL-135-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0733 ng/Kg	0.0733U ng/Kg
SL-135-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.141 ng/Kg	0.141U ng/Kg
SL-135-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0778 ng/Kg	0.0778U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.29 ng/Kg	1.29U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.321 ng/Kg	0.321U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0678 ng/Kg	0.0678U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0789 ng/Kg	0.0789U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.130 ng/Kg	0.130U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.230 ng/Kg	0.230U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.151 ng/Kg	0.151U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.244 ng/Kg	0.244U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0614 ng/Kg	0.0614U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.152 ng/Kg	0.152U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.124 ng/Kg	0.124U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0374 ng/Kg	0.0374U ng/Kg
SL-136-NBZ-SS-0.0-0.5(RES)	OCDF	0.435 ng/Kg	0.435U ng/Kg
SL-139-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.126 ng/Kg	0.126U ng/Kg
SL-139-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.127 ng/Kg	0.127U ng/Kg
SL-139-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0560 ng/Kg	0.0560U ng/Kg
SL-141-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0948 ng/Kg	0.0948U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-141-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0905 ng/Kg	0.0905U ng/Kg
SL-141-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.167 ng/Kg	0.167U ng/Kg
SL-141-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDD	0.193 ng/Kg	0.193U ng/Kg
SL-141-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.163 ng/Kg	0.163U ng/Kg
SL-141-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDD	0.176 ng/Kg	0.176U ng/Kg
SL-141-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.132 ng/Kg	0.132U ng/Kg
SL-141-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.183 ng/Kg	0.183U ng/Kg
SL-141-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PCDF	0.119 ng/Kg	0.119U ng/Kg
SL-141-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0612 ng/Kg	0.0612U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	0.894 ng/Kg	0.894U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.229 ng/Kg	0.229U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0557 ng/Kg	0.0557U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0501 ng/Kg	0.0501U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.0989 ng/Kg	0.0989U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDD	0.231 ng/Kg	0.231U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.0611 ng/Kg	0.0611U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDD	0.277 ng/Kg	0.277U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.128 ng/Kg	0.128U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PCDF	0.100 ng/Kg	0.100U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.0715 ng/Kg	0.0715U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PCDF	0.142 ng/Kg	0.142U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0604 ng/Kg	0.0604U ng/Kg
SL-143-NBZ-SS-0.0-0.5(RES)	OCDF	0.403 ng/Kg	0.403U ng/Kg

# Field Duplicate RPD Report

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 160.3M

**Matrix:** SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-040-NBZ-SB-2.5-3.5	DUP-03-NBZ-QC-032812			
MOISTURE	4.0	8.1	68		No Qualifiers Applied

**Method:** 1613B

**Matrix:** SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-040-NBZ-SB-2.5-3.5	DUP-03-NBZ-QC-032812			
1,2,3,4,6,7,8-HPCDF	3.91	4.42	12	50.00	No Qualifiers Applied
1,2,3,4,7,8,9-HPCDF	0.432	0.458	6	50.00	
1,2,3,4,7,8-HxCDD	0.104	0.152	38	50.00	
1,2,3,4,7,8-HxCDF	1.05	0.903	15	50.00	
1,2,3,6,7,8-HxCDD	0.556	0.592	6	50.00	
1,2,3,6,7,8-HxCDF	0.543	0.496	9	50.00	
1,2,3,7,8,9-HxCDD	0.367	0.439	18	50.00	
1,2,3,7,8,9-HxCDF	0.0474	0.0472	0	50.00	
1,2,3,7,8-PECDF	0.905	1.14	23	50.00	
2,3,4,6,7,8-HxCDF	0.221	0.256	15	50.00	
2,3,4,7,8-PECDF	0.242	0.202	18	50.00	
2,3,7,8-TCDF	0.197	0.276	33	50.00	
1,2,3,4,6,7,8-HPCDD	7.47	22.0	99	50.00	
1,2,3,7,8-PECDD	0.152	5.38 U	200	50.00	
2,3,7,8-TCDD	0.0607	1.08 U	200	50.00	
OCDD	65.3	326	133	50.00	
OCDF	7.14	12.0	51	50.00	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-03-NBZ-QC-032812	1,2,3,4,6,7,8-HPCDF	JB	4.42	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.458	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.152	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.903	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.592	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.496	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.439	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0472	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.14	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.256	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.202	5.38	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.276	1.08	PQL	ng/Kg	
	SL-036-NBZ-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.327	5.64	PQL	
1,2,3,4,6,7,8-HPCDF		JB	0.0690	5.64	PQL	ng/Kg	
1,2,3,4,7,8,9-HPCDF		JBQ	0.0436	5.64	PQL	ng/Kg	
1,2,3,4,7,8-HXCDF		JB	0.0462	5.64	PQL	ng/Kg	
1,2,3,6,7,8-HxCDD		JB	0.0488	5.64	PQL	ng/Kg	
1,2,3,6,7,8-HXCDF		JBQ	0.0531	5.64	PQL	ng/Kg	
1,2,3,7,8,9-HxCDD		JB	0.0682	5.64	PQL	ng/Kg	
1,2,3,7,8,9-HXCDF		JBQ	0.0477	5.64	PQL	ng/Kg	
1,2,3,7,8-PECDF		JBQ	0.0359	5.64	PQL	ng/Kg	
2,3,4,6,7,8-HXCDF		JBQ	0.0518	5.64	PQL	ng/Kg	
2,3,4,7,8-PECDF		JBQ	0.0671	5.64	PQL	ng/Kg	
2,3,7,8-TCDD		JBQ	0.0413	1.13	PQL	ng/Kg	
OCDD		JB	0.860	11.3	PQL	ng/Kg	
OCDF	JBQ	0.114	11.3	PQL	ng/Kg		
SL-036-NBZ-SB-7.5-8.5	1,2,3,4,6,7,8-HPCDD	JB	0.498	6.32	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0746	6.32	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0262	6.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0302	6.32	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0499	6.32	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0584	6.32	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0332	6.32	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0607	6.32	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0243	6.32	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0415	6.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0264	6.32	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0212	6.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0616	6.32	PQL	ng/Kg	
	OCDD	JB	1.20	12.6	PQL	ng/Kg	
	OCDF	JBQ	0.192	12.6	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-037-NBZ-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.388	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0721	5.36	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0384	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0380	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0514	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0857	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0244	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.115	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0409	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0562	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0512	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0383	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0586	5.36	PQL	ng/Kg	
	OCDD	JB	1.37	10.7	PQL	ng/Kg	
	OCDF	JB	0.133	10.7	PQL	ng/Kg	
	SL-039-NBZ-SB-2.0-3.0	1,2,3,4,7,8,9-HPCDF	JB	0.625	5.51	PQL	
1,2,3,4,7,8-HxCDD		JB	0.243	5.51	PQL	ng/Kg	
1,2,3,4,7,8-HxCDF		JB	1.38	5.51	PQL	ng/Kg	
1,2,3,6,7,8-HxCDD		JB	0.970	5.51	PQL	ng/Kg	
1,2,3,6,7,8-HxCDF		JB	0.732	5.51	PQL	ng/Kg	
1,2,3,7,8,9-HxCDD		JB	1.19	5.51	PQL	ng/Kg	
1,2,3,7,8,9-HxCDF		JB	0.330	5.51	PQL	ng/Kg	
1,2,3,7,8-PECDD		J	0.248	5.51	PQL	ng/Kg	
1,2,3,7,8-PECDF		JB	1.16	5.51	PQL	ng/Kg	
2,3,4,6,7,8-HxCDF		JBQ	0.477	5.51	PQL	ng/Kg	
2,3,4,7,8-PECDF		JB	0.641	5.51	PQL	ng/Kg	
2,3,7,8-TCDF		J	0.687	1.10	PQL	ng/Kg	
SL-040-NBZ-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDF	JB	3.91	5.14	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.432	5.14	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.104	5.14	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.05	5.14	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.556	5.14	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.543	5.14	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.367	5.14	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0474	5.14	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.152	5.14	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.905	5.14	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.221	5.14	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.242	5.14	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0607	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.197	1.03	PQL	ng/Kg	
	OCDF	JB	7.14	10.3	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-040-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.13	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.164	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.157	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.334	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.394	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.216	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.365	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.147	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.198	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.403	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.194	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.253	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.116	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.169	1.08	PQL	ng/Kg	
	OCDF	JB	2.37	10.8	PQL	ng/Kg	
SL-094-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.75	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.624	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.220	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.207	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.278	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.356	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.208	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.495	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.312	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.244	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.317	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.239	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.339	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0761	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.155	1.10	PQL	ng/Kg	
OCDF	JB	1.17	11.0	PQL	ng/Kg		
SL-096-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.65	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.852	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.131	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.123	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.251	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.305	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.206	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.389	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.124	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.169	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.395	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.235	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.230	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0400	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.281	1.13	PQL	ng/Kg	
OCDF	JB	1.57	11.3	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-102-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.11	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.432	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0918	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0667	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.106	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.358	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0905	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.343	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.130	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0370	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.194	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0741	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.150	5.51	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.101	1.10	PQL	ng/Kg	
	OCDF	JB	0.844	11.0	PQL	ng/Kg	
SL-109-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.604	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.186	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.325	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.51	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.230	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.569	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.253	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.114	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.549	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.294	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.195	5.64	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.152	1.13	PQL	ng/Kg	
SL-129-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.665	6.03	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.21	6.03	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.43	6.03	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.745	6.03	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	5.38	6.03	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.465	6.03	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.730	6.03	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.03	6.03	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.955	6.03	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.14	6.03	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0403	1.21	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.909	1.21	PQL	ng/Kg	
SL-135-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.66	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.438	5.65	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0730	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0659	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.160	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.212	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.122	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.235	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0733	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0977	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.241	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.141	5.65	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0778	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0951	1.13	PQL	ng/Kg	
	OCDF	JB	0.843	11.3	PQL	ng/Kg	

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Reporting Limit Outliers

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-136-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.29	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.321	5.40	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0678	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0789	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.130	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.230	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.151	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.244	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0614	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.119	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.152	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.124	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.333	5.40	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0374	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.139	1.08	PQL	ng/Kg	
	OCDD	JB	5.97	10.8	PQL	ng/Kg	
	OCDF	JB	0.435	10.8	PQL	ng/Kg	
SL-139-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	5.84	5.91	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.18	5.91	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.126	5.91	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.211	5.91	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.390	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.520	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.362	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.533	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.127	5.91	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.231	5.91	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.02	5.91	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.338	5.91	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.590	5.91	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0560	1.18	PQL	ng/Kg	
2,3,7,8-TCDF	J	0.615	1.18	PQL	ng/Kg		
OCDF	JB	2.29	11.8	PQL	ng/Kg		
SL-141-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.12	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.532	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0948	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0905	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.167	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.193	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.163	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.176	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.132	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0734	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.238	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.183	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.119	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0612	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.179	1.12	PQL	ng/Kg	
	OCDF	JB	1.00	11.2	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX164

Laboratory: LL

EDD Filename: DX164\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-143-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	0.894	5.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.229	5.24	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0557	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0501	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0989	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.231	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0611	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.277	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.128	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0367	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.100	5.24	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0715	5.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.142	5.24	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0604	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0511	1.05	PQL	ng/Kg	
	OCDD	JB	6.73	10.5	PQL	ng/Kg	
	OCDF	JBQ	0.403	10.5	PQL	ng/Kg	

# **SAMPLE DELIVERY GROUP**

**DX165**

## **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
29-Mar-2012	SL-091-NBZ-SS-0.0-0.5	6599859	N	METHOD	1613B	III
29-Mar-2012	DUP-05-NBZ-QC-032912	6599865	FD	METHOD	1613B	III
29-Mar-2012	SL-091-NBZ-SB-4.0-5.0	6599860	N	METHOD	1613B	III
29-Mar-2012	SL-092-NBZ-SS-0.0-0.5	6599861	N	METHOD	1613B	III
29-Mar-2012	SL-092-NBZ-SS-0.0-0.5 MS	6599862	MS	METHOD	1613B	III
29-Mar-2012	SL-092-NBZ-SS-0.0-0.5 MSD	6599863	MSD	METHOD	1613B	III
29-Mar-2012	SL-092-NBZ-SS-0.0-0.5MSD	P599861M370102	MSD	METHOD	1613B	III
29-Mar-2012	SL-092-NBZ-SS-0.0-0.5MS	P599861R370006	MS	METHOD	1613B	III
29-Mar-2012	SL-044-NBZ-SS-0.0-0.5	6599858	N	METHOD	1613B	III
29-Mar-2012	EB-NBZ-SB-032912	6599866	EB	METHOD	1613B	III
29-Mar-2012	EB-NBZ-SS-032912	6599867	EB	METHOD	1613B	III
02-Apr-2012	SL-028-NBZ-SS-0.0-0.5	6605184	N	METHOD	1613B	III
02-Apr-2012	SL-113-NBZ-SS-0.0-0.5	6605188	N	METHOD	1613B	III
02-Apr-2012	SL-025-NBZ-SS-0.0-0.5	6605181	N	METHOD	1613B	III
02-Apr-2012	SL-027-NBZ-SS-0.0-0.5	6605183	N	METHOD	1613B	III
02-Apr-2012	SL-138-NBZ-SS-0.0-0.5	6605189	N	METHOD	1613B	III
02-Apr-2012	SL-112-NBZ-SS-0.0-0.5	6605187	N	METHOD	1613B	III
02-Apr-2012	SL-026-NBZ-SS-0.0-0.5	6605182	N	METHOD	1613B	III
02-Apr-2012	SL-111-NBZ-SS-0.0-0.5	6605186	N	METHOD	1613B	III
02-Apr-2012	SL-107-NBZ-SS-0.0-0.5	6605185	N	METHOD	1613B	III
02-Apr-2012	SL-194-NBZ-SS-0.0-0.5	6605190	N	METHOD	1613B	III
03-Apr-2012	SL-031-NBZ-SS-0.0-0.5	6605191	N	METHOD	1613B	III
03-Apr-2012	SL-108-NBZ-SS-0.0-0.5	6605194	N	METHOD	1613B	III
03-Apr-2012	SL-033-NBZ-SS-0.0-0.5	6605192	N	METHOD	1613B	III
03-Apr-2012	SL-122-NBZ-SS-0.0-0.5	6605195	N	METHOD	1613B	III
03-Apr-2012	SL-034-NBZ-SS-0.0-0.5	6605193	N	METHOD	1613B	III

## **Attachment II**

# **Overall Data Qualification Summary**

# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	AQ

Sample ID: EB-NBZ-SB-032912	Collected: 3/29/2012 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-HPCDD	6.49	JB	0.365	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	2.69	JB	0.176	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.683	JB	0.210	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.641	JBQ	0.246	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.719	JB	0.173	MDL	10.5	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.948	JBQ	0.254	MDL	10.5	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.635	JB	0.188	MDL	10.5	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.977	JBQ	0.258	MDL	10.5	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.780	JBQ	0.187	MDL	10.5	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.900	JQ	0.321	MDL	10.5	PQL	pg/L	J	Z
1,2,3,7,8-PECDF	0.377	JB	0.206	MDL	10.5	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.742	JBQ	0.166	MDL	10.5	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.681	JB	0.184	MDL	10.5	PQL	pg/L	U	B
OCDD	19.0	JB	0.355	MDL	21.1	PQL	pg/L	U	B
OCDF	3.79	JBQ	0.386	MDL	21.1	PQL	pg/L	U	B

Sample ID: EB-NBZ-SS-032912	Collected: 3/29/2012 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-HPCDD	7.20	JB	0.331	MDL	11.0	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	2.11	JB	0.150	MDL	11.0	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.358	JBQ	0.176	MDL	11.0	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.496	JBQ	0.150	MDL	11.0	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.569	JBQ	0.236	MDL	11.0	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.314	JB	0.145	MDL	11.0	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.466	JB	0.233	MDL	11.0	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.457	JBQ	0.152	MDL	11.0	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.341	JQ	0.313	MDL	11.0	PQL	pg/L	J	Z
1,2,3,7,8-PECDF	0.220	JB	0.187	MDL	11.0	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.320	JBQ	0.133	MDL	11.0	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.700	JBQ	0.165	MDL	11.0	PQL	pg/L	U	B
OCDD	16.6	JB	0.318	MDL	22.0	PQL	pg/L	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> AQ

<b>Sample ID:</b> EB-NBZ-SS-032912	<b>Collected:</b> 3/29/2012 3:45:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	1.08	JBQ	0.318	MDL	22.0	PQL	pg/L	U	B

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

<b>Sample ID:</b> DUP-05-NBZ-QC-032912	<b>Collected:</b> 3/29/2012 10:17:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	241	B	0.123	MDL	6.24	PQL	ng/Kg	J	FD
1,2,3,4,6,7,8-HPCDF	38.5	B	0.0394	MDL	6.24	PQL	ng/Kg	J	FD
1,2,3,4,7,8,9-HPCDF	4.44	JB	0.0753	MDL	6.24	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDD	1.38	JB	0.0552	MDL	6.24	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	1.26	JB	0.0504	MDL	6.24	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDD	8.94	B	0.0611	MDL	6.24	PQL	ng/Kg	J	FD
1,2,3,6,7,8-HXCDF	1.20	JB	0.0425	MDL	6.24	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDD	2.95	JB	0.0572	MDL	6.24	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.425	JB	0.0592	MDL	6.24	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDD	0.669	JB	0.0492	MDL	6.24	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.646	JB	0.0345	MDL	6.24	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HXCDF	2.20	JB	0.0454	MDL	6.24	PQL	ng/Kg	J	Z, FD
2,3,4,7,8-PECDF	0.414	JB	0.0378	MDL	6.24	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDD	0.104	J	0.0305	MDL	1.25	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.165	JB	0.0417	MDL	1.25	PQL	ng/Kg	J	Z, FD
OCDD	2260	B	0.0695	MDL	12.5	PQL	ng/Kg	J	FD
OCDF	95.0	B	0.0418	MDL	12.5	PQL	ng/Kg	J	FD

<b>Sample ID:</b> SL-025-NBZ-SS-0.0-0.5	<b>Collected:</b> 4/2/2012 10:05:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.30	JB	0.0299	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.497	JB	0.0191	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0950	JB	0.0320	MDL	5.46	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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<i>Sample ID:</i> SL-025-NBZ-SS-0.0-0.5	<i>Collected:</i> 4/2/2012 10:05:00	<i>Analysis Type:</i> RES	<i>Dilution:</i> 1						
<i>Analyte</i>	<i>Lab Result</i>	<i>Lab Qual</i>	<i>DL</i>	<i>DL Type</i>	<i>RL</i>	<i>RL Type</i>	<i>Units</i>	<i>Data Review Qual</i>	<i>Reason Code</i>
1,2,3,4,7,8-HxCDD	0.112	JBQ	0.0284	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.156	JB	0.0274	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.246	JB	0.0286	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.142	JBQ	0.0257	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.327	JB	0.0293	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.105	JB	0.0314	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.142	JB	0.0332	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.200	JB	0.0243	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.156	JBQ	0.0261	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.144	JB	0.0243	MDL	5.46	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0340	JQ	0.0277	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0899	JB	0.0368	MDL	1.09	PQL	ng/Kg	U	B
OCDF	0.893	JB	0.0308	MDL	10.9	PQL	ng/Kg	J	Z

<i>Sample ID:</i> SL-026-NBZ-SS-0.0-0.5	<i>Collected:</i> 4/2/2012 12:50:00	<i>Analysis Type:</i> RES	<i>Dilution:</i> 1						
<i>Analyte</i>	<i>Lab Result</i>	<i>Lab Qual</i>	<i>DL</i>	<i>DL Type</i>	<i>RL</i>	<i>RL Type</i>	<i>Units</i>	<i>Data Review Qual</i>	<i>Reason Code</i>
1,2,3,4,6,7,8-HPCDD	2.36	JB	0.0286	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.471	JB	0.0123	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.140	JB	0.0234	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.128	JBQ	0.0260	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.255	JB	0.0207	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.312	JB	0.0266	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.193	JB	0.0189	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.305	JB	0.0260	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.188	JB	0.0230	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.252	JBQ	0.0301	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.457	JB	0.0267	MDL	5.21	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.186	JBQ	0.0197	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.255	JB	0.0256	MDL	5.21	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.100	J	0.0234	MDL	1.04	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.142	JB	0.0418	MDL	1.04	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-026-NBZ-SS-0.0-0.5      Collected: 4/2/2012 12:50:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.886	JB	0.0282	MDL	10.4	PQL	ng/Kg	J	Z

Sample ID: SL-027-NBZ-SS-0.0-0.5      Collected: 4/2/2012 10:05:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.08	JB	0.0169	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.302	JB	0.0298	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.319	JB	0.0364	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.410	JB	0.0292	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.695	JB	0.0377	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.337	JBQ	0.0263	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.538	JB	0.0373	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.221	JB	0.0345	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.304	JB	0.0428	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.611	JB	0.0326	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.338	JB	0.0278	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.391	JB	0.0352	MDL	5.72	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.106	JQ	0.0335	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.336	JB	0.0547	MDL	1.14	PQL	ng/Kg	J	Z
OCDF	4.36	JB	0.0310	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-028-NBZ-SS-0.0-0.5      Collected: 4/2/2012 9:10:00 AM      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.20	JB	0.0306	MDL	5.35	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.592	JB	0.0169	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.123	JBQ	0.0307	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0923	JBQ	0.0274	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.138	JB	0.0213	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.210	JB	0.0280	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.116	JBQ	0.0202	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.214	JB	0.0278	MDL	5.35	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

9/6/2012 9:22:40 AM

ADR version 1.6.0.188

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA
<b>Method:</b>	1613B
<b>Matrix:</b>	SO

Sample ID: SL-028-NBZ-SS-0.0-0.5      Collected: 4/2/2012 9:10:00 AM      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.126	JB	0.0265	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0535	JBQ	0.0310	MDL	5.35	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.187	JBQ	0.0208	MDL	5.35	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.128	JB	0.0199	MDL	5.35	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.181	JB	0.0222	MDL	5.35	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0567	JQ	0.0274	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0609	JBQ	0.0349	MDL	1.07	PQL	ng/Kg	U	B
OCDF	1.06	JB	0.0308	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-031-NBZ-SS-0.0-0.5      Collected: 4/3/2012 9:30:00 AM      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.18	JB	0.0169	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.122	JB	0.0249	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.159	JB	0.0265	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.303	JB	0.0204	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.426	JB	0.0277	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.246	JB	0.0201	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.441	JB	0.0269	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0980	JBQ	0.0234	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.217	JB	0.0333	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.536	JB	0.0311	MDL	5.40	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.231	JB	0.0184	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.335	JB	0.0290	MDL	5.40	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.275	JBQ	0.0472	MDL	1.08	PQL	ng/Kg	J	Z
OCDF	2.64	JB	0.0217	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-033-NBZ-SS-0.0-0.5      Collected: 4/3/2012 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	2.27	JB	0.0406	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.588	JB	0.0283	MDL	5.43	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

	Collected: 4/3/2012 10:30:00	Analysis Type: RES		Dilution: 1					
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.0798	JB	0.0430	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0968	JB	0.0472	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.160	JB	0.0349	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.215	JB	0.0521	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.115	JB	0.0323	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.269	JB	0.0443	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.114	JB	0.0392	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.242	JBQ	0.0491	MDL	5.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.332	JB	0.0359	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.131	JB	0.0338	MDL	5.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.386	JB	0.0360	MDL	5.43	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.280	J	0.0417	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.176	J	0.0548	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	1.12	JB	0.0392	MDL	10.9	PQL	ng/Kg	J	Z

	Collected: 4/3/2012 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-HPCDD	4.83	JB	0.0375	MDL	5.96	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.17	JB	0.0208	MDL	5.96	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.203	JB	0.0335	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.149	JB	0.0409	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.305	JB	0.0305	MDL	5.96	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.28	JB	0.0413	MDL	5.96	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.339	JB	0.0289	MDL	5.96	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.74	JB	0.0424	MDL	5.96	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.260	JBQ	0.0334	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.222	JB	0.0502	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.448	JB	0.0500	MDL	5.96	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.313	JB	0.0298	MDL	5.96	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.334	JB	0.0456	MDL	5.96	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0657	J	0.0418	MDL	1.19	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-034-NBZ-SS-0.0-0.5	Collected: 4/3/2012 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
2,3,7,8-TCDF	0.353	JB	0.0884	MDL	1.19	PQL	ng/Kg	J	Z
OCDF	2.06	JB	0.0341	MDL	11.9	PQL	ng/Kg	J	Z

Sample ID: SL-044-NBZ-SS-0.0-0.5	Collected: 3/29/2012 1:11:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	2.65	JB	0.0714	MDL	4.95	PQL	ng/Kg	J	Z

Sample ID: SL-091-NBZ-SB-4.0-5.0	Collected: 3/29/2012 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	5.39	JB	0.0476	MDL	6.02	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.637	JB	0.0308	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.133	JBQ	0.0556	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.105	JBQ	0.0366	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0929	JB	0.0254	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.160	JB	0.0359	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0966	JBQ	0.0377	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0683	JBQ	0.0313	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0924	JB	0.0226	MDL	6.02	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0973	JBQ	0.0232	MDL	6.02	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.104	JB	0.0224	MDL	6.02	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0336	JQ	0.0290	MDL	1.20	PQL	ng/Kg	J	Z
OCDF	1.84	JB	0.0499	MDL	12.0	PQL	ng/Kg	J	Z

Sample ID: SL-091-NBZ-SS-0.0-0.5	Collected: 3/29/2012 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
1,2,3,4,7,8,9-HPCDF	2.51	JB	0.0568	MDL	5.96	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.97	JB	0.0726	MDL	5.96	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.21	JB	0.0463	MDL	5.96	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.21	JB	0.0429	MDL	5.96	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
<i>Sample ID: SL-091-NBZ-SS-0.0-0.5      Collected: 3/29/2012 9:09:00      Analysis Type: RES      Dilution: 1</i>									
<b>Analyte</b>									
1,2,3,7,8,9-HXCDF	0.0698	JB	0.0569	MDL	5.96	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	1.07	JB	0.0844	MDL	5.96	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.90	JB	0.0454	MDL	5.96	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.42	JB	0.0429	MDL	5.96	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.663	JB	0.0421	MDL	5.96	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.263	J	0.0422	MDL	1.19	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.342	JB	0.0665	MDL	1.19	PQL	ng/Kg	J	Z

	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
<i>Sample ID: SL-092-NBZ-SS-0.0-0.5      Collected: 3/29/2012 11:43:00      Analysis Type: RES      Dilution: 1</i>									
<b>Analyte</b>									
1,2,3,4,6,7,8-HPCDD	101	B	0.0876	MDL	5.72	PQL	ng/Kg	J	FD
1,2,3,4,6,7,8-HPCDF	18.2	B	0.0302	MDL	5.72	PQL	ng/Kg	J	FD
1,2,3,4,7,8,9-HPCDF	1.71	JB	0.0631	MDL	5.72	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDD	0.255	JB	0.0412	MDL	5.72	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.600	JB	0.0322	MDL	5.72	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDD	2.71	JB	0.0429	MDL	5.72	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.451	JB	0.0298	MDL	5.72	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HxCDD	0.837	JB	0.0421	MDL	5.72	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.162	JB	0.0410	MDL	5.72	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.119	JBQ	0.0304	MDL	5.72	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	0.228	JBQ	0.0270	MDL	5.72	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HXCDF	0.890	JB	0.0311	MDL	5.72	PQL	ng/Kg	J	Z, FD
2,3,4,7,8-PECDF	0.142	JB	0.0279	MDL	5.72	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDD	0.0537	J	0.0263	MDL	1.14	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.0322	U	0.0322	MDL	1.14	PQL	ng/Kg	UJ	FD
OCDD	1100	B	0.0550	MDL	11.4	PQL	ng/Kg	J	FD
OCDF	41.4	B	0.0403	MDL	11.4	PQL	ng/Kg	J	FD

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

<b>Sample ID:</b> SL-107-NBZ-SS-0.0-0.5			<b>Collected:</b> 4/2/2012 1:58:00 PM				<b>Analysis Type:</b> RES		<b>Dilution:</b> 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
1,2,3,4,6,7,8-HPCDD	3.98	JB	0.0296	MDL	5.37	PQL	ng/Kg	J	Z	
1,2,3,4,6,7,8-HPCDF	1.04	JB	0.0213	MDL	5.37	PQL	ng/Kg	J	Z	
1,2,3,4,7,8,9-HPCDF	0.163	JBQ	0.0387	MDL	5.37	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.116	JBQ	0.0280	MDL	5.37	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HXCDF	0.293	JB	0.0236	MDL	5.37	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDD	0.270	JB	0.0288	MDL	5.37	PQL	ng/Kg	U	B	
1,2,3,6,7,8-HXCDF	0.216	JB	0.0217	MDL	5.37	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDD	0.312	JB	0.0289	MDL	5.37	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HXCDF	0.0861	JBQ	0.0295	MDL	5.37	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDD	0.149	JB	0.0317	MDL	5.37	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDF	0.464	JB	0.0398	MDL	5.37	PQL	ng/Kg	J	Z	
2,3,4,6,7,8-HXCDF	0.278	JB	0.0218	MDL	5.37	PQL	ng/Kg	J	Z	
2,3,4,7,8-PECDF	0.253	JB	0.0385	MDL	5.37	PQL	ng/Kg	U	B	
2,3,7,8-TCDD	0.0376	J	0.0282	MDL	1.07	PQL	ng/Kg	J	Z	
2,3,7,8-TCDF	0.271	JB	0.0671	MDL	1.07	PQL	ng/Kg	J	Z	
OCDF	1.93	JB	0.0270	MDL	10.7	PQL	ng/Kg	J	Z	

<b>Sample ID:</b> SL-108-NBZ-SS-0.0-0.5			<b>Collected:</b> 4/3/2012 9:45:00 AM				<b>Analysis Type:</b> RES		<b>Dilution:</b> 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
1,2,3,4,6,7,8-HPCDD	0.604	JB	0.0190	MDL	5.29	PQL	ng/Kg	U	B	
1,2,3,4,6,7,8-HPCDF	0.164	JB	0.0104	MDL	5.29	PQL	ng/Kg	U	B	
1,2,3,4,7,8,9-HPCDF	0.0691	JBQ	0.0148	MDL	5.29	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.0296	JBQ	0.0173	MDL	5.29	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HXCDF	0.0629	JB	0.0134	MDL	5.29	PQL	ng/Kg	U	B	
1,2,3,6,7,8-HxCDD	0.0336	JBQ	0.0183	MDL	5.29	PQL	ng/Kg	U	B	
1,2,3,6,7,8-HXCDF	0.0334	JB	0.0133	MDL	5.29	PQL	ng/Kg	U	B	
1,2,3,7,8,9-HxCDD	0.0643	JB	0.0180	MDL	5.29	PQL	ng/Kg	U	B	
1,2,3,7,8,9-HXCDF	0.0301	JB	0.0144	MDL	5.29	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDF	0.0767	JBQ	0.0182	MDL	5.29	PQL	ng/Kg	U	B	
2,3,4,7,8-PECDF	0.0624	JB	0.0180	MDL	5.29	PQL	ng/Kg	U	B	
2,3,7,8-TCDD	0.0463	JQ	0.0225	MDL	1.06	PQL	ng/Kg	J	Z	

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-108-NBZ-SS-0.0-0.5      Collected: 4/3/2012 9:45:00 AM      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.0526	JB	0.0278	MDL	1.06	PQL	ng/Kg	U	B
OCDD	2.28	JB	0.0162	MDL	10.6	PQL	ng/Kg	U	B
OCDF	0.217	JB	0.0212	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-111-NBZ-SS-0.0-0.5      Collected: 4/2/2012 1:33:00 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	1.87	JB	0.0206	MDL	6.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.238	JB	0.0348	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.207	JBQ	0.0329	MDL	6.24	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.558	JB	0.0291	MDL	6.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.758	JB	0.0350	MDL	6.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.424	JB	0.0272	MDL	6.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.883	JB	0.0327	MDL	6.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.190	JB	0.0329	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.227	JB	0.0410	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.744	JB	0.0542	MDL	6.24	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.569	JB	0.0261	MDL	6.24	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.673	JB	0.0523	MDL	6.24	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.596	JB	0.0846	MDL	1.25	PQL	ng/Kg	J	Z
OCDF	3.57	JB	0.0267	MDL	12.5	PQL	ng/Kg	J	Z

Sample ID: SL-112-NBZ-SS-0.0-0.5      Collected: 4/2/2012 10:40:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.74	JB	0.0285	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.449	JB	0.0112	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0773	JB	0.0226	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0671	JBQ	0.0259	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.161	JB	0.0223	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.122	JBQ	0.0270	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.122	JB	0.0196	MDL	5.33	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

9/6/2012 9:22:40 AM

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

Sample ID: SL-112-NBZ-SS-0.0-0.5	Collected: 4/2/2012 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
1,2,3,7,8,9-HXCDD	0.146	JBQ	0.0266	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0498	JBQ	0.0251	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0675	JB	0.0303	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.168	JBQ	0.0259	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.157	JBQ	0.0191	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.117	JBQ	0.0254	MDL	5.33	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0445	J	0.0275	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.105	JB	0.0424	MDL	1.07	PQL	ng/Kg	U	B
OCDF	0.815	JB	0.0285	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-113-NBZ-SS-0.0-0.5	Collected: 4/2/2012 9:29:00 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	1.62	JB	0.0187	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.454	JB	0.0109	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0813	JB	0.0207	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0412	JBQ	0.0213	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.153	JB	0.0174	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.194	JBQ	0.0224	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0997	JB	0.0160	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.277	JB	0.0224	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0814	JB	0.0226	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0663	JBQ	0.0270	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.170	JB	0.0246	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.128	JB	0.0160	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.138	JBQ	0.0239	MDL	5.38	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0743	JB	0.0419	MDL	1.08	PQL	ng/Kg	U	B
OCDD	9.20	JB	0.0157	MDL	10.8	PQL	ng/Kg	J	Z
OCDF	0.709	JB	0.0215	MDL	10.8	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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ADR version 1.6.0.188

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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	Collected: 4/3/2012 11:03:00	Analysis Type: RES	Dilution: 1						
Sample ID: SL-122-NBZ-SS-0.0-0.5									
Analyte	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	0.0250	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.648	JB	0.0147	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.106	JBQ	0.0231	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0818	JB	0.0259	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.196	JBQ	0.0214	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.166	JBQ	0.0287	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.140	JB	0.0189	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.154	JB	0.0266	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.107	JB	0.0238	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0895	JBQ	0.0311	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.317	JB	0.0295	MDL	5.69	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.176	JB	0.0189	MDL	5.69	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.235	JB	0.0287	MDL	5.69	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0305	JQ	0.0296	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.148	JB	0.0476	MDL	1.14	PQL	ng/Kg	J	Z
OCDF	1.11	JB	0.0236	MDL	11.4	PQL	ng/Kg	J	Z

	Collected: 4/2/2012 10:11:00	Analysis Type: RES	Dilution: 1						
Sample ID: SL-138-NBZ-SS-0.0-0.5									
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.04	JB	0.0268	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.333	JBQ	0.0108	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0834	JB	0.0193	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0352	JBQ	0.0231	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.103	JBQ	0.0181	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.142	JB	0.0232	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.106	JB	0.0173	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.239	JBQ	0.0245	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0740	JB	0.0219	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0665	JB	0.0286	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.129	JB	0.0277	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.137	JBQ	0.0165	MDL	5.59	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-138-NBZ-SS-0.0-0.5      Collected: 4/2/2012 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
2,3,4,7,8-PECDF	0.131	JBQ	0.0270	MDL	5.59	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0353	JQ	0.0252	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.135	JB	0.0432	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	5.12	JB	0.0179	MDL	11.2	PQL	ng/Kg	J	Z
OCDF	0.554	JB	0.0296	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-194-NBZ-SS-0.0-0.5      Collected: 4/2/2012 2:40:00 PM      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.96	JB	0.0211	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.159	JBQ	0.0305	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.172	JB	0.0393	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.536	JB	0.0282	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.659	JB	0.0395	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.348	JB	0.0276	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.516	JB	0.0413	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.162	JB	0.0317	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.272	JB	0.0435	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.42	JB	0.0507	MDL	5.62	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.330	JB	0.0258	MDL	5.62	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.222	JB	0.0465	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.376	JB	0.0857	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	5.43	JB	0.0267	MDL	11.2	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

## Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
B	Method Blank Contamination
FD	Field Duplicate Precision
Z	Reporting Limit Trace Value

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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## **Enclosure I**

### **Level III ADR Outliers (including Manual Review Outliers)**

# Quality Control Outlier Reports

DX165

# Method Blank Outlier Report

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK0940B371712	4/4/2012 5:12:00 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	4.80 pg/L 1.46 pg/L 0.326 pg/L 0.221 pg/L 0.403 pg/L 0.438 pg/L 0.161 pg/L 0.508 pg/L 0.364 pg/L 0.176 pg/L 0.356 pg/L 0.605 pg/L 0.269 pg/L 14.6 pg/L 1.40 pg/L	EB-NBZ-SB-032912 EB-NBZ-SS-032912

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB-NBZ-SB-032912(RES)	1,2,3,4,6,7,8-HPCDD	6.49 pg/L	6.49U pg/L
EB-NBZ-SB-032912(RES)	1,2,3,4,6,7,8-HPCDF	2.69 pg/L	2.69U pg/L
EB-NBZ-SB-032912(RES)	1,2,3,4,7,8,9-HPCDF	0.683 pg/L	0.683U pg/L
EB-NBZ-SB-032912(RES)	1,2,3,4,7,8-HxCDD	0.641 pg/L	0.641U pg/L
EB-NBZ-SB-032912(RES)	1,2,3,4,7,8-HXCDF	0.719 pg/L	0.719U pg/L
EB-NBZ-SB-032912(RES)	1,2,3,6,7,8-HXCDD	0.948 pg/L	0.948U pg/L
EB-NBZ-SB-032912(RES)	1,2,3,6,7,8-HXCDF	0.635 pg/L	0.635U pg/L
EB-NBZ-SB-032912(RES)	1,2,3,7,8,9-HXCDD	0.977 pg/L	0.977U pg/L
EB-NBZ-SB-032912(RES)	1,2,3,7,8,9-HXCDF	0.780 pg/L	0.780U pg/L
EB-NBZ-SB-032912(RES)	1,2,3,7,8-PECDF	0.377 pg/L	0.377U pg/L
EB-NBZ-SB-032912(RES)	2,3,4,6,7,8-HXCDF	0.742 pg/L	0.742U pg/L
EB-NBZ-SB-032912(RES)	2,3,4,7,8-PECDF	0.681 pg/L	0.681U pg/L
EB-NBZ-SB-032912(RES)	OCDD	19.0 pg/L	19.0U pg/L
EB-NBZ-SB-032912(RES)	OCDF	3.79 pg/L	3.79U pg/L
EB-NBZ-SS-032912(RES)	1,2,3,4,6,7,8-HPCDD	7.20 pg/L	7.20U pg/L
EB-NBZ-SS-032912(RES)	1,2,3,4,6,7,8-HPCDF	2.11 pg/L	2.11U pg/L
EB-NBZ-SS-032912(RES)	1,2,3,4,7,8,9-HPCDF	0.358 pg/L	0.358U pg/L
EB-NBZ-SS-032912(RES)	1,2,3,4,7,8-HXCDF	0.496 pg/L	0.496U pg/L
EB-NBZ-SS-032912(RES)	1,2,3,6,7,8-HXCDD	0.569 pg/L	0.569U pg/L
EB-NBZ-SS-032912(RES)	1,2,3,6,7,8-HXCDF	0.314 pg/L	0.314U pg/L
EB-NBZ-SS-032912(RES)	1,2,3,7,8,9-HXCDD	0.466 pg/L	0.466U pg/L
EB-NBZ-SS-032912(RES)	1,2,3,7,8,9-HXCDF	0.457 pg/L	0.457U pg/L
EB-NBZ-SS-032912(RES)	1,2,3,7,8-PECDF	0.220 pg/L	0.220U pg/L
EB-NBZ-SS-032912(RES)	2,3,4,6,7,8-HXCDF	0.320 pg/L	0.320U pg/L
EB-NBZ-SS-032912(RES)	2,3,4,7,8-PECDF	0.700 pg/L	0.700U pg/L
EB-NBZ-SS-032912(RES)	OCDD	16.6 pg/L	16.6U pg/L
EB-NBZ-SS-032912(RES)	OCDF	1.08 pg/L	1.08U pg/L

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1010B371923	4/12/2012 7:23:00 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	0.375 ng/Kg 0.130 ng/Kg 0.0593 ng/Kg 0.0356 ng/Kg 0.0457 ng/Kg 0.0560 ng/Kg 0.0356 ng/Kg 0.0546 ng/Kg 0.0769 ng/Kg 0.0488 ng/Kg 0.0238 ng/Kg 0.0477 ng/Kg 0.0700 ng/Kg 0.0266 ng/Kg 0.647 ng/Kg 0.176 ng/Kg	DUP-05-NBZ-QC-032912 SL-025-NBZ-SS-0.0-0.5 SL-026-NBZ-SS-0.0-0.5 SL-027-NBZ-SS-0.0-0.5 SL-028-NBZ-SS-0.0-0.5 SL-031-NBZ-SS-0.0-0.5 SL-034-NBZ-SS-0.0-0.5 SL-044-NBZ-SS-0.0-0.5 SL-091-NBZ-SB-4.0-5.0 SL-091-NBZ-SS-0.0-0.5 SL-092-NBZ-SS-0.0-0.5 SL-107-NBZ-SS-0.0-0.5 SL-108-NBZ-SS-0.0-0.5 SL-111-NBZ-SS-0.0-0.5 SL-112-NBZ-SS-0.0-0.5 SL-113-NBZ-SS-0.0-0.5 SL-122-NBZ-SS-0.0-0.5 SL-138-NBZ-SS-0.0-0.5 SL-194-NBZ-SS-0.0-0.5
BLK1030B372035	4/13/2012 8:35:00 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	0.498 ng/Kg 0.143 ng/Kg 0.0810 ng/Kg 0.0299 ng/Kg 0.0599 ng/Kg 0.104 ng/Kg 0.0799 ng/Kg 0.0587 ng/Kg 0.0229 ng/Kg 0.0493 ng/Kg 0.0922 ng/Kg 0.0864 ng/Kg 0.131 ng/Kg 0.514 ng/Kg 0.114 ng/Kg	SL-033-NBZ-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-025-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.497 ng/Kg	0.497U ng/Kg
SL-025-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0950 ng/Kg	0.0950U ng/Kg
SL-025-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.112 ng/Kg	0.112U ng/Kg
SL-025-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.156 ng/Kg	0.156U ng/Kg
SL-025-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.246 ng/Kg	0.246U ng/Kg
SL-025-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.142 ng/Kg	0.142U ng/Kg
SL-025-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.105 ng/Kg	0.105U ng/Kg
SL-025-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.142 ng/Kg	0.142U ng/Kg
SL-025-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.156 ng/Kg	0.156U ng/Kg
SL-025-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.144 ng/Kg	0.144U ng/Kg
SL-025-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0899 ng/Kg	0.0899U ng/Kg
SL-026-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.471 ng/Kg	0.471U ng/Kg
SL-026-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.140 ng/Kg	0.140U ng/Kg
SL-026-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.128 ng/Kg	0.128U ng/Kg
SL-026-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.188 ng/Kg	0.188U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The following samples and their listed target analytes were qualified due to contamination reported in this blank*

Sample ID	Analyte	Reported Result	Modified Final Result
SL-026-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.186 ng/Kg	0.186U ng/Kg
SL-026-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.255 ng/Kg	0.255U ng/Kg
SL-027-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.221 ng/Kg	0.221U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.592 ng/Kg	0.592U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.123 ng/Kg	0.123U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0923 ng/Kg	0.0923U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.210 ng/Kg	0.210U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.116 ng/Kg	0.116U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.214 ng/Kg	0.214U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.126 ng/Kg	0.126U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0535 ng/Kg	0.0535U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.128 ng/Kg	0.128U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.181 ng/Kg	0.181U ng/Kg
SL-028-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0609 ng/Kg	0.0609U ng/Kg
SL-031-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.122 ng/Kg	0.122U ng/Kg
SL-031-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.159 ng/Kg	0.159U ng/Kg
SL-031-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0980 ng/Kg	0.0980U ng/Kg
SL-031-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.217 ng/Kg	0.217U ng/Kg
SL-031-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.231 ng/Kg	0.231U ng/Kg
SL-031-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.335 ng/Kg	0.335U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	2.27 ng/Kg	2.27U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.588 ng/Kg	0.588U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0798 ng/Kg	0.0798U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0968 ng/Kg	0.0968U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.160 ng/Kg	0.160U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.215 ng/Kg	0.215U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.115 ng/Kg	0.115U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.269 ng/Kg	0.269U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.114 ng/Kg	0.114U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.242 ng/Kg	0.242U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.332 ng/Kg	0.332U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.131 ng/Kg	0.131U ng/Kg
SL-033-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.386 ng/Kg	0.386U ng/Kg
SL-034-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.203 ng/Kg	0.203U ng/Kg
SL-034-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.149 ng/Kg	0.149U ng/Kg
SL-034-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.260 ng/Kg	0.260U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.222 ng/Kg	0.222U ng/Kg
SL-034-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.334 ng/Kg	0.334U ng/Kg
SL-091-NBZ-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.637 ng/Kg	0.637U ng/Kg
SL-091-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.133 ng/Kg	0.133U ng/Kg
SL-091-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.105 ng/Kg	0.105U ng/Kg
SL-091-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0929 ng/Kg	0.0929U ng/Kg
SL-091-NBZ-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.160 ng/Kg	0.160U ng/Kg
SL-091-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0966 ng/Kg	0.0966U ng/Kg
SL-091-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0683 ng/Kg	0.0683U ng/Kg
SL-091-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0924 ng/Kg	0.0924U ng/Kg
SL-091-NBZ-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0973 ng/Kg	0.0973U ng/Kg
SL-091-NBZ-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.104 ng/Kg	0.104U ng/Kg
SL-091-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0698 ng/Kg	0.0698U ng/Kg
SL-092-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.162 ng/Kg	0.162U ng/Kg
SL-092-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.119 ng/Kg	0.119U ng/Kg
SL-092-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.142 ng/Kg	0.142U ng/Kg
SL-107-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.163 ng/Kg	0.163U ng/Kg
SL-107-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.116 ng/Kg	0.116U ng/Kg
SL-107-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.270 ng/Kg	0.270U ng/Kg
SL-107-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0861 ng/Kg	0.0861U ng/Kg
SL-107-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.149 ng/Kg	0.149U ng/Kg
SL-107-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.253 ng/Kg	0.253U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	0.604 ng/Kg	0.604U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.164 ng/Kg	0.164U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0691 ng/Kg	0.0691U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0296 ng/Kg	0.0296U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0629 ng/Kg	0.0629U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.0336 ng/Kg	0.0336U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0334 ng/Kg	0.0334U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.0643 ng/Kg	0.0643U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0301 ng/Kg	0.0301U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0767 ng/Kg	0.0767U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0624 ng/Kg	0.0624U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0526 ng/Kg	0.0526U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	OCDD	2.28 ng/Kg	2.28U ng/Kg
SL-108-NBZ-SS-0.0-0.5(RES)	OCDF	0.217 ng/Kg	0.217U ng/Kg
SL-111-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.238 ng/Kg	0.238U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-111-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.190 ng/Kg	0.190U ng/Kg
SL-111-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.227 ng/Kg	0.227U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.74 ng/Kg	1.74U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.449 ng/Kg	0.449U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0773 ng/Kg	0.0773U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0671 ng/Kg	0.0671U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.161 ng/Kg	0.161U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.122 ng/Kg	0.122U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.122 ng/Kg	0.122U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.146 ng/Kg	0.146U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0498 ng/Kg	0.0498U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0675 ng/Kg	0.0675U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.157 ng/Kg	0.157U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.117 ng/Kg	0.117U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.105 ng/Kg	0.105U ng/Kg
SL-112-NBZ-SS-0.0-0.5(RES)	OCDF	0.815 ng/Kg	0.815U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.62 ng/Kg	1.62U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.454 ng/Kg	0.454U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0813 ng/Kg	0.0813U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0412 ng/Kg	0.0412U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.153 ng/Kg	0.153U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.194 ng/Kg	0.194U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0997 ng/Kg	0.0997U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0814 ng/Kg	0.0814U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0663 ng/Kg	0.0663U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.128 ng/Kg	0.128U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.138 ng/Kg	0.138U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0743 ng/Kg	0.0743U ng/Kg
SL-113-NBZ-SS-0.0-0.5(RES)	OCDF	0.709 ng/Kg	0.709U ng/Kg
SL-122-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.648 ng/Kg	0.648U ng/Kg
SL-122-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.106 ng/Kg	0.106U ng/Kg
SL-122-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0818 ng/Kg	0.0818U ng/Kg
SL-122-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.196 ng/Kg	0.196U ng/Kg
SL-122-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.166 ng/Kg	0.166U ng/Kg
SL-122-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.140 ng/Kg	0.140U ng/Kg
SL-122-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.154 ng/Kg	0.154U ng/Kg
SL-122-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.107 ng/Kg	0.107U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-122-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0895 ng/Kg	0.0895U ng/Kg
SL-122-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SL-122-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.235 ng/Kg	0.235U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.04 ng/Kg	1.04U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.333 ng/Kg	0.333U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0834 ng/Kg	0.0834U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0352 ng/Kg	0.0352U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.103 ng/Kg	0.103U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDD	0.142 ng/Kg	0.142U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.106 ng/Kg	0.106U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDD	0.239 ng/Kg	0.239U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0740 ng/Kg	0.0740U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0665 ng/Kg	0.0665U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.137 ng/Kg	0.137U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.131 ng/Kg	0.131U ng/Kg
SL-138-NBZ-SS-0.0-0.5(RES)	OCDF	0.554 ng/Kg	0.554U ng/Kg
SL-194-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.159 ng/Kg	0.159U ng/Kg
SL-194-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.172 ng/Kg	0.172U ng/Kg
SL-194-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.162 ng/Kg	0.162U ng/Kg
SL-194-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.222 ng/Kg	0.222U ng/Kg

# Field Duplicate RPD Report

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method: 160.3M**  
**Matrix: SO**

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-092-NBZ-SS-0.0-0.5	DUP-05-NBZ-QC-032912			
MOISTURE	15.2	20.4	29		No Qualifiers Applied

**Method: 1613B**  
**Matrix: SO**

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-092-NBZ-SS-0.0-0.5	DUP-05-NBZ-QC-032912			
1,2,3,4,6,7,8-HPCDD	101	241	82	50.00	J(all detects) UJ(all non-detects)
1,2,3,4,6,7,8-HPCDF	18.2	38.5	72	50.00	
1,2,3,4,7,8,9-HPCDF	1.71	4.44	89	50.00	
1,2,3,4,7,8-HxCDD	0.255	1.38	138	50.00	
1,2,3,4,7,8-HxCDF	0.600	1.26	71	50.00	
1,2,3,6,7,8-HxCDD	2.71	8.94	107	50.00	
1,2,3,6,7,8-HxCDF	0.451	1.20	91	50.00	
1,2,3,7,8,9-HxCDD	0.837	2.95	112	50.00	
1,2,3,7,8,9-HxCDF	0.162	0.425	90	50.00	
1,2,3,7,8-PECDD	0.119	0.669	140	50.00	
1,2,3,7,8-PECDF	0.228	0.646	96	50.00	
2,3,4,6,7,8-HxCDF	0.890	2.20	85	50.00	
2,3,4,7,8-PECDF	0.142	0.414	98	50.00	
2,3,7,8-TCDD	0.0537	0.104	64	50.00	
2,3,7,8-TCDF	1.14 U	0.165	200	50.00	
OCDD	1100	2260	69	50.00	
OCDF	41.4	95.0	79	50.00	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-NBZ-SB-032912	1,2,3,4,6,7,8-HPCDD	JB	6.49	10.5	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	2.69	10.5	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.683	10.5	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.641	10.5	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JB	0.719	10.5	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JBQ	0.948	10.5	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JB	0.635	10.5	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JBQ	0.977	10.5	PQL	pg/L	
	1,2,3,7,8,9-HxCDF	JBQ	0.780	10.5	PQL	pg/L	
	1,2,3,7,8-PECDD	JQ	0.900	10.5	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	0.377	10.5	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JBQ	0.742	10.5	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.681	10.5	PQL	pg/L	
	OCDD	JB	19.0	21.1	PQL	pg/L	
	OCDF	JBQ	3.79	21.1	PQL	pg/L	
EB-NBZ-SS-032912	1,2,3,4,6,7,8-HPCDD	JB	7.20	11.0	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	2.11	11.0	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.358	11.0	PQL	pg/L	
	1,2,3,4,7,8-HxCDF	JBQ	0.496	11.0	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JBQ	0.569	11.0	PQL	pg/L	
	1,2,3,6,7,8-HxCDF	JB	0.314	11.0	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JB	0.466	11.0	PQL	pg/L	
	1,2,3,7,8,9-HxCDF	JBQ	0.457	11.0	PQL	pg/L	
	1,2,3,7,8-PECDD	JQ	0.341	11.0	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	0.220	11.0	PQL	pg/L	
	2,3,4,6,7,8-HxCDF	JBQ	0.320	11.0	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.700	11.0	PQL	pg/L	
	OCDD	JB	16.6	22.0	PQL	pg/L	
	OCDF	JBQ	1.08	22.0	PQL	pg/L	

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-05-NBZ-QC-032912	1,2,3,4,7,8,9-HPCDF	JB	4.44	6.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.38	6.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.26	6.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.20	6.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.95	6.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.425	6.24	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.669	6.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.646	6.24	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	2.20	6.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.414	6.24	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.104	1.25	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.165	1.25	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-025-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.30	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.497	5.46	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0950	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.112	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.156	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.246	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.142	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.327	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.105	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.142	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.200	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.156	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.144	5.46	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0340	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0899	1.09	PQL	ng/Kg	
	OCDF	JB	0.893	10.9	PQL	ng/Kg	
SL-026-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.36	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.471	5.21	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.140	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.128	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.255	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.312	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.193	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.305	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.188	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.252	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.457	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.186	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.255	5.21	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.100	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.142	1.04	PQL	ng/Kg	
	OCDF	JB	0.886	10.4	PQL	ng/Kg	
SL-027-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.08	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.302	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.319	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.410	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.695	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.337	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.538	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.221	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.304	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.611	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.338	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.391	5.72	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.106	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.336	1.14	PQL	ng/Kg	
	OCDF	JB	4.36	11.4	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-028-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.20	5.35	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.592	5.35	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.123	5.35	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0923	5.35	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.138	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.210	5.35	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.116	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.214	5.35	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.126	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0535	5.35	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.187	5.35	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.128	5.35	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.181	5.35	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0567	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0609	1.07	PQL	ng/Kg	
	OCDF	JB	1.06	10.7	PQL	ng/Kg	
SL-031-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.18	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.122	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.159	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.303	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.426	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.246	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.441	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0980	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.217	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.536	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.231	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.335	5.40	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.275	1.08	PQL	ng/Kg	
OCDF	JB	2.64	10.8	PQL	ng/Kg		
SL-033-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.27	5.43	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.588	5.43	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0798	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0968	5.43	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.160	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.215	5.43	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.115	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.269	5.43	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.114	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.242	5.43	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.332	5.43	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.131	5.43	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.386	5.43	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.280	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.176	1.09	PQL	ng/Kg	
	OCDF	JB	1.12	10.9	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-034-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.83	5.96	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.17	5.96	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.203	5.96	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.149	5.96	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.305	5.96	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.28	5.96	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.339	5.96	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.74	5.96	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.260	5.96	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.222	5.96	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.448	5.96	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.313	5.96	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.334	5.96	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0657	1.19	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.353	1.19	PQL	ng/Kg	
	OCDF	JB	2.06	11.9	PQL	ng/Kg	
SL-044-NBZ-SS-0.0-0.5	1,2,3,7,8,9-HxCDF	JB	2.65	4.95	PQL	ng/Kg	J (all detects)
SL-091-NBZ-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	5.39	6.02	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.637	6.02	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.133	6.02	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.105	6.02	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0929	6.02	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.160	6.02	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0966	6.02	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0683	6.02	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0924	6.02	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0973	6.02	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.104	6.02	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0336	1.20	PQL	ng/Kg	
OCDF	JB	1.84	12.0	PQL	ng/Kg		
SL-091-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.51	5.96	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.97	5.96	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.21	5.96	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.21	5.96	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0698	5.96	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.07	5.96	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.90	5.96	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.42	5.96	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.663	5.96	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.263	1.19	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.342	1.19	PQL	ng/Kg	
SL-092-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.71	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.255	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.600	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.71	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.451	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.837	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.162	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.119	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.228	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.890	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.142	5.72	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0537	1.14	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-107-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.98	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.04	5.37	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.163	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.116	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.293	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.270	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.216	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.312	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0861	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.149	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.464	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.278	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.253	5.37	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0376	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.271	1.07	PQL	ng/Kg	
	OCDF	JB	1.93	10.7	PQL	ng/Kg	
SL-108-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	0.604	5.29	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.164	5.29	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0691	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0296	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0629	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0336	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0334	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0643	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0301	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0767	5.29	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0624	5.29	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0463	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0526	1.06	PQL	ng/Kg	
	OCDD	JB	2.28	10.6	PQL	ng/Kg	
OCDF	JB	0.217	10.6	PQL	ng/Kg		
SL-111-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.87	6.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.238	6.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.207	6.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.558	6.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.758	6.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.424	6.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.883	6.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.190	6.24	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.227	6.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.744	6.24	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.569	6.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.673	6.24	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.596	1.25	PQL	ng/Kg	
	OCDF	JB	3.57	12.5	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-112-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.74	5.33	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.449	5.33	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0773	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0671	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.161	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.122	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.122	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.146	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0498	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0675	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.168	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDD	JBQ	0.157	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.117	5.33	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0445	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.105	1.07	PQL	ng/Kg	
	OCDF	JB	0.815	10.7	PQL	ng/Kg	
SL-113-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.62	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.454	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0813	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0412	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.153	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.194	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0997	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.277	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0814	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0663	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.170	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDD	JB	0.128	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.138	5.38	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0743	1.08	PQL	ng/Kg	
	OCDD	JB	9.20	10.8	PQL	ng/Kg	
	OCDF	JB	0.709	10.8	PQL	ng/Kg	
SL-122-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.24	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.648	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.106	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0818	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.196	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.166	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.140	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.154	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.107	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0895	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.317	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDD	JB	0.176	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.235	5.69	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0305	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.148	1.14	PQL	ng/Kg	
	OCDF	JB	1.11	11.4	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX165

Laboratory: LL

EDD Filename: DX165\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-138-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.04	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.333	5.59	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0834	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0352	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.103	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.142	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.106	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.239	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0740	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0665	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.129	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.137	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.131	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0353	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.135	1.12	PQL	ng/Kg	
	OCDD	JB	5.12	11.2	PQL	ng/Kg	
	OCDF	JB	0.554	11.2	PQL	ng/Kg	
SL-194-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.96	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.159	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.172	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.536	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.659	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.348	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.516	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.162	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.272	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.42	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.330	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.222	5.62	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.376	1.12	PQL	ng/Kg	
	OCDF	JB	5.43	11.2	PQL	ng/Kg	

# **SAMPLE DELIVERY GROUP**

**DX166**

## **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
29-Mar-2012	SL-103-NBZ-SS-0.0-0.5	6600774	N	METHOD	1613B	IV
29-Mar-2012	SL-101-NBZ-SS-0.0-0.5	6600773	N	METHOD	1613B	IV
29-Mar-2012	SL-130-NBZ-SS-0.0-0.5	6600778	N	METHOD	1613B	IV
29-Mar-2012	SL-197-NBZ-SS-0.0-0.5	6600779	N	METHOD	1613B	IV
29-Mar-2012	SL-118-NBZ-SS-0.0-0.5	6600775	N	METHOD	1613B	IV
29-Mar-2012	SL-118-NBZ-SS-0.0-0.5 MS	6600776	MS	METHOD	1613B	IV
29-Mar-2012	SL-118-NBZ-SS-0.0-0.5 MSD	6600777	MSD	METHOD	1613B	IV
29-Mar-2012	DUP-004-NBZ-QC-032912	6600780	FD	METHOD	1613B	IV
30-Mar-2012	SL-079-NBZ-SS-0.0-0.5	6600770	N	METHOD	1613B	IV
30-Mar-2012	SL-134-NBZ-SS-0.0-0.5	6600772	N	METHOD	1613B	IV
30-Mar-2012	SL-121-NBZ-SS-0.0-0.5	6600771	N	METHOD	1613B	IV
03-Apr-2012	SL-169-NBZ-SS-0.0-0.5	6605202	N	METHOD	1613B	IV
03-Apr-2012	SL-127-NBZ-SS-0.0-0.5	6605201	N	METHOD	1613B	IV
03-Apr-2012	SL-032-NBZ-SS-0.0-0.5	6607522	N	METHOD	1613B	IV
03-Apr-2012	SL-140-NBZ-SS-0.0-0.5	6607526	N	METHOD	1613B	IV
03-Apr-2012	SL-035-NBZ-SS-0.0-0.5	6607523	N	METHOD	1613B	IV
03-Apr-2012	SL-115-NBZ-SS-0.0-0.5	6607525	N	METHOD	1613B	IV
03-Apr-2012	SL-035-NBZ-SB-2.0-3.0	6607524	N	METHOD	1613B	IV
03-Apr-2012	SL-198-NBZ-SS-0.0-0.5	6607527	N	METHOD	1613B	IV
04-Apr-2012	SL-097-NBZ-SS-0.0-0.5	6607529	N	METHOD	1613B	IV
04-Apr-2012	SL-020-NBZ-SB-2.5-3.5	6607528	N	METHOD	1613B	IV

## **Attachment II**

### **Overall Data Qualification Summary**

# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

	Collected: 3/29/2012 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	2.60	JB	0.0349	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.655	JB	0.0245	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0738	JB	0.0385	MDL	5.38	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.313	JB	0.0561	MDL	5.38	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.112	JBQ	0.0411	MDL	5.38	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HxCDD	0.238	JB	0.0596	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.101	JB	0.0386	MDL	5.38	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.283	JB	0.0654	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0457	U	0.0457	MDL	5.38	PQL	ng/Kg	UJ	FD
1,2,3,7,8-PECDD	0.121	JBQ	0.0371	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.342	JB	0.0333	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.219	JB	0.0412	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.323	JB	0.0352	MDL	5.38	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0737	J	0.0447	MDL	1.08	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.148	J	0.0476	MDL	1.08	PQL	ng/Kg	J	Z, FD
OCDF	1.13	JB	0.0301	MDL	10.8	PQL	ng/Kg	J	Z

	Collected: 4/4/2012 1:40:00 PM	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.40	JB	0.0210	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.246	JB	0.0364	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.236	JB	0.0465	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.301	JB	0.0308	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.602	JB	0.0456	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.155	JB	0.0265	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.439	JB	0.0397	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.118	JB	0.0354	MDL	5.40	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.132	JB	0.0309	MDL	5.40	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.243	JBQ	0.0246	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.213	JB	0.0290	MDL	5.40	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.136	JB	0.0246	MDL	5.40	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-020-NBZ-SB-2.5-3.5			Collected: 4/4/2012 1:40:00 PM				Analysis Type: RES		Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
2,3,7,8-TCDD	0.0544	J	0.0329	MDL	1.08	PQL	ng/Kg	J	Z	
OCDF	6.80	JB	0.0346	MDL	10.8	PQL	ng/Kg	J	Z	

Sample ID: SL-032-NBZ-SS-0.0-0.5			Collected: 4/3/2012 2:00:00 PM				Analysis Type: RES		Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
1,2,3,4,6,7,8-HPCDD	2.91	JB	0.0307	MDL	5.51	PQL	ng/Kg	J	Z	
1,2,3,4,6,7,8-HPCDF	0.775	JB	0.0217	MDL	5.51	PQL	ng/Kg	J	Z	
1,2,3,4,7,8,9-HPCDF	0.120	JB	0.0323	MDL	5.51	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.114	JBQ	0.0480	MDL	5.51	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDF	0.207	JB	0.0439	MDL	5.51	PQL	ng/Kg	U	B	
1,2,3,6,7,8-HxCDD	1.34	JB	0.0521	MDL	5.51	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDF	0.236	JB	0.0393	MDL	5.51	PQL	ng/Kg	U	B	
1,2,3,7,8,9-HxCDD	1.72	JB	0.0439	MDL	5.51	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDF	0.305	JB	0.0465	MDL	5.51	PQL	ng/Kg	J	Z	
1,2,3,7,8-PECDD	0.251	JB	0.0430	MDL	5.51	PQL	ng/Kg	J	Z	
1,2,3,7,8-PECDF	0.421	JB	0.0339	MDL	5.51	PQL	ng/Kg	U	B	
2,3,4,6,7,8-HxCDF	0.245	JB	0.0413	MDL	5.51	PQL	ng/Kg	U	B	
2,3,4,7,8-PECDF	0.479	JB	0.0348	MDL	5.51	PQL	ng/Kg	U	B	
2,3,7,8-TCDD	0.0428	J	0.0348	MDL	1.10	PQL	ng/Kg	J	Z	
2,3,7,8-TCDF	0.166	J	0.0562	MDL	1.10	PQL	ng/Kg	J	Z	
OCDF	1.30	JB	0.0276	MDL	11.0	PQL	ng/Kg	J	Z	

Sample ID: SL-035-NBZ-SB-2.0-3.0			Collected: 4/3/2012 2:40:00 PM				Analysis Type: RES		Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code	
1,2,3,4,6,7,8-HPCDD	0.342	JB	0.0225	MDL	4.97	PQL	ng/Kg	U	B	
1,2,3,4,6,7,8-HPCDF	0.0711	JB	0.0105	MDL	4.97	PQL	ng/Kg	U	B	
1,2,3,4,7,8,9-HPCDF	0.0400	JB	0.0209	MDL	4.97	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.210	JB	0.0237	MDL	4.97	PQL	ng/Kg	J	Z	
1,2,3,4,7,8-HxCDF	0.0940	JB	0.0168	MDL	4.97	PQL	ng/Kg	U	B	
1,2,3,6,7,8-HxCDD	0.176	JB	0.0251	MDL	4.97	PQL	ng/Kg	U	B	

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-035-NBZ-SB-2.0-3.0      Collected: 4/3/2012 2:40:00 PM      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.0749	JB	0.0149	MDL	4.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.152	JB	0.0251	MDL	4.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0926	JB	0.0204	MDL	4.97	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0902	JB	0.0290	MDL	4.97	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.200	JB	0.0158	MDL	4.97	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.163	JBQ	0.0176	MDL	4.97	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.135	JB	0.0164	MDL	4.97	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.118	J	0.0289	MDL	0.994	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0585	J	0.0225	MDL	0.994	PQL	ng/Kg	J	Z
OCDD	0.685	JB	0.0284	MDL	9.94	PQL	ng/Kg	U	B
OCDF	0.148	JB	0.0247	MDL	9.94	PQL	ng/Kg	U	B

Sample ID: SL-035-NBZ-SS-0.0-0.5      Collected: 4/3/2012 2:30:00 PM      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.86	JB	0.0253	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.524	JB	0.0390	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.157	JB	0.0516	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.286	JB	0.0344	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.636	JB	0.0546	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.213	JB	0.0313	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.481	JB	0.0464	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0829	JB	0.0377	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.153	JB	0.0401	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.343	JB	0.0339	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.294	JB	0.0330	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.405	JB	0.0366	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0634	J	0.0390	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.165	JQ	0.0544	MDL	1.10	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-079-NBZ-SS-0.0-0.5	Collected: 3/30/2012 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	2.50	JB	0.0284	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.678	JB	0.0184	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.111	JB	0.0271	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.162	JB	0.0425	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.247	JB	0.0357	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.219	JB	0.0433	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.135	JB	0.0322	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.259	JB	0.0411	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.176	JB	0.0358	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.109	JB	0.0395	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.304	JB	0.0365	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.286	JB	0.0329	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.512	JB	0.0379	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0712	J	0.0490	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.143	J	0.0574	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	1.19	JB	0.0249	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-097-NBZ-SS-0.0-0.5	Collected: 4/4/2012 9:14:00 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	3.71	JB	0.0323	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.718	JB	0.0197	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0811	JB	0.0318	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0796	JBQ	0.0369	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.266	JB	0.0263	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.245	JB	0.0357	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.198	JB	0.0238	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.198	JB	0.0304	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0809	JB	0.0305	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.278	JB	0.0353	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.260	JB	0.0250	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.658	JB	0.0349	MDL	5.21	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-097-NBZ-SS-0.0-0.5      Collected: 4/4/2012 9:14:00 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	0.0590	JQ	0.0360	MDL	1.04	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.241	J	0.0711	MDL	1.04	PQL	ng/Kg	J	Z
OCDF	1.30	JB	0.0282	MDL	10.4	PQL	ng/Kg	J	Z

Sample ID: SL-101-NBZ-SS-0.0-0.5      Collected: 3/29/2012 10:05:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.67	JB	0.0306	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.33	JB	0.0220	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.138	JB	0.0317	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.190	JB	0.0484	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.303	JB	0.0333	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.440	JB	0.0498	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.224	JB	0.0299	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.468	JB	0.0491	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0980	JB	0.0360	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.252	JB	0.0418	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.419	JB	0.0377	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.315	JB	0.0337	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.720	JB	0.0361	MDL	5.48	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0736	J	0.0394	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.342	J	0.0790	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	3.93	JB	0.0322	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-103-NBZ-SS-0.0-0.5      Collected: 3/29/2012 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	2.91	JB	0.0297	MDL	5.62	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.614	JB	0.0207	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.126	JB	0.0319	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0870	JB	0.0360	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.250	JB	0.0291	MDL	5.62	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-103-NBZ-SS-0.0-0.5 Collected: 3/29/2012 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	0.199	JB	0.0373	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.172	JB	0.0273	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.203	JB	0.0314	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0708	JB	0.0313	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.193	JB	0.0327	MDL	5.62	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.398	JB	0.0335	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.212	JB	0.0281	MDL	5.62	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.538	JB	0.0323	MDL	5.62	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0931	J	0.0388	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.235	J	0.0613	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	1.09	JB	0.0286	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-115-NBZ-SS-0.0-0.5 Collected: 4/3/2012 2:32:00 PM Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.69	JB	0.0307	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.791	JB	0.0186	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.120	JB	0.0306	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.158	JB	0.0406	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.285	JB	0.0380	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.312	JB	0.0414	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.216	JB	0.0334	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.223	JB	0.0396	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0482	JB	0.0426	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.128	JB	0.0276	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.391	JB	0.0344	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.263	JB	0.0366	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.581	JB	0.0340	MDL	5.49	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.101	J	0.0269	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.145	J	0.0538	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	1.66	JB	0.0273	MDL	11.0	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-118-NBZ-SS-0.0-0.5 Collected: 3/29/2012 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	2.70	JB	0.0298	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.718	JB	0.0181	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.143	JB	0.0302	MDL	5.47	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.100	JB	0.0422	MDL	5.47	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HXCDF	0.331	JB	0.0309	MDL	5.47	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HxCDD	0.386	JB	0.0436	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.193	JB	0.0287	MDL	5.47	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.372	JB	0.0373	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.200	JB	0.0351	MDL	5.47	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDD	0.194	JB	0.0405	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.487	JB	0.0289	MDL	5.47	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.231	JB	0.0319	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.401	JB	0.0277	MDL	5.47	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0407	J	0.0325	MDL	1.09	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.269	J	0.0443	MDL	1.09	PQL	ng/Kg	J	Z, FD
OCDF	1.15	JB	0.0256	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-121-NBZ-SS-0.0-0.5 Collected: 3/30/2012 11:10:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.26	JB	0.0350	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.370	JB	0.0305	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.149	JB	0.0445	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0871	JBQ	0.0328	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.130	JB	0.0249	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.102	JB	0.0325	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0748	JB	0.0232	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0988	JB	0.0286	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0343	JB	0.0268	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.219	JB	0.0299	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.173	JB	0.0237	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.260	JB	0.0302	MDL	5.38	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-121-NBZ-SS-0.0-0.5	Collected: 3/30/2012 11:10:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.111	J	0.0478	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.140	J	0.0460	MDL	1.08	PQL	ng/Kg	J	Z
OCDD	5.42	JB	0.0346	MDL	10.8	PQL	ng/Kg	J	Z
OCDF	0.657	JB	0.0347	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-127-NBZ-SS-0.0-0.5	Collected: 4/3/2012 10:10:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.03	JB	0.0254	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.226	JB	0.0149	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0595	JB	0.0268	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0642	JB	0.0230	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.171	JB	0.0209	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.106	JB	0.0252	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0725	JB	0.0178	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0928	JB	0.0206	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0522	JB	0.0221	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0726	JB	0.0199	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0694	JBQ	0.0192	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.169	JB	0.0198	MDL	5.31	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0889	J	0.0326	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	4.98	JB	0.0228	MDL	10.6	PQL	ng/Kg	J	Z
OCDF	0.397	JB	0.0244	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-130-NBZ-SS-0.0-0.5	Collected: 3/29/2012 10:35:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.886	JB	0.0157	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.320	JB	0.0104	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0836	JB	0.0153	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.111	JB	0.0215	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.206	JB	0.0181	MDL	5.25	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-130-NBZ-SS-0.0-0.5			Collected: 3/29/2012 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	
1,2,3,6,7,8-HXCDD	0.155	JB	0.0228	MDL	5.25	PQL	ng/Kg	U	B	
1,2,3,6,7,8-HXCDF	0.162	JB	0.0161	MDL	5.25	PQL	ng/Kg	U	B	
1,2,3,7,8,9-HXCDD	0.132	JB	0.0213	MDL	5.25	PQL	ng/Kg	U	B	
1,2,3,7,8,9-HXCDF	0.100	JB	0.0193	MDL	5.25	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDD	0.185	JB	0.0268	MDL	5.25	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDF	0.306	JB	0.0206	MDL	5.25	PQL	ng/Kg	U	B	
2,3,4,6,7,8-HXCDF	0.136	JB	0.0180	MDL	5.25	PQL	ng/Kg	U	B	
2,3,4,7,8-PECDF	0.424	JB	0.0200	MDL	5.25	PQL	ng/Kg	U	B	
2,3,7,8-TCDD	0.0628	JQ	0.0242	MDL	1.05	PQL	ng/Kg	J	Z	
2,3,7,8-TCDF	0.102	J	0.0321	MDL	1.05	PQL	ng/Kg	J	Z	
OCDD	4.85	JB	0.0183	MDL	10.5	PQL	ng/Kg	J	Z	
OCDF	0.527	JB	0.0168	MDL	10.5	PQL	ng/Kg	U	B	

Sample ID: SL-134-NBZ-SS-0.0-0.5			Collected: 3/30/2012 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	4.16	JB	0.0368	MDL	5.31	PQL	ng/Kg	J	Z	
1,2,3,4,6,7,8-HPCDF	1.01	JB	0.0279	MDL	5.31	PQL	ng/Kg	J	Z	
1,2,3,4,7,8,9-HPCDF	0.0922	JB	0.0381	MDL	5.31	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.155	JB	0.0378	MDL	5.31	PQL	ng/Kg	J	Z	
1,2,3,4,7,8-HXCDF	0.224	JB	0.0294	MDL	5.31	PQL	ng/Kg	U	B	
1,2,3,6,7,8-HXCDD	0.232	JB	0.0395	MDL	5.31	PQL	ng/Kg	U	B	
1,2,3,6,7,8-HXCDF	0.203	JB	0.0280	MDL	5.31	PQL	ng/Kg	U	B	
1,2,3,7,8,9-HXCDD	0.218	JB	0.0335	MDL	5.31	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDD	0.120	JB	0.0261	MDL	5.31	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDF	0.300	JB	0.0449	MDL	5.31	PQL	ng/Kg	U	B	
2,3,4,6,7,8-HXCDF	0.221	JB	0.0299	MDL	5.31	PQL	ng/Kg	U	B	
2,3,4,7,8-PECDF	0.953	JB	0.0412	MDL	5.31	PQL	ng/Kg	J	Z	
2,3,7,8-TCDF	0.208	J	0.0912	MDL	1.06	PQL	ng/Kg	J	Z	
OCDF	1.86	JB	0.0197	MDL	10.6	PQL	ng/Kg	J	Z	

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-140-NBZ-SS-0.0-0.5      Collected: 4/3/2012 2:06:00 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	JB	0.0332	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.03	JB	0.0207	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.179	JB	0.0364	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.132	JB	0.0486	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.336	JB	0.0391	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.293	JB	0.0479	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.216	JB	0.0346	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.281	JB	0.0475	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.113	JB	0.0435	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.161	JB	0.0377	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.410	JB	0.0359	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.308	JB	0.0377	MDL	5.56	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.798	JB	0.0367	MDL	5.56	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0389	J	0.0352	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.216	J	0.0643	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	2.09	JB	0.0289	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-169-NBZ-SS-0.0-0.5      Collected: 4/3/2012 9:11:00 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	4.29	JB	0.0251	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.751	JB	0.0162	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.109	JB	0.0246	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.143	JB	0.0347	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.202	JB	0.0255	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.290	JB	0.0349	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.128	JB	0.0232	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.323	JB	0.0316	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0802	JB	0.0261	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.141	JB	0.0306	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.218	JB	0.0293	MDL	5.55	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.200	JB	0.0242	MDL	5.55	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

**Sample ID:** SL-169-NBZ-SS-0.0-0.5 **Collected:** 4/3/2012 9:11:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.422	JB	0.0290	MDL	5.55	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.151	J	0.0501	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	1.66	JB	0.0215	MDL	11.1	PQL	ng/Kg	J	Z

**Sample ID:** SL-197-NBZ-SS-0.0-0.5 **Collected:** 3/29/2012 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	1.36	JB	0.0328	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.270	JB	0.0465	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.263	JB	0.0663	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.519	JB	0.0508	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.462	JB	0.0689	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.351	JB	0.0489	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.399	JB	0.0615	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.242	JB	0.0535	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.266	JB	0.0487	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.852	JB	0.0560	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.420	JB	0.0480	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.33	JB	0.0536	MDL	5.73	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.508	J	0.0961	MDL	1.15	PQL	ng/Kg	J	Z
OCDF	2.79	JB	0.0338	MDL	11.5	PQL	ng/Kg	J	Z

**Sample ID:** SL-198-NBZ-SS-0.0-0.5 **Collected:** 4/3/2012 3:26:00 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	1.05	JB	0.0348	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.307	JB	0.0175	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0872	JB	0.0281	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0574	JB	0.0315	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.204	JB	0.0261	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0877	JB	0.0336	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.109	JB	0.0238	MDL	5.21	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

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

Collected: 4/3/2012 3:26:00 PM Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	0.128	JB	0.0288	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0288	JB	0.0261	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0500	JBQ	0.0295	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.107	JB	0.0253	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.119	JB	0.0250	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.224	JB	0.0260	MDL	5.21	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0715	JQ	0.0411	MDL	1.04	PQL	ng/Kg	J	Z
OCDD	5.91	JB	0.0325	MDL	10.4	PQL	ng/Kg	J	Z
OCDF	0.509	JBQ	0.0315	MDL	10.4	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

## Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
B	Method Blank Contamination
FD	Field Duplicate Precision
Z	Reporting Limit Trace Value

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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## **Enclosure I**

### **Level III ADR Outliers (including Manual Review Outliers)**

# Quality Control Outlier Reports

DX166

# Method Blank Outlier Report

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1030B372035	4/13/2012 8:35:00 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	0.498 ng/Kg 0.143 ng/Kg 0.0810 ng/Kg 0.0299 ng/Kg 0.0599 ng/Kg 0.104 ng/Kg 0.0799 ng/Kg 0.0587 ng/Kg 0.0229 ng/Kg 0.0493 ng/Kg 0.0922 ng/Kg 0.0864 ng/Kg 0.131 ng/Kg 0.514 ng/Kg 0.114 ng/Kg	DUP-004-NBZ-QC-032912 SL-020-NBZ-SB-2.5-3.5 SL-032-NBZ-SS-0.0-0.5 SL-035-NBZ-SB-2.0-3.0 SL-035-NBZ-SS-0.0-0.5 SL-079-NBZ-SS-0.0-0.5 SL-097-NBZ-SS-0.0-0.5 SL-101-NBZ-SS-0.0-0.5 SL-103-NBZ-SS-0.0-0.5 SL-115-NBZ-SS-0.0-0.5 SL-118-NBZ-SS-0.0-0.5 SL-121-NBZ-SS-0.0-0.5 SL-127-NBZ-SS-0.0-0.5 SL-130-NBZ-SS-0.0-0.5 SL-134-NBZ-SS-0.0-0.5 SL-140-NBZ-SS-0.0-0.5 SL-169-NBZ-SS-0.0-0.5 SL-197-NBZ-SS-0.0-0.5 SL-198-NBZ-SS-0.0-0.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP-004-NBZ-QC-032912(RES)	1,2,3,4,6,7,8-HPCDF	0.655 ng/Kg	0.655U ng/Kg
DUP-004-NBZ-QC-032912(RES)	1,2,3,4,7,8,9-HPCDF	0.0738 ng/Kg	0.0738U ng/Kg
DUP-004-NBZ-QC-032912(RES)	1,2,3,4,7,8-HXCDF	0.112 ng/Kg	0.112U ng/Kg
DUP-004-NBZ-QC-032912(RES)	1,2,3,6,7,8-HXCDD	0.238 ng/Kg	0.238U ng/Kg
DUP-004-NBZ-QC-032912(RES)	1,2,3,6,7,8-HXCDF	0.101 ng/Kg	0.101U ng/Kg
DUP-004-NBZ-QC-032912(RES)	1,2,3,7,8,9-HXCDD	0.283 ng/Kg	0.283U ng/Kg
DUP-004-NBZ-QC-032912(RES)	1,2,3,7,8-PECDD	0.121 ng/Kg	0.121U ng/Kg
DUP-004-NBZ-QC-032912(RES)	1,2,3,7,8-PECDF	0.342 ng/Kg	0.342U ng/Kg
DUP-004-NBZ-QC-032912(RES)	2,3,4,6,7,8-HXCDF	0.219 ng/Kg	0.219U ng/Kg
DUP-004-NBZ-QC-032912(RES)	2,3,4,7,8-PECDF	0.323 ng/Kg	0.323U ng/Kg
SL-020-NBZ-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.246 ng/Kg	0.246U ng/Kg
SL-020-NBZ-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.155 ng/Kg	0.155U ng/Kg
SL-020-NBZ-SB-2.5-3.5(RES)	1,2,3,7,8-PECDD	0.132 ng/Kg	0.132U ng/Kg
SL-020-NBZ-SB-2.5-3.5(RES)	1,2,3,7,8-PECDF	0.243 ng/Kg	0.243U ng/Kg
SL-020-NBZ-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.213 ng/Kg	0.213U ng/Kg
SL-020-NBZ-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.136 ng/Kg	0.136U ng/Kg
SL-032-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.120 ng/Kg	0.120U ng/Kg
SL-032-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.114 ng/Kg	0.114U ng/Kg
SL-032-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.207 ng/Kg	0.207U ng/Kg
SL-032-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.236 ng/Kg	0.236U ng/Kg
SL-032-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.421 ng/Kg	0.421U ng/Kg
SL-032-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.245 ng/Kg	0.245U ng/Kg
SL-032-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.479 ng/Kg	0.479U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.342 ng/Kg	0.342U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0711 ng/Kg	0.0711U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method:</b>	<b>1613B</b>
<b>Matrix:</b>	<b>SO</b>

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The following samples and their listed target analytes were qualified due to contamination reported in this blank*

Sample ID	Analyte	Reported Result	Modified Final Result
SL-035-NBZ-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0400 ng/Kg	0.0400U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.0940 ng/Kg	0.0940U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDD	0.176 ng/Kg	0.176U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.0749 ng/Kg	0.0749U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDD	0.152 ng/Kg	0.152U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.0926 ng/Kg	0.0926U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	1,2,3,7,8-PECDD	0.0902 ng/Kg	0.0902U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	1,2,3,7,8-PECDF	0.200 ng/Kg	0.200U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.163 ng/Kg	0.163U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	2,3,4,7,8-PECDF	0.135 ng/Kg	0.135U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	OCDD	0.685 ng/Kg	0.685U ng/Kg
SL-035-NBZ-SB-2.0-3.0(RES)	OCDF	0.148 ng/Kg	0.148U ng/Kg
SL-035-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.286 ng/Kg	0.286U ng/Kg
SL-035-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.213 ng/Kg	0.213U ng/Kg
SL-035-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0829 ng/Kg	0.0829U ng/Kg
SL-035-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.153 ng/Kg	0.153U ng/Kg
SL-035-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.343 ng/Kg	0.343U ng/Kg
SL-035-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.294 ng/Kg	0.294U ng/Kg
SL-035-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.405 ng/Kg	0.405U ng/Kg
SL-079-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.678 ng/Kg	0.678U ng/Kg
SL-079-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.111 ng/Kg	0.111U ng/Kg
SL-079-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.247 ng/Kg	0.247U ng/Kg
SL-079-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.219 ng/Kg	0.219U ng/Kg
SL-079-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.135 ng/Kg	0.135U ng/Kg
SL-079-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.259 ng/Kg	0.259U ng/Kg
SL-079-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.109 ng/Kg	0.109U ng/Kg
SL-079-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.304 ng/Kg	0.304U ng/Kg
SL-079-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.286 ng/Kg	0.286U ng/Kg
SL-079-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.512 ng/Kg	0.512U ng/Kg
SL-097-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0811 ng/Kg	0.0811U ng/Kg
SL-097-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0796 ng/Kg	0.0796U ng/Kg
SL-097-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.266 ng/Kg	0.266U ng/Kg
SL-097-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.245 ng/Kg	0.245U ng/Kg
SL-097-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.198 ng/Kg	0.198U ng/Kg
SL-097-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.198 ng/Kg	0.198U ng/Kg
SL-097-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0809 ng/Kg	0.0809U ng/Kg
SL-097-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.278 ng/Kg	0.278U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method:</b>	<b>1613B</b>
<b>Matrix:</b>	<b>SO</b>

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-097-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.260 ng/Kg	0.260U ng/Kg
SL-101-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.138 ng/Kg	0.138U ng/Kg
SL-101-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.440 ng/Kg	0.440U ng/Kg
SL-101-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.224 ng/Kg	0.224U ng/Kg
SL-101-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0980 ng/Kg	0.0980U ng/Kg
SL-101-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.419 ng/Kg	0.419U ng/Kg
SL-101-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.315 ng/Kg	0.315U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.614 ng/Kg	0.614U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.126 ng/Kg	0.126U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0870 ng/Kg	0.0870U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.250 ng/Kg	0.250U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.199 ng/Kg	0.199U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.172 ng/Kg	0.172U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.203 ng/Kg	0.203U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0708 ng/Kg	0.0708U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.193 ng/Kg	0.193U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.398 ng/Kg	0.398U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.212 ng/Kg	0.212U ng/Kg
SL-103-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.538 ng/Kg	0.538U ng/Kg
SL-115-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.120 ng/Kg	0.120U ng/Kg
SL-115-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.285 ng/Kg	0.285U ng/Kg
SL-115-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.312 ng/Kg	0.312U ng/Kg
SL-115-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.216 ng/Kg	0.216U ng/Kg
SL-115-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.223 ng/Kg	0.223U ng/Kg
SL-115-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0482 ng/Kg	0.0482U ng/Kg
SL-115-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.128 ng/Kg	0.128U ng/Kg
SL-115-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.391 ng/Kg	0.391U ng/Kg
SL-115-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.263 ng/Kg	0.263U ng/Kg
SL-115-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.581 ng/Kg	0.581U ng/Kg
SL-118-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.143 ng/Kg	0.143U ng/Kg
SL-118-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.100 ng/Kg	0.100U ng/Kg
SL-118-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.386 ng/Kg	0.386U ng/Kg
SL-118-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.193 ng/Kg	0.193U ng/Kg
SL-118-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.194 ng/Kg	0.194U ng/Kg
SL-118-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.231 ng/Kg	0.231U ng/Kg
SL-118-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.401 ng/Kg	0.401U ng/Kg
SL-121-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.26 ng/Kg	1.26U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The following samples and their listed target analytes were qualified due to contamination reported in this blank*

Sample ID	Analyte	Reported Result	Modified Final Result
SL-121-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.370 ng/Kg	0.370U ng/Kg
SL-121-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.149 ng/Kg	0.149U ng/Kg
SL-121-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0871 ng/Kg	0.0871U ng/Kg
SL-121-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.130 ng/Kg	0.130U ng/Kg
SL-121-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.102 ng/Kg	0.102U ng/Kg
SL-121-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0748 ng/Kg	0.0748U ng/Kg
SL-121-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.0988 ng/Kg	0.0988U ng/Kg
SL-121-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0343 ng/Kg	0.0343U ng/Kg
SL-121-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.219 ng/Kg	0.219U ng/Kg
SL-121-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.173 ng/Kg	0.173U ng/Kg
SL-121-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.260 ng/Kg	0.260U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.03 ng/Kg	1.03U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.226 ng/Kg	0.226U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0595 ng/Kg	0.0595U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0642 ng/Kg	0.0642U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.171 ng/Kg	0.171U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.106 ng/Kg	0.106U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0725 ng/Kg	0.0725U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.0928 ng/Kg	0.0928U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0522 ng/Kg	0.0522U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0726 ng/Kg	0.0726U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0694 ng/Kg	0.0694U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.169 ng/Kg	0.169U ng/Kg
SL-127-NBZ-SS-0.0-0.5(RES)	OCDF	0.397 ng/Kg	0.397U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	0.886 ng/Kg	0.886U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.320 ng/Kg	0.320U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0836 ng/Kg	0.0836U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.111 ng/Kg	0.111U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.206 ng/Kg	0.206U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.155 ng/Kg	0.155U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.162 ng/Kg	0.162U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.132 ng/Kg	0.132U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.100 ng/Kg	0.100U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.185 ng/Kg	0.185U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.306 ng/Kg	0.306U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.136 ng/Kg	0.136U ng/Kg
SL-130-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.424 ng/Kg	0.424U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-130-NBZ-SS-0.0-0.5(RES)	OCDF	0.527 ng/Kg	0.527U ng/Kg
SL-134-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0922 ng/Kg	0.0922U ng/Kg
SL-134-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.224 ng/Kg	0.224U ng/Kg
SL-134-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.232 ng/Kg	0.232U ng/Kg
SL-134-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.203 ng/Kg	0.203U ng/Kg
SL-134-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.218 ng/Kg	0.218U ng/Kg
SL-134-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.120 ng/Kg	0.120U ng/Kg
SL-134-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.300 ng/Kg	0.300U ng/Kg
SL-134-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.221 ng/Kg	0.221U ng/Kg
SL-140-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.179 ng/Kg	0.179U ng/Kg
SL-140-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.132 ng/Kg	0.132U ng/Kg
SL-140-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.293 ng/Kg	0.293U ng/Kg
SL-140-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.216 ng/Kg	0.216U ng/Kg
SL-140-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.281 ng/Kg	0.281U ng/Kg
SL-140-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.113 ng/Kg	0.113U ng/Kg
SL-140-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.161 ng/Kg	0.161U ng/Kg
SL-140-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.410 ng/Kg	0.410U ng/Kg
SL-140-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.308 ng/Kg	0.308U ng/Kg
SL-169-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.109 ng/Kg	0.109U ng/Kg
SL-169-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.143 ng/Kg	0.143U ng/Kg
SL-169-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.202 ng/Kg	0.202U ng/Kg
SL-169-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.290 ng/Kg	0.290U ng/Kg
SL-169-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.128 ng/Kg	0.128U ng/Kg
SL-169-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0802 ng/Kg	0.0802U ng/Kg
SL-169-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.141 ng/Kg	0.141U ng/Kg
SL-169-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.218 ng/Kg	0.218U ng/Kg
SL-169-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.200 ng/Kg	0.200U ng/Kg
SL-169-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.422 ng/Kg	0.422U ng/Kg
SL-197-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.270 ng/Kg	0.270U ng/Kg
SL-197-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.462 ng/Kg	0.462U ng/Kg
SL-197-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.351 ng/Kg	0.351U ng/Kg
SL-197-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.420 ng/Kg	0.420U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.05 ng/Kg	1.05U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.307 ng/Kg	0.307U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0872 ng/Kg	0.0872U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0574 ng/Kg	0.0574U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.204 ng/Kg	0.204U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.0877 ng/Kg	0.0877U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.109 ng/Kg	0.109U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.128 ng/Kg	0.128U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0288 ng/Kg	0.0288U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0500 ng/Kg	0.0500U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.107 ng/Kg	0.107U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.119 ng/Kg	0.119U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.224 ng/Kg	0.224U ng/Kg
SL-198-NBZ-SS-0.0-0.5(RES)	OCDF	0.509 ng/Kg	0.509U ng/Kg

# Field Duplicate RPD Report

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 160.3M

**Matrix:** SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-118-NBZ-SS-0.0-0.5	DUP-004-NBZ-QC-032912			
MOISTURE	9.0	8.6	5		No Qualifiers Applied

**Method:** 1613B

**Matrix:** SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-118-NBZ-SS-0.0-0.5	DUP-004-NBZ-QC-032912			
1,2,3,4,6,7,8-HPCDD	2.70	2.60	4	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	0.718	0.655	9	50.00	
1,2,3,6,7,8-HXCDD	0.386	0.238	47	50.00	
1,2,3,7,8,9-HXCDD	0.372	0.283	27	50.00	
1,2,3,7,8-PECDD	0.194	0.121	46	50.00	
1,2,3,7,8-PECDF	0.487	0.342	35	50.00	
2,3,4,6,7,8-HXCDF	0.231	0.219	5	50.00	
2,3,4,7,8-PECDF	0.401	0.323	22	50.00	
OCDD	21.9	17.3	23	50.00	
OCDF	1.15	1.13	2	50.00	
1,2,3,4,7,8,9-HPCDF	0.143	0.0738	64	50.00	J(all detects)
1,2,3,4,7,8-HxCDD	0.100	0.313	103	50.00	
1,2,3,4,7,8-HXCDF	0.331	0.112	99	50.00	
1,2,3,6,7,8-HXCDF	0.193	0.101	63	50.00	
2,3,7,8-TCDD	0.0407	0.0737	58	50.00	
2,3,7,8-TCDF	0.269	0.148	58	50.00	
1,2,3,7,8,9-HXCDF	0.200	5.38 U	200	50.00	J(all detects) UJ(all non-detects)

# Reporting Limit Outliers

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-004-NBZ-QC-032912	1,2,3,4,6,7,8-HPCDD	JB	2.60	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.655	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0738	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.313	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.112	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.238	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.101	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.283	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.121	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.342	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.219	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.323	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0737	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.148	1.08	PQL	ng/Kg	
OCDF	JB	1.13	10.8	PQL	ng/Kg		
SL-020-NBZ-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDF	JB	2.40	5.40	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.246	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.236	5.40	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.301	5.40	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.602	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	JB	0.439	5.40	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.118	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.132	5.40	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.243	5.40	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.213	5.40	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.136	5.40	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0544	1.08	PQL	ng/Kg	
	OCDF	JB	6.80	10.8	PQL	ng/Kg	
SL-032-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.91	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.775	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.120	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.114	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.207	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.34	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.236	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.72	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.305	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.251	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.421	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.245	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.479	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0428	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.166	1.10	PQL	ng/Kg	
	OCDF	JB	1.30	11.0	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-035-NBZ-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JB	0.342	4.97	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0711	4.97	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0400	4.97	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.210	4.97	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0940	4.97	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.176	4.97	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0749	4.97	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.152	4.97	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0926	4.97	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0902	4.97	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.200	4.97	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.163	4.97	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.135	4.97	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.118	0.994	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0585	0.994	PQL	ng/Kg	
	OCDD	JB	0.685	9.94	PQL	ng/Kg	
	OCDF	JB	0.148	9.94	PQL	ng/Kg	
	SL-035-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.86	5.51	PQL	
1,2,3,4,7,8,9-HPCDF		JB	0.524	5.51	PQL	ng/Kg	
1,2,3,4,7,8-HxCDD		JB	0.157	5.51	PQL	ng/Kg	
1,2,3,4,7,8-HxCDF		JB	0.286	5.51	PQL	ng/Kg	
1,2,3,6,7,8-HxCDD		JB	0.636	5.51	PQL	ng/Kg	
1,2,3,6,7,8-HxCDF		JB	0.213	5.51	PQL	ng/Kg	
1,2,3,7,8,9-HxCDD		JB	0.481	5.51	PQL	ng/Kg	
1,2,3,7,8,9-HxCDF		JB	0.0829	5.51	PQL	ng/Kg	
1,2,3,7,8-PECDD		JB	0.153	5.51	PQL	ng/Kg	
1,2,3,7,8-PECDF		JB	0.343	5.51	PQL	ng/Kg	
2,3,4,6,7,8-HxCDF		JB	0.294	5.51	PQL	ng/Kg	
2,3,4,7,8-PECDF		JB	0.405	5.51	PQL	ng/Kg	
2,3,7,8-TCDD		J	0.0634	1.10	PQL	ng/Kg	
2,3,7,8-TCDF		JQ	0.165	1.10	PQL	ng/Kg	
SL-079-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.50	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.678	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.111	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.162	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.247	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.219	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.135	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.259	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.176	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.109	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.304	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.286	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.512	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0712	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.143	1.12	PQL	ng/Kg	
OCDF	JB	1.19	11.2	PQL	ng/Kg		

## Reporting Limit Outliers

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-097-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.71	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.718	5.21	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0811	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0796	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.266	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.245	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.198	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.198	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0809	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.278	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.260	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.658	5.21	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0590	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.241	1.04	PQL	ng/Kg	
	OCDF	JB	1.30	10.4	PQL	ng/Kg	
SL-101-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.67	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.33	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.138	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.190	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.303	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.440	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.224	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.468	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0980	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.252	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.419	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.315	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.720	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0736	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.342	1.10	PQL	ng/Kg	
OCDF	JB	3.93	11.0	PQL	ng/Kg		
SL-103-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.91	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.614	5.62	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.126	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0870	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.250	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.199	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.172	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.203	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0708	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.193	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.398	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.212	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.538	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0931	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.235	1.12	PQL	ng/Kg	
OCDF	JB	1.09	11.2	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-115-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.69	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.791	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.120	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.158	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.285	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.312	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.216	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.223	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0482	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.128	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.391	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.263	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.581	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.101	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.145	1.10	PQL	ng/Kg	
	OCDF	JB	1.66	11.0	PQL	ng/Kg	
SL-118-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.70	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.718	5.47	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.143	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.100	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.331	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.386	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.193	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.372	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.200	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.194	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.487	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.231	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.401	5.47	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0407	1.09	PQL	ng/Kg	
2,3,7,8-TCDF	J	0.269	1.09	PQL	ng/Kg		
OCDF	JB	1.15	10.9	PQL	ng/Kg		
SL-121-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.26	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.370	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.149	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0871	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.130	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.102	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0748	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0988	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0343	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.219	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.173	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.260	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.111	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.140	1.08	PQL	ng/Kg	
	OCDD	JB	5.42	10.8	PQL	ng/Kg	
OCDF	JB	0.657	10.8	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-127-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.03	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.226	5.31	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0595	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0642	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.171	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.106	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0725	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0928	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0522	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0726	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0694	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.169	5.31	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0889	1.06	PQL	ng/Kg	
	OCDD	JB	4.98	10.6	PQL	ng/Kg	
	OCDF	JB	0.397	10.6	PQL	ng/Kg	
SL-130-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	0.886	5.25	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.320	5.25	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0836	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.111	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.206	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.155	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.162	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.132	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.100	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.185	5.25	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.306	5.25	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.136	5.25	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.424	5.25	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0628	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.102	1.05	PQL	ng/Kg	
OCDD	JB	4.85	10.5	PQL	ng/Kg		
OCDF	JB	0.527	10.5	PQL	ng/Kg		
SL-134-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.16	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.01	5.31	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0922	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.155	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.224	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.232	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.203	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.218	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.120	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.300	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.221	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.953	5.31	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.208	1.06	PQL	ng/Kg	
	OCDF	JB	1.86	10.6	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-140-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.40	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.03	5.56	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.179	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.132	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.336	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.293	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.216	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.281	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.113	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.161	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.410	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.308	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.798	5.56	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0389	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.216	1.11	PQL	ng/Kg	
	OCDF	JB	2.09	11.1	PQL	ng/Kg	
	SL-169-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.29	5.55	PQL	
1,2,3,4,6,7,8-HPCDF		JB	0.751	5.55	PQL	ng/Kg	
1,2,3,4,7,8,9-HPCDF		JB	0.109	5.55	PQL	ng/Kg	
1,2,3,4,7,8-HxCDD		JB	0.143	5.55	PQL	ng/Kg	
1,2,3,4,7,8-HxCDF		JB	0.202	5.55	PQL	ng/Kg	
1,2,3,6,7,8-HxCDD		JB	0.290	5.55	PQL	ng/Kg	
1,2,3,6,7,8-HxCDF		JB	0.128	5.55	PQL	ng/Kg	
1,2,3,7,8,9-HxCDD		JB	0.323	5.55	PQL	ng/Kg	
1,2,3,7,8,9-HxCDF		JB	0.0802	5.55	PQL	ng/Kg	
1,2,3,7,8-PECDD		JB	0.141	5.55	PQL	ng/Kg	
1,2,3,7,8-PECDF		JB	0.218	5.55	PQL	ng/Kg	
2,3,4,6,7,8-HxCDF		JB	0.200	5.55	PQL	ng/Kg	
2,3,4,7,8-PECDF		JB	0.422	5.55	PQL	ng/Kg	
2,3,7,8-TCDF		J	0.151	1.11	PQL	ng/Kg	
OCDF		JB	1.66	11.1	PQL	ng/Kg	
SL-197-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.36	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.270	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.263	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.519	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.462	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.351	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.399	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.242	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.266	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.852	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.420	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.33	5.73	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.508	1.15	PQL	ng/Kg	
	OCDF	JB	2.79	11.5	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX166

Laboratory: LL

EDD Filename: DX166\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-198-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.05	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.307	5.21	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0872	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0574	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.204	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0877	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.109	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.128	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0288	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0500	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.107	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.119	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.224	5.21	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0715	1.04	PQL	ng/Kg	
	OCDD	JB	5.91	10.4	PQL	ng/Kg	
	OCDF	JBQ	0.509	10.4	PQL	ng/Kg	

## **Enclosure II**

### **Level IV Validation Reports**

**Laboratory Data Consultants, Inc.  
Data Validation Report**

**Project/Site Name:** Santa Susana Field Laboratory  
**Collection Date:** March 29 through April 3, 2012  
**LDC Report Date:** September 5, 2012  
**Matrix:** Soil  
**Parameters:** Dioxins/Dibenzofurans  
**Validation Level:** Level IV  
**Laboratory:** Lancaster Laboratories  
**Sample Delivery Group (SDG):** DX166

**Sample Identification**

SL-079-NBZ-SS-0.0-0.5                      SL-118-NBZ-SS-0.0-0.5MSD  
SL-121-NBZ-SS-0.0-0.5  
SL-134-NBZ-SS-0.0-0.5  
SL-101-NBZ-SS-0.0-0.5  
SL-103-NBZ-SS-0.0-0.5  
SL-118-NBZ-SS-0.0-0.5  
SL-130-NBZ-SS-0.0-0.5  
SL-197-NBZ-SS-0.0-0.5  
DUP-004-NBZ-QC-032912  
SL-127-NBZ-SS-0.0-0.5  
SL-169-NBZ-SS-0.0-0.5  
SL-032-NBZ-SS-0.0-0.5  
SL-035-NBZ-SS-0.0-0.5  
SL-035-NBZ-SB-2.0-3.0  
SL-115-NBZ-SS-0.0-0.5  
SL-140-NBZ-SS-0.0-0.5  
SL-198-NBZ-SS-0.0-0.5  
SL-020-NBZ-SB-2.5-3.5  
SL-097-NBZ-SS-0.0-0.5  
SL-118-NBZ-SS-0.0-0.5MS

## Introduction

This data review covers 21 soil 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.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

## **I. Technical Holding Times**

All technical holding time requirements were met.

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

## **II. HRGC/HRMS Instrument Performance Check**

Instrument performance was checked at the required daily frequency.

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

PFK and static resolving power were within validation criteria.

## **III. Initial Calibration**

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

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

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

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

## **IV. Continuing Calibration**

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing 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
BLK103002	4/12/12	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	0.0922 ng/Kg 0.131 ng/Kg 0.0493 ng/Kg 0.0599 ng/Kg 0.0799 ng/Kg 0.0864 ng/Kg 0.0299 ng/Kg 0.104 ng/Kg 0.0587 ng/Kg 0.0229 ng/Kg 0.143 ng/Kg 0.498 ng/Kg 0.0810 ng/Kg 0.514 ng/Kg 0.114 ng/Kg	All samples in SDG DX166

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
SL-079-NBZ-SS-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 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.304 ng/Kg 0.512 ng/Kg 0.109 ng/Kg 0.247 ng/Kg 0.135 ng/Kg 0.286 ng/Kg 0.219 ng/Kg 0.259 ng/Kg 0.678 ng/Kg 0.111 ng/Kg	0.304U ng/Kg 0.512U ng/Kg 0.109U ng/Kg 0.247U ng/Kg 0.135U ng/Kg 0.286U ng/Kg 0.219U ng/Kg 0.259U ng/Kg 0.678U ng/Kg 0.111U ng/Kg
SL-121-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-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	0.219 ng/Kg 0.260 ng/Kg 0.130 ng/Kg 0.0748 ng/Kg 0.173 ng/Kg 0.0871 ng/Kg 0.102 ng/Kg 0.0988 ng/Kg 0.0343 ng/Kg 0.370 ng/Kg 1.26 ng/Kg 0.149 ng/Kg	0.219U ng/Kg 0.260U ng/Kg 0.130U ng/Kg 0.0748U ng/Kg 0.173U ng/Kg 0.0871U ng/Kg 0.102U ng/Kg 0.0988U ng/Kg 0.0343U ng/Kg 0.370U ng/Kg 1.26U ng/Kg 0.149U ng/Kg
SL-134-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,7,8,9-HpCDF	0.300 ng/Kg 0.120 ng/Kg 0.224 ng/Kg 0.203 ng/Kg 0.221 ng/Kg 0.232 ng/Kg 0.218 ng/Kg 0.0922 ng/Kg	0.300U ng/Kg 0.120U ng/Kg 0.224U ng/Kg 0.203U ng/Kg 0.221U ng/Kg 0.232U ng/Kg 0.218U ng/Kg 0.0922U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-101-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 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-HxCDF 1,2,3,4,7,8,9-HpCDF	0.419 ng/Kg 0.224 ng/Kg 0.315 ng/Kg 0.440 ng/Kg 0.0980 ng/Kg 0.138 ng/Kg	0.419U ng/Kg 0.224U ng/Kg 0.315U ng/Kg 0.440U ng/Kg 0.0980U ng/Kg 0.138U ng/Kg
SL-103-NBZ-SS-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	0.398 ng/Kg 0.538 ng/Kg 0.193 ng/Kg 0.250 ng/Kg 0.172 ng/Kg 0.212 ng/Kg 0.0870 ng/Kg 0.199 ng/Kg 0.203 ng/Kg 0.0708 ng/Kg 0.614 ng/Kg 0.126 ng/Kg	0.398U ng/Kg 0.538U ng/Kg 0.193U ng/Kg 0.250U ng/Kg 0.172U ng/Kg 0.212U ng/Kg 0.0870U ng/Kg 0.199U ng/Kg 0.203U ng/Kg 0.0708U ng/Kg 0.614U ng/Kg 0.126U ng/Kg
SL-118-NBZ-SS-0.0-0.5	2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF	0.401 ng/Kg 0.194 ng/Kg 0.193 ng/Kg 0.231 ng/Kg 0.100 ng/Kg 0.386 ng/Kg 0.143 ng/Kg	0.401U ng/Kg 0.194U ng/Kg 0.193U ng/Kg 0.231U ng/Kg 0.100U ng/Kg 0.386U ng/Kg 0.143U ng/Kg
SL-130-NBZ-SS-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 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDF	0.306 ng/Kg 0.424 ng/Kg 0.185 ng/Kg 0.206 ng/Kg 0.162 ng/Kg 0.136 ng/Kg 0.111 ng/Kg 0.155 ng/Kg 0.132 ng/Kg 0.100 ng/Kg 0.320 ng/Kg 0.886 ng/Kg 0.0836 ng/Kg 0.527 ng/Kg	0.306U ng/Kg 0.424U ng/Kg 0.185U ng/Kg 0.206U ng/Kg 0.162U ng/Kg 0.136U ng/Kg 0.111U ng/Kg 0.155U ng/Kg 0.132U ng/Kg 0.100U ng/Kg 0.320U ng/Kg 0.886U ng/Kg 0.0836U ng/Kg 0.527U ng/Kg
SL-197-NBZ-SS-0.0-0.5	1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF	0.351 ng/Kg 0.420 ng/Kg 0.462 ng/Kg 0.270 ng/Kg	0.351U ng/Kg 0.420U ng/Kg 0.462U ng/Kg 0.270U ng/Kg
DUP-004-NBZ-QC-032912	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.342 ng/Kg 0.323 ng/Kg 0.121 ng/Kg 0.112 ng/Kg 0.101 ng/Kg 0.219 ng/Kg 0.238 ng/Kg 0.283 ng/Kg 0.655 ng/Kg 0.0738 ng/Kg	0.342U ng/Kg 0.323U ng/Kg 0.121U ng/Kg 0.112U ng/Kg 0.101U ng/Kg 0.219U ng/Kg 0.238U ng/Kg 0.283U ng/Kg 0.655U ng/Kg 0.0738U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-127-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-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	0.0726 ng/Kg 0.169 ng/Kg 0.171 ng/Kg 0.0725 ng/Kg 0.0694 ng/Kg 0.0642 ng/Kg 0.106 ng/Kg 0.0928 ng/Kg 0.0522 ng/Kg 0.226 ng/Kg 1.03 ng/Kg 0.0595 ng/Kg 0.397 ng/Kg	0.0726U ng/Kg 0.169U ng/Kg 0.171U ng/Kg 0.0725U ng/Kg 0.0694U ng/Kg 0.0642U ng/Kg 0.106U ng/Kg 0.0928U ng/Kg 0.0522U ng/Kg 0.226U ng/Kg 1.03U ng/Kg 0.0595U ng/Kg 0.397U ng/Kg
SL-169-NBZ-SS-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-HxCDF 1,2,3,4,7,8,9-HpCDF	0.218 ng/Kg 0.422 ng/Kg 0.141 ng/Kg 0.202 ng/Kg 0.128 ng/Kg 0.200 ng/Kg 0.143 ng/Kg 0.290 ng/Kg 0.0802 ng/Kg 0.109 ng/Kg	0.218U ng/Kg 0.422U ng/Kg 0.141U ng/Kg 0.202U ng/Kg 0.128U ng/Kg 0.200U ng/Kg 0.143U ng/Kg 0.290U ng/Kg 0.0802U ng/Kg 0.109U ng/Kg
SL-032-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF	0.421 ng/Kg 0.479 ng/Kg 0.207 ng/Kg 0.236 ng/Kg 0.245 ng/Kg 0.114 ng/Kg 0.120 ng/Kg	0.421U ng/Kg 0.479U ng/Kg 0.207U ng/Kg 0.236U ng/Kg 0.245U ng/Kg 0.114U ng/Kg 0.120U ng/Kg
SL-035-NBZ-SS-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 1,2,3,7,8,9-HxCDF	0.343 ng/Kg 0.405 ng/Kg 0.153 ng/Kg 0.286 ng/Kg 0.213 ng/Kg 0.294 ng/Kg 0.0829 ng/Kg	0.343U ng/Kg 0.405U ng/Kg 0.153U ng/Kg 0.286U ng/Kg 0.213U ng/Kg 0.294U ng/Kg 0.0829U ng/Kg
SL-035-NBZ-SB-2.0-3.0	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	0.200 ng/Kg 0.135 ng/Kg 0.0902 ng/Kg 0.0940 ng/Kg 0.0749 ng/Kg 0.163 ng/Kg 0.176 ng/Kg 0.152 ng/Kg 0.0926 ng/Kg 0.0711 ng/Kg 0.342 ng/Kg 0.0400 ng/Kg 0.685 ng/Kg 0.148 ng/Kg	0.200U ng/Kg 0.135U ng/Kg 0.0902U ng/Kg 0.0940U ng/Kg 0.0749U ng/Kg 0.163U ng/Kg 0.176U ng/Kg 0.152U ng/Kg 0.0926U ng/Kg 0.0711U ng/Kg 0.342U ng/Kg 0.0400U ng/Kg 0.685U ng/Kg 0.148U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-115-NBZ-SS-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 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.391 ng/Kg 0.581 ng/Kg 0.128 ng/Kg 0.285 ng/Kg 0.216 ng/Kg 0.263 ng/Kg 0.312 ng/Kg 0.223 ng/Kg 0.0482 ng/Kg 0.120 ng/Kg	0.391U ng/Kg 0.581U ng/Kg 0.128U ng/Kg 0.285U ng/Kg 0.216U ng/Kg 0.263U ng/Kg 0.312U ng/Kg 0.223U ng/Kg 0.0482U ng/Kg 0.120U ng/Kg
SL-140-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 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 1,2,3,4,7,8,9-HpCDF	0.410 ng/Kg 0.161 ng/Kg 0.216 ng/Kg 0.308 ng/Kg 0.132 ng/Kg 0.293 ng/Kg 0.281 ng/Kg 0.113 ng/Kg 0.179 ng/Kg	0.410U ng/Kg 0.161U ng/Kg 0.216U ng/Kg 0.308U ng/Kg 0.132U ng/Kg 0.293U ng/Kg 0.281U ng/Kg 0.113U ng/Kg 0.179U ng/Kg
SL-198-NBZ-SS-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-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.107 ng/Kg 0.224 ng/Kg 0.0500 ng/Kg 0.204 ng/Kg 0.109 ng/Kg 0.119 ng/Kg 0.0574 ng/Kg 0.0877 ng/Kg 0.128 ng/Kg 0.0288 ng/Kg 1.05 ng/Kg 0.307 ng/Kg 0.0872 ng/Kg 0.509 ng/Kg	0.107U ng/Kg 0.224U ng/Kg 0.0500U ng/Kg 0.204U ng/Kg 0.109U ng/Kg 0.119U ng/Kg 0.0574U ng/Kg 0.0877U ng/Kg 0.128U ng/Kg 0.0288U ng/Kg 1.05U ng/Kg 0.307U ng/Kg 0.0872U ng/Kg 0.509U ng/Kg
SL-020-NBZ-SB-2.5-3.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8,9-HpCDF	0.243 ng/Kg 0.136 ng/Kg 0.132 ng/Kg 0.155 ng/Kg 0.213 ng/Kg 0.246 ng/Kg	0.243U ng/Kg 0.136U ng/Kg 0.132U ng/Kg 0.155U ng/Kg 0.213U ng/Kg 0.246U ng/Kg
SL-097-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,7,8,9-HpCDF	0.278 ng/Kg 0.0809 ng/Kg 0.266 ng/Kg 0.198 ng/Kg 0.260 ng/Kg 0.0796 ng/Kg 0.245 ng/Kg 0.198 ng/Kg 0.0811 ng/Kg	0.278U ng/Kg 0.0809U ng/Kg 0.266U ng/Kg 0.198U ng/Kg 0.260U ng/Kg 0.0796U ng/Kg 0.245U ng/Kg 0.198U ng/Kg 0.0811U ng/Kg

Samples EB-NBZ-SB-040412 and EB-NBZ-SS-040412 (both from SDG DX167) and EB-NBZ-SS-032912 (from SDG DX165) were identified as equipment blanks. No polychlorinated dioxin/dibenzofuran contaminants were found in the method blanks with the following exceptions:

Blank ID	Sampling Date	Compound	Concentration	Associated Samples
EB-NBZ-SB-040412	4/4/12	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	1.41 pg/L 2.21 pg/L 1.93 pg/L 1.91 pg/L 0.998 pg/L 1.18 pg/L 2.38 pg/L 1.30 pg/L 1.35 pg/L 6.61 pg/L 13.5 pg/L 1.43 pg/L 35.3 pg/L 5.46 pg/L	SL-035-NBZ-SB-2.0-3.0 SL-020-NBZ-SB-2.5-3.5
EB-NBZ-SS-040412	4/4/12	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	0.448 pg/L 0.854 pg/L 0.570 pg/L 0.755 pg/L 0.429 pg/L 0.384 pg/L 0.573 pg/L 0.768 pg/L 1.80 pg/L 4.82 pg/L 0.837 pg/L 13.7 pg/L 2.62 pg/L	SL-127-NBZ-SS-0.0-0.5 SL-169-NBZ-SS-0.0-0.5 SL-032-NBZ-SS-0.0-0.5 SL-035-NBZ-SS-0.0-0.5 SL-115-NBZ-SS-0.0-0.5 SL-140-NBZ-SS-0.0-0.5 SL-198-NBZ-SS-0.0-0.5 SL-097-NBZ-SS-0.0-0.5
EB-NBZ-SS-032912	3/29/12	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	0.220 pg/L 0.700 pg/L 0.341 pg/L 0.496 pg/L 0.314 pg/L 0.320 pg/L 0.569 pg/L 0.466 pg/L 0.457 pg/L 2.11 pg/L 7.20 pg/L 0.358 pg/L 16.6 pg/L 1.08 pg/L	SL-079-NBZ-SS-0.0-0.5 SL-121-NBZ-SS-0.0-0.5 SL-134-NBZ-SS-0.0-0.5 SL-101-NBZ-SS-0.0-0.5 SL-103-NBZ-SS-0.0-0.5 SL-118-NBZ-SS-0.0-0.5 SL-130-NBZ-SS-0.0-0.5 SL-197-NBZ-SS-0.0-0.5 DUP-004-NBZ-QC-032912

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank 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. Ongoing Precision & Recovery Samples (OPR)

Ongoing precision and recovery (OPR) control samples were reviewed for each matrix as applicable. The percent recoveries (%R) were within the QC limits.

## VIII. Regional Quality Assurance and Quality Control

Not applicable.

## IX. Internal Standards

All internal standard recoveries were within QC limits.

## X. Target Compound Identifications

All target compound identifications were within validation criteria.

## XI. Compound Quantitation and RLs

All compound quantitation and RLs were within validation criteria.

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDGDX166	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-118-NBZ-SS-0.0-0.5 and DUP-004-NBZ-QC-032912 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-118-NBZ-SS-0.0-0.5	DUP-004-NBZ-QC-032912			
2,3,7,8-TCDF	0.269	0.148	58 (≤50)	J (all detects)	A
2,3,7,8-TCDD	0.0407	0.0737	58 (≤50)	-	-
1,2,3,7,8-PeCDF	0.487	0.342	35 (≤50)	-	-

Compound	Concentration (ng/Kg)		RPD (Limits)	Flags	A or P
	SL-118-NBZ-SS-0.0-0.5	DUP-004-NBZ-QC-032912			
2,3,4,7,8-PeCDF	0.401	0.323	22 (≤50)	-	-
1,2,3,7,8-PeCDD	0.194	0.121	46 (≤50)	-	-
1,2,3,4,7,8-HxCDF	0.331	0.112	99 (≤50)	J (all detects)	A
1,2,3,6,7,8-HxCDF	0.193	0.101	63 (≤50)	J (all detects)	A
2,3,4,6,7,8-HxCDF	0.231	0.219	5 (≤50)	-	-
1,2,3,4,7,8-HxCDD	0.100	0.313	103 (≤50)	J (all detects)	A
1,2,3,6,7,8-HxCDD	0.386	0.238	47 (≤50)	-	-
1,2,3,7,8,9-HxCDD	0.372	0.283	27 (≤50)	-	-
1,2,3,7,8,9-HxCDF	0.200	0.0457U	200 (≤50)	J (all detects) UJ (all non-detects)	A
1,2,3,4,6,7,8-HpCDF	0.718	0.655	9 (≤50)	-	-
1,2,3,4,6,7,8-HpCDD	2.70	2.60	4 (≤50)	-	-
1,2,3,4,7,8,9-HpCDF	0.143	0.0738	64 (≤50)	J (all detects)	A
OCDD	21.9	17.3	23 (≤50)	-	-
OCDF	1.15	1.13	2 (≤50)	-	-

**Santa Susana Field Laboratory  
Dioxins/Dibenzofurans - Data Qualification Summary - SDG DX166**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
DX166	SL-079-NBZ-SS-0.0-0.5 SL-121-NBZ-SS-0.0-0.5 SL-134-NBZ-SS-0.0-0.5 SL-101-NBZ-SS-0.0-0.5 SL-103-NBZ-SS-0.0-0.5 SL-118-NBZ-SS-0.0-0.5 SL-130-NBZ-SS-0.0-0.5 SL-197-NBZ-SS-0.0-0.5 DUP-004-NBZ-QC-032912 SL-127-NBZ-SS-0.0-0.5 SL-169-NBZ-SS-0.0-0.5 SL-032-NBZ-SS-0.0-0.5 SL-035-NBZ-SS-0.0-0.5 SL-035-NBZ-SB-2.0-3.0 SL-115-NBZ-SS-0.0-0.5 SL-140-NBZ-SS-0.0-0.5 SL-198-NBZ-SS-0.0-0.5 SL-020-NBZ-SB-2.5-3.5 SL-097-NBZ-SS-0.0-0.5	All compounds reported below the RL.	J (all detects)	A	Compound quantitation and RLs (Z)
DX166	SL-118-NBZ-SS-0.0-0.5 DUP-004-NBZ-QC-032912	2,3,7,8-TCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects)	A	Field duplicates (RPD) (FD)
DX166	SL-118-NBZ-SS-0.0-0.5 DUP-004-NBZ-QC-032912	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 DX166**

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX166	SL-079-NBZ-SS-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 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.304U ng/Kg 0.512U ng/Kg 0.109U ng/Kg 0.247U ng/Kg 0.135U ng/Kg 0.286U ng/Kg 0.219U ng/Kg 0.259U ng/Kg 0.678U ng/Kg 0.111U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX166	SL-121-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-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	0.219U ng/Kg 0.260U ng/Kg 0.130U ng/Kg 0.0748U ng/Kg 0.173U ng/Kg 0.0871U ng/Kg 0.102U ng/Kg 0.0988U ng/Kg 0.0343U ng/Kg 0.370U ng/Kg 1.26U ng/Kg 0.149U ng/Kg	A	B
DX166	SL-134-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,7,8,9-HpCDF	0.300U ng/Kg 0.120U ng/Kg 0.224U ng/Kg 0.203U ng/Kg 0.221U ng/Kg 0.232U ng/Kg 0.218U ng/Kg 0.0922U ng/Kg	A	B
DX166	SL-101-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 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-HxCDF 1,2,3,4,7,8,9-HpCDF	0.419U ng/Kg 0.224U ng/Kg 0.315U ng/Kg 0.440U ng/Kg 0.0980U ng/Kg 0.138U ng/Kg	A	B
DX166	SL-103-NBZ-SS-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	0.398U ng/Kg 0.538U ng/Kg 0.193U ng/Kg 0.250U ng/Kg 0.172U ng/Kg 0.212U ng/Kg 0.0870U ng/Kg 0.199U ng/Kg 0.203U ng/Kg 0.0708U ng/Kg 0.614U ng/Kg 0.126U ng/Kg	A	B
DX166	SL-118-NBZ-SS-0.0-0.5	2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF	0.401U ng/Kg 0.194U ng/Kg 0.193U ng/Kg 0.231U ng/Kg 0.100U ng/Kg 0.386U ng/Kg 0.143U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX166	SL-130-NBZ-SS-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 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDF	0.306U ng/Kg 0.424U ng/Kg 0.185U ng/Kg 0.206U ng/Kg 0.162U ng/Kg 0.136U ng/Kg 0.111U ng/Kg 0.155U ng/Kg 0.132U ng/Kg 0.100U ng/Kg 0.320U ng/Kg 0.886U ng/Kg 0.0836U ng/Kg 0.527U ng/Kg	A	B
DX166	SL-197-NBZ-SS-0.0-0.5	1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF	0.351U ng/Kg 0.420U ng/Kg 0.462U ng/Kg 0.270U ng/Kg	A	B
DX166	DUP-004-NBZ-QC-032912	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.342U ng/Kg 0.323U ng/Kg 0.121U ng/Kg 0.112U ng/Kg 0.101U ng/Kg 0.219U ng/Kg 0.238U ng/Kg 0.283U ng/Kg 0.655U ng/Kg 0.0738U ng/Kg	A	B
DX166	SL-127-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-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	0.0726U ng/Kg 0.169U ng/Kg 0.171U ng/Kg 0.0725U ng/Kg 0.0694U ng/Kg 0.0642U ng/Kg 0.106U ng/Kg 0.0928U ng/Kg 0.0522U ng/Kg 0.226U ng/Kg 1.03U ng/Kg 0.0595U ng/Kg 0.397U ng/Kg	A	B
DX166	SL-169-NBZ-SS-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-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.218U ng/Kg 0.422U ng/Kg 0.141U ng/Kg 0.202U ng/Kg 0.128U ng/Kg 0.200U ng/Kg 0.143U ng/Kg 0.290U ng/Kg 0.0802U ng/Kg 0.109U ng/Kg	A	B
DX166	SL-032-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,4,7,8,9-HpCDF	0.421U ng/Kg 0.479U ng/Kg 0.207U ng/Kg 0.236U ng/Kg 0.245U ng/Kg 0.114U ng/Kg 0.120U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX166	SL-035-NBZ-SS-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 1,2,3,7,8,9-HxCDF	0.343U ng/Kg 0.405U ng/Kg 0.153U ng/Kg 0.286U ng/Kg 0.213U ng/Kg 0.294U ng/Kg 0.0829U ng/Kg	A	B
DX166	SL-035-NBZ-SB-2.0-3.0	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	0.200U ng/Kg 0.135U ng/Kg 0.0902U ng/Kg 0.0940U ng/Kg 0.0749U ng/Kg 0.163U ng/Kg 0.176U ng/Kg 0.152U ng/Kg 0.0926U ng/Kg 0.0711U ng/Kg 0.342U ng/Kg 0.0400U ng/Kg 0.685U ng/Kg 0.148U ng/Kg	A	B
DX166	SL-115-NBZ-SS-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 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.391U ng/Kg 0.581U ng/Kg 0.128U ng/Kg 0.285U ng/Kg 0.216U ng/Kg 0.263U ng/Kg 0.312U ng/Kg 0.223U ng/Kg 0.0482U ng/Kg 0.120U ng/Kg	A	B
DX166	SL-140-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 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 1,2,3,4,7,8,9-HpCDF	0.410U ng/Kg 0.161U ng/Kg 0.216U ng/Kg 0.308U ng/Kg 0.132U ng/Kg 0.293U ng/Kg 0.281U ng/Kg 0.113U ng/Kg 0.179U ng/Kg	A	B
DX166	SL-198-NBZ-SS-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-HpCDD 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF	0.107U ng/Kg 0.224U ng/Kg 0.0500U ng/Kg 0.204U ng/Kg 0.109U ng/Kg 0.119U ng/Kg 0.0574U ng/Kg 0.0877U ng/Kg 0.128U ng/Kg 0.0288U ng/Kg 1.05U ng/Kg 0.307U ng/Kg 0.0872U ng/Kg 0.509U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX166	SL-020-NBZ-SB-2.5-3.5	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8,9-HpCDF	0.243U ng/Kg 0.136U ng/Kg 0.132U ng/Kg 0.155U ng/Kg 0.213U ng/Kg 0.246U ng/Kg	A	B
DX166	SL-097-NBZ-SS-0.0-0.5	1,2,3,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,7,8,9-HpCDF	0.278U ng/Kg 0.0809U ng/Kg 0.266U ng/Kg 0.198U ng/Kg 0.260U ng/Kg 0.0796U ng/Kg 0.245U ng/Kg 0.198U ng/Kg 0.0811U ng/Kg	A	B

**Santa Susana Field Laboratory  
Dioxins/Dibenzofurans - Field Blank Data Qualification Summary - SDG DX166**

No Sample Data Qualified in this SDG

LDC #: 28267H21

## VALIDATION COMPLETENESS WORKSHEET

SDG #: DX166

Level IV

Laboratory: Lancaster Laboratories

Date: 9/4/12

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: 3/29/12 - 4/3/12
II.	HRGC/HRMS Instrument performance check	A	
III.	Initial calibration	A	QC limit % RSD ≤ 20/35
IV.	Continuing Calibration	A	QC limit
V.	Blanks	SW	
VI.	Matrix spike/Matrix spike duplicates	A	
VII.	Laboratory control samples	A	EES OPR
VIII.	Regional quality assurance and quality control	N	
IX.	Internal standards	A	QC limit
X.	Target compound identifications	A	
XI.	Compound quantitation (R) LOQ/LODs	A	
XII.	System performance	A	
XIII.	Overall assessment of data	A	
XIV.	Field duplicates	SW	D = 6, 9
XV.	Field blanks	N	EB = EB-NBZ-SB-040412 (SDG DX167) EB-NBZ-SS-032912 (SDG DX165), EB-NBZ-SS-040412 (SDG DX167)

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

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

D = Duplicate  
TB = Trip blank  
EB = Equipment blank

Validated Samples:

SOIL

1	SL-079-NBZ-SS-0.0-0.5	11	SL-169-NBZ-SS-0.0-0.5	21	SL-118-NBZ-SS-0.0-0.5MSD	31	BL/103002
2	SL-121-NBZ-SS-0.0-0.5	12	SL-032-NBZ-SS-0.0-0.5	22		32	
3	SL-134-NBZ-SS-0.0-0.5	13	SL-035-NBZ-SS-0.0-0.5	23		33	
4	SL-101-NBZ-SS-0.0-0.5	14	SL-035-NBZ-SB-2.0-3.0	24		34	
5	SL-103-NBZ-SS-0.0-0.5	15	SL-115-NBZ-SS-0.0-0.5	25		35	
6	SL-118-NBZ-SS-0.0-0.5	16	SL-140-NBZ-SS-0.0-0.5	26		36	
7	SL-130-NBZ-SS-0.0-0.5	17	SL-198-NBZ-SS-0.0-0.5	27		37	
8	SL-197-NBZ-SS-0.0-0.5	18	SL-020-NBZ-SB-2.5-3.5	28		38	
9	DUP-004-NBZ-QC-032912	19	SL-097-NBZ-SS-0.0-0.5	29		39	
10	SL-127-NBZ-SS-0.0-0.5	20	SL-118-NBZ-SS-0.0-0.5MS	30		40	

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

Validation Area	Yes	No	NA	Findings/Comments
<b>I. Technical holding times</b>				
All technical holding times were met.	/			
Cooler temperature criteria was met.	/			
<b>II. GC/MS Instrument performance check</b>				
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?	/			
<b>III. Initial calibration</b>				
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?	/			
<b>IV. Continuing calibration</b>				
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?	/			
<b>V. Blanks</b>				
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?	/			
<b>VI. Matrix spike/Matrix spike duplicates</b>				
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?	/			
<b>VII. Laboratory control samples</b>				
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 FINDINGS CHECKLIST

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

# VALIDATION FINDINGS WORKSHEET

METHOD: HRGC/HRMS Dioxins/Dibenzofurans (EPA 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:

**VALIDATION FINDINGS WORKSHEET**  
**Blanks**

**METHOD:** HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)  
 Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".  
 Y N N/A Were all samples associated with a method blank?  
 Y X N/A Was a method blank performed for each matrix and whenever a sample extraction was performed?  
 Y N N/A Was the method blank contaminated?  
 Blank extraction date: 04/12/12  
 Blank analysis date: 04/13/12  
 Associated samples: All

(B)

Compound	Blank ID	Sample Identification												
		5X	1	2	3	4	5	6	7	8				
	BLK103002													
I	0.0922*	0.461	0.304U	0.219U	0.300U	0.419U	0.398U						0.306U	
J	0.131	0.655	0.512U	0.260U			0.538U			0.401U			0.424U	
B	0.0493	0.2465	0.109U		0.120U		0.193U			0.194U			0.185U	
K	0.0599	0.2995	0.247U	0.130U	0.224U		0.250U						0.206U	
L	0.0799	0.3995	0.135U	0.0748U	0.203U	0.224U	0.172U			0.193U			0.162U	0.351U
M	0.0864	0.432	0.286U	0.173U	0.221U	0.315U	0.212U			0.231U			0.136U	0.420U
C	0.0299*	0.1495		0.0871*U			0.0870U			0.100U			0.111U	
D	0.104	0.52	0.219U	0.102U	0.232U	0.440U	0.199U			0.386U			0.155U	0.462U
E	0.0587*	0.2935	0.259U	0.0988U	0.218U		0.203U						0.132U	
N	0.0229	0.1145		0.0343U		0.0980U	0.0708U						0.100U	
O	0.143	0.715	0.678U	0.370U			0.614U						0.320U	
F	0.498	2.49		1.26U									0.886U	
P	0.0810	0.405	0.111U	0.149U	0.0922U	0.138U	0.126U			0.143U			0.0836U	0.270U
G	0.514	2.57												
Q	0.114	0.57											0.5271U	

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

**VALIDATION FINDINGS WORKSHEET**  
**Blanks**

**METHOD:** HRGC/HRMS Dioxins/Dibenzofurans (EPA Method 1613B)  
 Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".  
 Y/N N/A Were all samples associated with a method blank?  
 Y/N N/A Was a method blank performed for each matrix and whenever a sample extraction was performed?  
 Y/N N/A Was the method blank contaminated?

(B)

**Blank extraction date:** 04/12/12 **Blank analysis date:** 04/13/12 **Associated samples:** All  
**Conc. units:** pg/g

Compound	Blank ID	Sample Identification													
		5X	9	10	11	12	13	14	15	16					
	BLK103002														
I	0.0922*	0.461	0.342U	0.0726U	0.218U	0.421U	0.343U	0.200U	0.391U	0.410U					
J	0.131	0.655	0.323U	0.169U	0.422U	0.479U	0.405U	0.135U	0.581U						
B	0.0493	0.2465	0.121*U	0.141U	0.0902U	0.153U	0.128U	0.161U							
K	0.0599	0.2995	0.112*U	0.202U	0.207U	0.286U	0.0940U	0.285U							
L	0.0799	0.3995	0.101U	0.128U	0.236U	0.213U	0.0749U	0.216U							
M	0.0864	0.432	0.219U	0.200U	0.245U	0.294U	0.163*U	0.263U							
C	0.0299*	0.1495	0.0642U	0.143U	0.114*U			0.132U							
D	0.104	0.52	0.238U	0.106U	0.290U		0.176U	0.312U							
E	0.0587*	0.2935	0.283U	0.0928U			0.152U	0.223U							
N	0.0229	0.1145		0.0522U	0.0802U	0.0829U	0.0926U	0.0482U							
O	0.143	0.715	0.655U	0.226U			0.0711U	0.113U							
F	0.498	2.49		1.03U			0.342U								
P	0.0810	0.405	0.0738U	0.0595U	0.109U	0.120U	0.0400U	0.120U							
G	0.514	2.57					0.685U	0.179U							
Q	0.114	0.57		0.397U			0.148U								

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

**VALIDATION FINDINGS WORKSHEET**

**Blanks**

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

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

- Y  N  N/A Were all samples associated with a method blank?
- Y  N  N/A Was a method blank performed for each matrix and whenever a sample extraction was performed?
- Y  N  N/A Was the method blank contaminated?

Blank extraction date: 04/12/12 Blank analysis date: 04/13/12 Associated samples: All

Conc. units: pg/g

(B)

Compound	Blank ID	Sample Identification									
		5X	17	18	19						
	BLK103002										
I	0.0922*	0.461	0.107U	0.243*U	0.278U						
J	0.131	0.655	0.224U	0.136U							
B	0.0493	0.2465	0.0500*U	0.132U	0.0809U						
K	0.0599	0.2995	0.204U		0.266U						
L	0.0799	0.3995	0.109U	0.155U	0.198U						
M	0.0864	0.432	0.119U	0.213U	0.260U						
C	0.0299*	0.1495	0.0574U		0.0796*U						
D	0.104	0.52	0.0877U		0.245U						
E	0.0587*	0.2935	0.128U		0.198U						
N	0.0229	0.1145	0.0288U								
O	0.143	0.715	<b>0.307U</b>								
F	0.498	2.49	1.05U								
P	0.0810	0.405	0.0872U	0.246U	0.0811U						
G	0.514	2.57									
Q	0.114	0.57	0.509*U								

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

Field Blank

Reviewer: [Signature]

2nd Reviewer: [Signature]

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

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

Y N N/A

Were field blank identified in this SDG?

Y N N/A

Were target compounds detected in the field blank?

Blank unit: pg/L Associated sample unit: ng/Kg

Associated samples: 14, 18 5x

\*EMPC

Sampling date: 04/04/12

Compound	Blank ID	Sample Identification
	EB-NBZ-SB-040412	5X
I	1.41	7.05
J	2.21*	11.05
K	1.93	9.65
L	1.91	9.55
M	0.998	4.99
C	1.18	5.9
D	2.38	11.9
E	1.30	6.5
N	1.35	6.75
O	6.61	33.05
F	13.5	67.5
P	1.43	7.15
G	35.3	176.5
Q	5.46	27.3

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

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

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

Y N N/A

Were field blank identified in this SDG?

Y N N/A

Were target compounds detected in the field blank?

**Blank unit:** pg/L **Associated sample unit:** ng/Kg

\*EMPC

**Associated samples:** 10-13, 15-17, 19 >5X

**Sampling date:** 04/04/12

Compound	Blank ID	Sample Identification
	EB-NBZ-SS-040412	5X
J	0.448*	2.24
K	0.854	4.27
L	0.570*	2.85
M	0.755*	3.775
C	0.429*	2.145
D	0.384*	1.92
E	0.573*	2.865
N	0.768*	3.84
O	1.80	9
F	4.82	24.1
P	0.837	4.185
G	13.7	68.5
Q	2.62	13.1

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

**VALIDATION FINDINGS WORKSHEET**  
**Field Blank**

Reviewer: [Signature]  
2nd Reviewer: \_\_\_\_\_

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

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

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

Y / N / N/A Were target compounds detected in the field blank?

Blank unit: pg/L Associated sample unit: ng/Kg

\*EMPC

Associated samples: 1-9 >5X

Sampling date : 03/29/12

Compound	Blank ID	Sample Identification
	EB-NBZ-SS-032912	5X
I	0.220	1.1
J	0.700*	3.5
B	0.341*	1.705
K	0.496*	2.48
L	0.314	1.57
M	0.320*	1.6
D	0.569*	2.845
E	0.466	2.33
N	0.457*	2.285
O	2.11	10.55
F	7.20	36
P	0.358*	1.79
G	16.6	83
Q	1.08*	5.4

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

LDC#: 28267H2/

**VALIDATION FINDINGS WORKSHEET**  
**Field Duplicates**

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

METHOD: 1613B

Y N NA

Were field duplicate pairs identified in this SDG?

Y N NA

Were target analytes detected in the field duplicate pairs?

Fd

Compound	Concentration (ng/Kg)		≤ SD RPD	
	6	9		
H	0.269	0.148	58	J/Adet
A	0.0407	0.0737	58	↓
I	0.487	0.342	35	
J	0.401	0.323	22	
B	0.194	0.121*	46	
K	0.331	0.112*	99	J/Adet
L	0.193	0.101	63	↓
M	0.231	0.219	5	
C	0.100	0.313	103	J/Adet
D	0.386	0.238	47	
E	0.372	0.283	27	
N	0.200	0.0457U	200	J/w/A
O	0.718	0.655	9	
F	2.70	2.60	4	
P	0.143	0.0738	64	J/Adet
G	21.9	17.3	23	
Q	1.15	1.13	2	

**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 RRFs/number of standards  
 $\%RSD = 100 * (S/X)$   
 $A_x$  = Area of compound,  $A_{is}$  = Area of associated internal standard  
 $C_x$  = Concentration of compound,  $C_{is}$  = Concentration of internal standard  
 $S$  = Standard deviation of the RRFs,  $X$  = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported		Recalculated		Reported		Recalculated	
				Average RRF (initial)	Average RRF (initial)	Average RRF (initial)	Average RRF (initial)	RRF (CS3 std)	RRF (CS3 std)	RRF (CS3 std)	%RSD
1	ICAL	02/01/12	2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)	1.037	1.037	1.022	1.022	1.022	6.08	1.022	6.08
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)	1.300	1.300	1.277	1.277	1.277	6.61	1.277	6.61
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)	0.946	0.946	0.964	0.964	0.964	4.41	0.964	4.41
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)	1.048	1.048	1.036	1.036	1.036	5.18	1.036	5.18
			OCDF ( <sup>13</sup> C-OCDF)	0.942	0.942	0.954	0.954	0.954	2.76	0.954	2.76
2			2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)								
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)								
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)								
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)								
			OCDF ( <sup>13</sup> C-OCDF)								
3			2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)								
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)								
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)								
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)								
			OCDF ( <sup>13</sup> 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 #: 28267H21

**VALIDATION FINDINGS WORKSHEET**  
**Routine Calibration Results Verification**

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

**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:

% Difference =  $100 \times (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$       Where:      ave. RRF = initial calibration average RRF  
 RRF =  $(A_x)(C_{is}) / (A_{is})(C_x)$       RRF = continuing calibration RRF  
 $A_x$  = Area of compound,       $A_{is}$  = Area of associated internal standard  
 $C_x$  = Concentration of compound,       $C_{is}$  = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Conc Average RRF (initial)	Reported		Recalculated		Reported	Recalculated
					Conc RRF (CC)	Conc RRF (CC)	Conc RRF (CC)	Conc RRF (CC)		
1	ceV 17:45	4/13/12	2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)	10.0	10.080	10.080	10.080	101	101	101
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)	10.0	9.660	9.660	9.660	97	97	97
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)	50.0	54.550	54.550	54.550	109	109	109
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)	50.0	50.320	50.320	50.320	101	101	101
			OCDF ( <sup>13</sup> C-OCDF)	100.00	102.230	102.230	102.230	102	102	102
2	ceV 06:15	4/14/12	2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)	9.530	9.530	9.530	9.530	95	95	95
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)	8.970	8.970	8.970	8.970	90	90	90
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)	50.580	50.580	50.580	50.580	101	101	101
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)	48.660	48.660	48.660	48.660	97	97	97
			OCDF ( <sup>13</sup> C-OCDF)	100.420	100.420	100.420	100.420	100	100	100
3	ceV 18:44	4/14/12	2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)	9.990	9.990	9.990	9.990	100	100	100
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)	9.920	9.920	9.920	9.920	99	99	99
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)	51.150	51.150	51.150	51.150	102	102	102
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)	48.420	48.420	48.420	48.420	97	97	97
			OCDF ( <sup>13</sup> C-OCDF)	100.750	100.750	100.750	100.750	101	101	101

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 #: 28267H21

**VALIDATION FINDINGS WORKSHEET**  
**Matrix Spike/Matrix Spike Duplicates Results Verification**

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

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

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

% Recovery =  $100 * (SSR - SR) / SA$       Where: SSR = Spiked sample result, SR = Sample result  
 SA = Spike added

RPD =  $100 * MSR - MSDR$       MSR = Matrix spike percent recovery      MSDR = Matrix spike duplicate percent recovery

MS/MSD samples: 20 + 21

Compound	Spike Added (ng/kg)		Sample Concentration (ng/kg)	Spiked Sample Concentration (ng/kg)		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	21.7	21.7	0.0407	19.8	18.9	91	91	87	87	5	5
1,2,3,7,8-PeCDD	108	108	0.194	103	99.0	95	95	91	91	4	4
1,2,3,4,7,8-HxCDD	108	108	0.100	104	104	96	96	95	95	0	0
1,2,3,4,7,8,9-HpCDF	108	108	0.143	103	102	94	94	94	94	0	0
OCDF	217	217	1.15	214	211	98	98	97	97	1	1

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.

LDC #: 28267H2 /

### VALIDATION FINDINGS WORKSHEET Laboratory Control Sample Results Verification

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

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

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery =  $100 * SSC/SA$       Where: SSC = Spiked sample concentration  
SA = Spike added

RPD =  $100 * (LCS - LCSD) / (LCS + LCSD)$

LCS = Laboratory control sample percent recovery      LCSD = Laboratory control sample duplicate percent recovery

LCS ID: OPR 103002

Compound	Spike Added (ng/kg)		Spiked Sample Concentration (ng/kg)		LCS		LCSD		Percent Recovery		Percent Recovery		I.C.S./C.S.D.	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalc	Reported	Recalc	Reported	Recalc
2,3,7,8-TCDD	20.0	NA	17.5	NA	87	87	87	87						
1,2,3,7,8-PeCDD	100	/	93.6	/	94	94	94	94						
1,2,3,4,7,8-HxCDD	100	/	96.3	/	96	96	96	96						
1,2,3,4,7,8,9-HpCDF	100	/	94.8	/	95	95	95	95						
OCDF	200	/	192	/	96	96	96	96	NA					

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.

## VALIDATION FINDINGS WORKSHEET

### Sample Calculation Verification

**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?

- Concentration =  $\frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$
- A<sub>x</sub> = Area of the characteristic ion (EICP) for the compound to be measured
  - A<sub>is</sub> = Area of the characteristic ion (EICP) for the specific internal standard
  - I<sub>s</sub> = Amount of internal standard added in nanograms (ng)
  - V<sub>o</sub> = 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. H1, 2, 3, 7, 8-TCDF  
 $Conc. = \frac{(870 + 649)(2000)}{(1284060 + 1029683)(10.1)(0.85)(1.031)}$   
 = 0.1425 ng/kg

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

# **SAMPLE DELIVERY GROUP**

**DX167**

## **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-Apr-2012	SL-110-NBZ-SS-0.0-0.5	6607533	N	METHOD	1613B	III
04-Apr-2012	SL-114-NBZ-SS-0.0-0.5	6607534	N	METHOD	1613B	III
04-Apr-2012	SL-100-NBZ-SS-0.0-0.5	6607531	N	METHOD	1613B	III
04-Apr-2012	SL-104-NBZ-SS-0.0-0.5	6607532	N	METHOD	1613B	III
04-Apr-2012	SL-099-NBZ-SS-0.0-0.5	6607530	N	METHOD	1613B	III
04-Apr-2012	SL-120-NBZ-SS-0.0-0.5	6607535	N	METHOD	1613B	III
04-Apr-2012	SL-187-NBZ-SS-0.0-0.5	6608540	N	METHOD	1613B	III
04-Apr-2012	SL-181-NBZ-SS-0.0-0.5	6608539	N	METHOD	1613B	III
04-Apr-2012	EB-NBZ-SB-040412	6607536	EB	METHOD	1613B	III
04-Apr-2012	SL-020-NBZ-SS-0.0-0.5	6608613	N	METHOD	1613B	III
04-Apr-2012	SL-155-NBZ-SS-0.0-0.5	6608538	N	METHOD	1613B	III
04-Apr-2012	EB-NBZ-SS-040412	6607537	EB	METHOD	1613B	III
05-Apr-2012	SL-190-NBZ-SS-0.0-0.5	6608544	N	METHOD	1613B	III
05-Apr-2012	SL-175-NBZ-SS-0.0-0.5	6608543	N	METHOD	1613B	III
05-Apr-2012	SL-149-NBZ-SS-0.0-0.5	6608541	N	METHOD	1613B	III
05-Apr-2012	SL-165-NBZ-SS-0.0-0.5	6608542	N	METHOD	1613B	III
10-Apr-2012	DUP-07-NBZ-QC-041012	6612364	FD	METHOD	1613B	III
10-Apr-2012	SL-009-NBZ-SS-0.0-0.5	6612359	N	METHOD	1613B	III
10-Apr-2012	SL-009-NBZ-SS-0.0-0.5 MS	6612360	MS	METHOD	1613B	III
10-Apr-2012	SL-009-NBZ-SS-0.0-0.5 MSD	6612361	MSD	METHOD	1613B	III
10-Apr-2012	SL-009-NBZ-SS-0.0-0.5MSD	P612359M370830	MSD	METHOD	1613B	III
10-Apr-2012	SL-009-NBZ-SS-0.0-0.5MS	P612359R370734	MS	METHOD	1613B	III
10-Apr-2012	SL-186-NBZ-SS-0.0-0.5	6612363	N	METHOD	1613B	III
10-Apr-2012	SL-084-NBZ-SS-0.0-0.5	6612362	N	METHOD	1613B	III

## **Attachment II**

### **Overall Data Qualification Summary**

# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** AQ

Sample ID: EB-NBZ-SB-040412	Collected: 4/4/2012 2:30:00 PM Analysis Type: RES						Dilution: 1		
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	13.5	B	0.963	MDL	9.43	PQL	pg/L	UJ	B, I
1,2,3,4,6,7,8-HPCDF	6.61	JB	0.798	MDL	9.43	PQL	pg/L	UJ	B, I
1,2,3,4,7,8,9-HPCDF	1.43	JB	0.987	MDL	9.43	PQL	pg/L	UJ	B, I
1,2,3,4,7,8-HxCDD	1.18	JB	0.667	MDL	9.43	PQL	pg/L	UJ	B, I
1,2,3,4,7,8-HXCDF	1.93	JB	0.593	MDL	9.43	PQL	pg/L	UJ	B, I
1,2,3,6,7,8-HXCDD	2.38	JB	0.743	MDL	9.43	PQL	pg/L	UJ	B, I
1,2,3,6,7,8-HXCDF	1.91	JB	0.611	MDL	9.43	PQL	pg/L	UJ	B, I
1,2,3,7,8,9-HXCDD	1.30	JB	0.731	MDL	9.43	PQL	pg/L	UJ	B, I
1,2,3,7,8,9-HXCDF	1.35	JB	0.608	MDL	9.43	PQL	pg/L	UJ	B, I
1,2,3,7,8-PECDD	0.939	U	0.939	MDL	9.43	PQL	pg/L	UJ	I
1,2,3,7,8-PECDF	1.41	JB	0.645	MDL	9.43	PQL	pg/L	UJ	B, I
2,3,4,6,7,8-HXCDF	0.998	JB	0.483	MDL	9.43	PQL	pg/L	UJ	B, I
2,3,4,7,8-PECDF	2.21	JBQ	0.535	MDL	9.43	PQL	pg/L	U	B
2,3,7,8-TCDD	0.808	U	0.808	MDL	1.89	PQL	pg/L	UJ	I
OCDD	35.3	B	0.769	MDL	18.9	PQL	pg/L	U	B
OCDF	5.46	JB	0.935	MDL	18.9	PQL	pg/L	UJ	B, I

Sample ID: EB-NBZ-SS-040412	Collected: 4/4/2012 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	4.82	JB	0.464	MDL	9.42	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.80	JB	0.286	MDL	9.42	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.837	JB	0.342	MDL	9.42	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.429	JBQ	0.323	MDL	9.42	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.854	JB	0.232	MDL	9.42	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.384	JBQ	0.343	MDL	9.42	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.570	JBQ	0.243	MDL	9.42	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.573	JBQ	0.343	MDL	9.42	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.768	JBQ	0.241	MDL	9.42	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.755	JBQ	0.201	MDL	9.42	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.448	JBQ	0.233	MDL	9.42	PQL	pg/L	U	B
OCDD	13.7	JB	0.409	MDL	18.8	PQL	pg/L	U	B
OCDF	2.62	JB	0.466	MDL	18.8	PQL	pg/L	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: DUP-07-NBZ-QC-041012      Collected: 4/10/2012 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	1.21	JB	0.0161	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.291	JB	0.0267	MDL	5.71	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDD	0.182	JQ	0.0271	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.61	JB	0.0266	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.413	JB	0.0296	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.620	JB	0.0264	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.409	JB	0.0295	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.248	JBQ	0.0336	MDL	5.71	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.141	JB	0.0425	MDL	5.71	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDF	4.06	JB	0.0483	MDL	5.71	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.362	JB	0.0240	MDL	5.71	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.23	JB	0.0456	MDL	5.71	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0394	JBQ	0.0281	MDL	1.14	PQL	ng/Kg	U	B
OCDF	2.02	JB	0.0279	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-009-NBZ-SS-0.0-0.5      Collected: 4/10/2012 9:30:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.24	JB	0.0154	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.158	JBQ	0.0236	MDL	5.65	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.218	J	0.0262	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.87	JB	0.0256	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.490	JB	0.0268	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.672	JB	0.0246	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.384	JB	0.0282	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.248	JBQ	0.0298	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.266	JBQ	0.0413	MDL	5.65	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HXCDF	0.364	JB	0.0244	MDL	5.65	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.52	JB	0.0485	MDL	5.65	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0331	JB	0.0312	MDL	1.13	PQL	ng/Kg	U	B
OCDF	1.72	JB	0.0216	MDL	11.3	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

9/6/2012 1:02:31 PM

ADR version 1.6.0.188

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# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

<b>Sample ID:</b> SL-020-NBZ-SS-0.0-0.5			<b>Collected:</b> 4/4/2012 2:40:00 PM			<b>Analysis Type:</b> RES		<b>Dilution:</b> 1		
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	2.27	JB	0.0150	MDL	5.63	PQL	ng/Kg	J	Z	
1,2,3,4,7,8,9-HPCDF	0.206	JB	0.0238	MDL	5.63	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.235	J	0.0270	MDL	5.63	PQL	ng/Kg	J	Z	
1,2,3,4,7,8-HXCDF	0.299	JB	0.0158	MDL	5.63	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDD	0.584	JB	0.0278	MDL	5.63	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HXCDF	0.185	JB	0.0159	MDL	5.63	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDD	0.418	JB	0.0284	MDL	5.63	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HXCDF	0.103	JB	0.0194	MDL	5.63	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDD	0.155	JBQ	0.0262	MDL	5.63	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDF	0.239	JBQ	0.0166	MDL	5.63	PQL	ng/Kg	J	Z	
2,3,4,6,7,8-HXCDF	0.183	JBQ	0.0155	MDL	5.63	PQL	ng/Kg	U	B	
2,3,4,7,8-PECDF	0.199	JBQ	0.0151	MDL	5.63	PQL	ng/Kg	U	B	
2,3,7,8-TCDD	0.0338	JBQ	0.0249	MDL	1.13	PQL	ng/Kg	U	B	
2,3,7,8-TCDF	0.140	J	0.0361	MDL	1.13	PQL	ng/Kg	J	Z	
OCDF	6.17	JB	0.0219	MDL	11.3	PQL	ng/Kg	J	Z	

<b>Sample ID:</b> SL-084-NBZ-SS-0.0-0.5			<b>Collected:</b> 4/10/2012 11:10:00			<b>Analysis Type:</b> RES		<b>Dilution:</b> 1		
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	2.32	JB	0.0178	MDL	5.62	PQL	ng/Kg	J	Z	
1,2,3,4,7,8,9-HPCDF	0.245	JB	0.0290	MDL	5.62	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.281	J	0.0351	MDL	5.62	PQL	ng/Kg	J	Z	
1,2,3,4,7,8-HXCDF	2.07	JB	0.0314	MDL	5.62	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDD	0.769	JB	0.0360	MDL	5.62	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HXCDF	0.693	JB	0.0302	MDL	5.62	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDD	0.612	JB	0.0397	MDL	5.62	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HXCDF	0.293	JB	0.0387	MDL	5.62	PQL	ng/Kg	J	Z	
1,2,3,7,8-PECDD	0.211	JB	0.0402	MDL	5.62	PQL	ng/Kg	J	Z	
2,3,4,6,7,8-HXCDF	0.386	JB	0.0305	MDL	5.62	PQL	ng/Kg	J	Z	
2,3,4,7,8-PECDF	1.42	JB	0.0575	MDL	5.62	PQL	ng/Kg	J	Z	
2,3,7,8-TCDD	0.0446	JB	0.0313	MDL	1.12	PQL	ng/Kg	U	B	
OCDF	3.34	JB	0.0215	MDL	11.2	PQL	ng/Kg	J	Z	

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

Sample ID: SL-099-NBZ-SS-0.0-0.5	Collected: 4/4/2012 10:41:00	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-HPCDD	1.70	JB	0.0245	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.526	JB	0.0116	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0464	JB	0.0153	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0758	J	0.0207	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.143	JB	0.0165	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.115	JB	0.0231	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.145	JB	0.0164	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.139	JB	0.0227	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0805	JBQ	0.0179	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0559	JBQ	0.0245	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.251	JBQ	0.0249	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.159	JBQ	0.0147	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.304	JB	0.0221	MDL	5.46	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.192	JQ	0.0536	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	10.3	JB	0.0213	MDL	10.9	PQL	ng/Kg	J	Z
OCDF	0.884	JB	0.0182	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-100-NBZ-SS-0.0-0.5	Collected: 4/4/2012 9:51:00 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	0.802	JBQ	0.0157	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.227	JB	0.00873	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0370	JBQ	0.0116	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0280	J	0.0142	MDL	5.18	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.0911	JBQ	0.00948	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0661	JBQ	0.0149	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0482	JBQ	0.00981	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0601	JBQ	0.0156	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0264	JBQ	0.0115	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0226	JB	0.0169	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0667	JBQ	0.0153	MDL	5.18	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.0627	JB	0.00916	MDL	5.18	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.125	JB	0.0133	MDL	5.18	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0351	JBQ	0.0182	MDL	1.04	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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<b>Sample ID:</b> SL-100-NBZ-SS-0.0-0.5	<b>Collected:</b> 4/4/2012 9:51:00 AM	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1
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Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.0853	JQ	0.0310	MDL	1.04	PQL	ng/Kg	J	Z
OCDD	4.09	JB	0.0154	MDL	10.4	PQL	ng/Kg	J	Z
OCDF	0.331	JBQ	0.0157	MDL	10.4	PQL	ng/Kg	U	B

<b>Sample ID:</b> SL-104-NBZ-SS-0.0-0.5	<b>Collected:</b> 4/4/2012 10:40:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1
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Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.24	JB	0.0205	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.549	JB	0.0106	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0498	JBQ	0.0139	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0851	JQ	0.0171	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.187	JB	0.0124	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.259	JB	0.0191	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.130	JB	0.0135	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.275	JB	0.0187	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0544	JBQ	0.0141	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0945	JBQ	0.0212	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.263	JB	0.0191	MDL	5.20	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.140	JB	0.0117	MDL	5.20	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0290	JBQ	0.0196	MDL	1.04	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.265	J	0.0351	MDL	1.04	PQL	ng/Kg	J	Z
OCDF	0.914	JB	0.0139	MDL	10.4	PQL	ng/Kg	J	Z

<b>Sample ID:</b> SL-110-NBZ-SS-0.0-0.5	<b>Collected:</b> 4/4/2012 9:00:00 AM	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1
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Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.12	JB	0.0246	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.909	JB	0.0115	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0782	JB	0.0153	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.103	J	0.0216	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.295	JB	0.0132	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.285	JB	0.0217	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.187	JB	0.0139	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.258	JBQ	0.0234	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0233	JBQ	0.0144	MDL	5.37	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-110-NBZ-SS-0.0-0.5      Collected: 4/4/2012 9:00:00 AM      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.0953	JB	0.0239	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.334	JB	0.0305	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.216	JB	0.0129	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.163	JB	0.0261	MDL	5.37	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0235	JB	0.0204	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.361	J	0.0620	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	1.63	JB	0.0151	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-114-NBZ-SS-0.0-0.5      Collected: 4/4/2012 9:25:00 AM      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.34	JB	0.0179	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.364	JB	0.00831	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0553	JBQ	0.0115	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0554	J	0.0168	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0888	JB	0.0117	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.125	JBQ	0.0180	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0803	JB	0.0112	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.135	JBQ	0.0190	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0342	JBQ	0.0123	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0478	JB	0.0203	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.118	JBQ	0.0169	MDL	5.30	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0972	JB	0.0108	MDL	5.30	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.124	JB	0.0159	MDL	5.30	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0724	JQ	0.0355	MDL	1.06	PQL	ng/Kg	J	Z
OCDF	0.541	JB	0.0162	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-120-NBZ-SS-0.0-0.5      Collected: 4/4/2012 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	3.36	JB	0.0247	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.677	JB	0.0125	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0699	JB	0.0167	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.110	J	0.0260	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.195	JB	0.0166	MDL	5.41	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-120-NBZ-SS-0.0-0.5		Collected: 4/4/2012 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
1,2,3,6,7,8-HXCDD	0.494	JB	0.0273	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.162	JB	0.0165	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.555	JB	0.0284	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0777	JB	0.0180	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.176	JBQ	0.0321	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.262	JB	0.0215	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.162	JB	0.0148	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.283	JB	0.0183	MDL	5.41	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0626	JBQ	0.0220	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.115	JQ	0.0381	MDL	1.08	PQL	ng/Kg	J	Z
OCDF	1.28	JB	0.0180	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-149-NBZ-SS-0.0-0.5		Collected: 4/5/2012 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	2.06	JB	0.0261	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.408	JB	0.0127	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0675	JB	0.0180	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0627	JQ	0.0261	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.118	JB	0.0164	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.389	JB	0.0291	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.113	JBQ	0.0163	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.483	JB	0.0273	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.136	JB	0.0180	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.133	JBQ	0.0295	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.113	JB	0.0203	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.104	JB	0.0152	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.151	JB	0.0174	MDL	5.48	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.118	J	0.0350	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	0.630	JB	0.0231	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-155-NBZ-SS-0.0-0.5		Collected: 4/4/2012 2:55:00 PM		Analysis Type: RES				Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.01	JB	0.0245	MDL	5.37	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
<i>Sample ID: SL-155-NBZ-SS-0.0-0.5      Collected: 4/4/2012 2:55:00 PM      Analysis Type: RES      Dilution: 1</i>									
<b>Analyte</b>									
1,2,3,4,6,7,8-HPCDF	0.473	JB	0.0117	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0771	JB	0.0174	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.106	JQ	0.0228	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.219	JB	0.0145	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.413	JBQ	0.0244	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.182	JBQ	0.0145	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.563	JB	0.0244	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.217	JBQ	0.0173	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.245	JBQ	0.0311	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.354	JBQ	0.0212	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.148	JBQ	0.0140	MDL	5.37	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.358	JBQ	0.0200	MDL	5.37	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0638	JB	0.0217	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.162	J	0.0347	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	0.906	JB	0.0214	MDL	10.7	PQL	ng/Kg	J	Z

	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
<i>Sample ID: SL-165-NBZ-SS-0.0-0.5      Collected: 4/5/2012 11:20:00      Analysis Type: RES      Dilution: 1</i>									
<b>Analyte</b>									
1,2,3,4,6,7,8-HPCDD	2.40	JB	0.0208	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.443	JB	0.00937	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0620	JB	0.0132	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0794	JQ	0.0192	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0917	JBQ	0.0137	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.244	JB	0.0204	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0673	JB	0.0128	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.331	JB	0.0212	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.171	JBQ	0.0154	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0832	JBQ	0.0228	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.114	JB	0.0164	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0751	JB	0.0119	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.111	JB	0.0151	MDL	5.38	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0312	JBQ	0.0229	MDL	1.08	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0660	JQ	0.0294	MDL	1.08	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

<b>Sample ID:</b> SL-165-NBZ-SS-0.0-0.5	<b>Collected:</b> 4/5/2012 11:20:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.938	JB	0.0183	MDL	10.8	PQL	ng/Kg	J	Z

<b>Sample ID:</b> SL-175-NBZ-SS-0.0-0.5	<b>Collected:</b> 4/5/2012 9:55:00 AM	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.89	JB	0.0242	MDL	5.92	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.871	JB	0.0132	MDL	5.92	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.109	JB	0.0186	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.136	J	0.0263	MDL	5.92	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.216	JBQ	0.0153	MDL	5.92	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.720	JB	0.0259	MDL	5.92	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.202	JB	0.0155	MDL	5.92	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.846	JB	0.0276	MDL	5.92	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.133	JB	0.0181	MDL	5.92	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.206	JB	0.0277	MDL	5.92	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.174	JB	0.0224	MDL	5.92	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.195	JBQ	0.0147	MDL	5.92	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.246	JB	0.0214	MDL	5.92	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0436	JB	0.0265	MDL	1.18	PQL	ng/Kg	U	B
OCDF	1.58	JB	0.0210	MDL	11.8	PQL	ng/Kg	J	Z

<b>Sample ID:</b> SL-181-NBZ-SS-0.0-0.5	<b>Collected:</b> 4/4/2012 2:22:00 PM	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1						
Analyte	Lab 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	0.0342	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.246	JBQ	0.0127	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0737	JBQ	0.0189	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0980	JQ	0.0271	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.106	JB	0.0180	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.143	JBQ	0.0271	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.106	JB	0.0180	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.211	JBQ	0.0269	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.158	JBQ	0.0216	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0965	JBQ	0.0277	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.178	JBQ	0.0183	MDL	5.44	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method Category:	SVOA	
Method:	1613B	Matrix: SO

Sample ID: SL-181-NBZ-SS-0.0-0.5	Collected: 4/4/2012 2:22:00 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	0.0810	JBQ	0.0176	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.154	JBQ	0.0165	MDL	5.44	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.122	JBQ	0.0332	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0901	JQ	0.0309	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	4.75	JB	0.0320	MDL	10.9	PQL	ng/Kg	J	Z
OCDF	0.339	JBQ	0.0297	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-186-NBZ-SS-0.0-0.5	Collected: 4/10/2012 10:40:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.92	JB	0.0316	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.377	JB	0.0143	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0709	JBQ	0.0257	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0668	J	0.0242	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.191	JB	0.0160	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.171	JB	0.0262	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0726	JB	0.0154	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.188	JB	0.0265	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0707	JB	0.0198	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0629	JB	0.0368	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.120	JB	0.0240	MDL	5.34	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.125	JB	0.0147	MDL	5.34	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.137	JB	0.0223	MDL	5.34	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0476	JB	0.0289	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.183	J	0.0442	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	0.662	JB	0.0296	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-187-NBZ-SS-0.0-0.5	Collected: 4/4/2012 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-HPCDD	2.34	JB	0.0227	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.582	JB	0.0114	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0929	JB	0.0171	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0559	JQ	0.0211	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.112	JB	0.0141	MDL	5.45	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-187-NBZ-SS-0.0-0.5 Collected: 4/4/2012 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
1,2,3,6,7,8-HXCDD	0.238	JB	0.0227	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.103	JB	0.0138	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.243	JB	0.0229	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.100	JB	0.0170	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.115	JBQ	0.0260	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.214	JB	0.0189	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0986	JBQ	0.0133	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.102	JB	0.0168	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0577	JBQ	0.0274	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0813	J	0.0317	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	1.67	JB	0.0205	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-190-NBZ-SS-0.0-0.5 Collected: 4/5/2012 9:25:00 AM Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.51	JB	0.0187	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.469	JB	0.0104	MDL	5.08	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0663	JBQ	0.0151	MDL	5.08	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0889	J	0.0187	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.196	JB	0.0121	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.220	JB	0.0193	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.123	JB	0.0123	MDL	5.08	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.217	JB	0.0189	MDL	5.08	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0934	JB	0.0216	MDL	5.08	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.149	JBQ	0.0207	MDL	5.08	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.157	JB	0.0119	MDL	5.08	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.176	JBQ	0.0151	MDL	5.08	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0482	JB	0.0199	MDL	1.02	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.242	J	0.0421	MDL	1.02	PQL	ng/Kg	J	Z
OCDF	0.821	JB	0.0176	MDL	10.2	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

## Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
B	Method Blank Contamination
FD	Field Duplicate Precision
I	Internal Standard Estimation
S	Surrogate/Tracer Recovery Lower Estimation
Z	Reporting Limit Trace Value

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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## **Enclosure I**

### **Level III ADR Outliers (including Manual Review Outliers)**

# Quality Control Outlier Reports

DX167

# Method Blank Outlier Report

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1010B371921	4/11/2012 7:21:00 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-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDD OCDD OCDF	6.29 pg/L 2.57 pg/L 1.26 pg/L 0.486 pg/L 0.839 pg/L 0.668 pg/L 0.937 pg/L 0.800 pg/L 0.457 pg/L 0.582 pg/L 0.857 pg/L 0.636 pg/L 0.620 pg/L 12.8 pg/L 3.36 pg/L	EB-NBZ-SB-040412 EB-NBZ-SS-040412

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB-NBZ-SB-040412(RES)	1,2,3,4,6,7,8-HPCDD	13.5 pg/L	13.5U pg/L
EB-NBZ-SB-040412(RES)	1,2,3,4,6,7,8-HPCDF	6.61 pg/L	6.61U pg/L
EB-NBZ-SB-040412(RES)	1,2,3,4,7,8,9-HPCDF	1.43 pg/L	1.43U pg/L
EB-NBZ-SB-040412(RES)	1,2,3,4,7,8-HxCDD	1.18 pg/L	1.18U pg/L
EB-NBZ-SB-040412(RES)	1,2,3,4,7,8-HxCDF	1.93 pg/L	1.93U pg/L
EB-NBZ-SB-040412(RES)	1,2,3,6,7,8-HxCDD	2.38 pg/L	2.38U pg/L
EB-NBZ-SB-040412(RES)	1,2,3,6,7,8-HxCDF	1.91 pg/L	1.91U pg/L
EB-NBZ-SB-040412(RES)	1,2,3,7,8,9-HxCDD	1.30 pg/L	1.30U pg/L
EB-NBZ-SB-040412(RES)	1,2,3,7,8,9-HxCDF	1.35 pg/L	1.35U pg/L
EB-NBZ-SB-040412(RES)	1,2,3,7,8-PECDF	1.41 pg/L	1.41U pg/L
EB-NBZ-SB-040412(RES)	2,3,4,6,7,8-HxCDF	0.998 pg/L	0.998U pg/L
EB-NBZ-SB-040412(RES)	2,3,4,7,8-PECDF	2.21 pg/L	2.21U pg/L
EB-NBZ-SB-040412(RES)	OCDD	35.3 pg/L	35.3U pg/L
EB-NBZ-SB-040412(RES)	OCDF	5.46 pg/L	5.46U pg/L
EB-NBZ-SS-040412(RES)	1,2,3,4,6,7,8-HPCDD	4.82 pg/L	4.82U pg/L
EB-NBZ-SS-040412(RES)	1,2,3,4,6,7,8-HPCDF	1.80 pg/L	1.80U pg/L
EB-NBZ-SS-040412(RES)	1,2,3,4,7,8,9-HPCDF	0.837 pg/L	0.837U pg/L
EB-NBZ-SS-040412(RES)	1,2,3,4,7,8-HxCDD	0.429 pg/L	0.429U pg/L
EB-NBZ-SS-040412(RES)	1,2,3,4,7,8-HxCDF	0.854 pg/L	0.854U pg/L
EB-NBZ-SS-040412(RES)	1,2,3,6,7,8-HxCDD	0.384 pg/L	0.384U pg/L
EB-NBZ-SS-040412(RES)	1,2,3,6,7,8-HxCDF	0.570 pg/L	0.570U pg/L
EB-NBZ-SS-040412(RES)	1,2,3,7,8,9-HxCDD	0.573 pg/L	0.573U pg/L
EB-NBZ-SS-040412(RES)	1,2,3,7,8,9-HxCDF	0.768 pg/L	0.768U pg/L
EB-NBZ-SS-040412(RES)	2,3,4,6,7,8-HxCDF	0.755 pg/L	0.755U pg/L
EB-NBZ-SS-040412(RES)	2,3,4,7,8-PECDF	0.448 pg/L	0.448U pg/L
EB-NBZ-SS-040412(RES)	OCDD	13.7 pg/L	13.7U pg/L
EB-NBZ-SS-040412(RES)	OCDF	2.62 pg/L	2.62U pg/L

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1040B371325	4/17/2012 1:25:00 PM	1,2,3,4,6,7,8-HPCDD 1,2,3,4,6,7,8-HPCDF 1,2,3,4,7,8-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	0.317 ng/Kg 0.106 ng/Kg 0.0533 ng/Kg 0.0326 ng/Kg 0.0410 ng/Kg 0.0198 ng/Kg 0.0506 ng/Kg 0.0408 ng/Kg 0.0344 ng/Kg 0.0347 ng/Kg 0.0399 ng/Kg 0.0574 ng/Kg 0.0657 ng/Kg 0.733 ng/Kg 0.152 ng/Kg	DUP-07-NBZ-QC-041012 SL-009-NBZ-SS-0.0-0.5 SL-020-NBZ-SS-0.0-0.5 SL-084-NBZ-SS-0.0-0.5 SL-099-NBZ-SS-0.0-0.5 SL-100-NBZ-SS-0.0-0.5 SL-104-NBZ-SS-0.0-0.5 SL-110-NBZ-SS-0.0-0.5 SL-114-NBZ-SS-0.0-0.5 SL-120-NBZ-SS-0.0-0.5 SL-149-NBZ-SS-0.0-0.5 SL-155-NBZ-SS-0.0-0.5 SL-165-NBZ-SS-0.0-0.5 SL-175-NBZ-SS-0.0-0.5 SL-181-NBZ-SS-0.0-0.5 SL-186-NBZ-SS-0.0-0.5 SL-187-NBZ-SS-0.0-0.5 SL-190-NBZ-SS-0.0-0.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP-07-NBZ-QC-041012(RES)	1,2,3,7,8-PECDD	0.141 ng/Kg	0.141U ng/Kg
DUP-07-NBZ-QC-041012(RES)	2,3,7,8-TCDD	0.0394 ng/Kg	0.0394U ng/Kg
SL-009-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.158 ng/Kg	0.158U ng/Kg
SL-009-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0331 ng/Kg	0.0331U ng/Kg
SL-020-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.206 ng/Kg	0.206U ng/Kg
SL-020-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.103 ng/Kg	0.103U ng/Kg
SL-020-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.155 ng/Kg	0.155U ng/Kg
SL-020-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.183 ng/Kg	0.183U ng/Kg
SL-020-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.199 ng/Kg	0.199U ng/Kg
SL-020-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0338 ng/Kg	0.0338U ng/Kg
SL-084-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.245 ng/Kg	0.245U ng/Kg
SL-084-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0446 ng/Kg	0.0446U ng/Kg
SL-099-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.526 ng/Kg	0.526U ng/Kg
SL-099-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0464 ng/Kg	0.0464U ng/Kg
SL-099-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.143 ng/Kg	0.143U ng/Kg
SL-099-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.115 ng/Kg	0.115U ng/Kg
SL-099-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.139 ng/Kg	0.139U ng/Kg
SL-099-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0805 ng/Kg	0.0805U ng/Kg
SL-099-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0559 ng/Kg	0.0559U ng/Kg
SL-099-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.159 ng/Kg	0.159U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	0.802 ng/Kg	0.802U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.227 ng/Kg	0.227U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0370 ng/Kg	0.0370U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0911 ng/Kg	0.0911U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.0661 ng/Kg	0.0661U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The following samples and their listed target analytes were qualified due to contamination reported in this blank*

Sample ID	Analyte	Reported Result	Modified Final Result
SL-100-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0482 ng/Kg	0.0482U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.0601 ng/Kg	0.0601U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0264 ng/Kg	0.0264U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0226 ng/Kg	0.0226U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0667 ng/Kg	0.0667U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0627 ng/Kg	0.0627U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.125 ng/Kg	0.125U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0351 ng/Kg	0.0351U ng/Kg
SL-100-NBZ-SS-0.0-0.5(RES)	OCDF	0.331 ng/Kg	0.331U ng/Kg
SL-104-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0498 ng/Kg	0.0498U ng/Kg
SL-104-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0544 ng/Kg	0.0544U ng/Kg
SL-104-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0945 ng/Kg	0.0945U ng/Kg
SL-104-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.140 ng/Kg	0.140U ng/Kg
SL-104-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0290 ng/Kg	0.0290U ng/Kg
SL-110-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0782 ng/Kg	0.0782U ng/Kg
SL-110-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0233 ng/Kg	0.0233U ng/Kg
SL-110-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0953 ng/Kg	0.0953U ng/Kg
SL-110-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.163 ng/Kg	0.163U ng/Kg
SL-110-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0235 ng/Kg	0.0235U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.34 ng/Kg	1.34U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.364 ng/Kg	0.364U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0553 ng/Kg	0.0553U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0888 ng/Kg	0.0888U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.125 ng/Kg	0.125U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0803 ng/Kg	0.0803U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.135 ng/Kg	0.135U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0342 ng/Kg	0.0342U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0478 ng/Kg	0.0478U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.118 ng/Kg	0.118U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0972 ng/Kg	0.0972U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.124 ng/Kg	0.124U ng/Kg
SL-114-NBZ-SS-0.0-0.5(RES)	OCDF	0.541 ng/Kg	0.541U ng/Kg
SL-120-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0699 ng/Kg	0.0699U ng/Kg
SL-120-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0777 ng/Kg	0.0777U ng/Kg
SL-120-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.162 ng/Kg	0.162U ng/Kg
SL-120-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.283 ng/Kg	0.283U ng/Kg
SL-120-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0626 ng/Kg	0.0626U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method:</b>	<b>1613B</b>
<b>Matrix:</b>	<b>SO</b>

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-149-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.408 ng/Kg	0.408U ng/Kg
SL-149-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0675 ng/Kg	0.0675U ng/Kg
SL-149-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.118 ng/Kg	0.118U ng/Kg
SL-149-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.136 ng/Kg	0.136U ng/Kg
SL-149-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.133 ng/Kg	0.133U ng/Kg
SL-149-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.113 ng/Kg	0.113U ng/Kg
SL-149-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.104 ng/Kg	0.104U ng/Kg
SL-149-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.151 ng/Kg	0.151U ng/Kg
SL-149-NBZ-SS-0.0-0.5(RES)	OCDF	0.630 ng/Kg	0.630U ng/Kg
SL-155-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.473 ng/Kg	0.473U ng/Kg
SL-155-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0771 ng/Kg	0.0771U ng/Kg
SL-155-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.148 ng/Kg	0.148U ng/Kg
SL-155-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0638 ng/Kg	0.0638U ng/Kg
SL-165-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.443 ng/Kg	0.443U ng/Kg
SL-165-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0620 ng/Kg	0.0620U ng/Kg
SL-165-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0917 ng/Kg	0.0917U ng/Kg
SL-165-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0673 ng/Kg	0.0673U ng/Kg
SL-165-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.171 ng/Kg	0.171U ng/Kg
SL-165-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0832 ng/Kg	0.0832U ng/Kg
SL-165-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.114 ng/Kg	0.114U ng/Kg
SL-165-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0751 ng/Kg	0.0751U ng/Kg
SL-165-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.111 ng/Kg	0.111U ng/Kg
SL-165-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0312 ng/Kg	0.0312U ng/Kg
SL-175-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.109 ng/Kg	0.109U ng/Kg
SL-175-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.133 ng/Kg	0.133U ng/Kg
SL-175-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.195 ng/Kg	0.195U ng/Kg
SL-175-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.246 ng/Kg	0.246U ng/Kg
SL-175-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0436 ng/Kg	0.0436U ng/Kg
SL-181-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	0.907 ng/Kg	0.907U ng/Kg
SL-181-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.246 ng/Kg	0.246U ng/Kg
SL-181-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0737 ng/Kg	0.0737U ng/Kg
SL-181-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.106 ng/Kg	0.106U ng/Kg
SL-181-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.143 ng/Kg	0.143U ng/Kg
SL-181-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.211 ng/Kg	0.211U ng/Kg
SL-181-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.158 ng/Kg	0.158U ng/Kg
SL-181-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0965 ng/Kg	0.0965U ng/Kg
SL-181-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0810 ng/Kg	0.0810U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The following samples and their listed target analytes were qualified due to contamination reported in this blank*

Sample ID	Analyte	Reported Result	Modified Final Result
SL-181-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.154 ng/Kg	0.154U ng/Kg
SL-181-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.122 ng/Kg	0.122U ng/Kg
SL-181-NBZ-SS-0.0-0.5(RES)	OCDF	0.339 ng/Kg	0.339U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.377 ng/Kg	0.377U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0709 ng/Kg	0.0709U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.171 ng/Kg	0.171U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0726 ng/Kg	0.0726U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.188 ng/Kg	0.188U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0707 ng/Kg	0.0707U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0629 ng/Kg	0.0629U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.120 ng/Kg	0.120U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.125 ng/Kg	0.125U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.137 ng/Kg	0.137U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0476 ng/Kg	0.0476U ng/Kg
SL-186-NBZ-SS-0.0-0.5(RES)	OCDF	0.662 ng/Kg	0.662U ng/Kg
SL-187-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0929 ng/Kg	0.0929U ng/Kg
SL-187-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.112 ng/Kg	0.112U ng/Kg
SL-187-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.243 ng/Kg	0.243U ng/Kg
SL-187-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.100 ng/Kg	0.100U ng/Kg
SL-187-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.115 ng/Kg	0.115U ng/Kg
SL-187-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0986 ng/Kg	0.0986U ng/Kg
SL-187-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
SL-187-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0577 ng/Kg	0.0577U ng/Kg
SL-190-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.469 ng/Kg	0.469U ng/Kg
SL-190-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0663 ng/Kg	0.0663U ng/Kg
SL-190-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.217 ng/Kg	0.217U ng/Kg
SL-190-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0934 ng/Kg	0.0934U ng/Kg
SL-190-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.149 ng/Kg	0.149U ng/Kg
SL-190-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.157 ng/Kg	0.157U ng/Kg
SL-190-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.176 ng/Kg	0.176U ng/Kg
SL-190-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0482 ng/Kg	0.0482U ng/Kg

# Internal Standards Outlier Report

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: AQ

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB-NBZ-SB- 040412	13C-1,2,3,4,6,7,8-HpCDD	18	23.00-140.00	1,2,3,4,6,7,8-HpCDD	J (all detects) UJ (all non-detects)
	13C-1,2,3,4,6,7,8-HpCDF	18	28.00-143.00	1,2,3,4,6,7,8-HpCDF	
	13C-1,2,3,4,7,8,9-HpCDF	17	26.00-138.00	1,2,3,4,7,8,9-HpCDF	
	13C-1,2,3,4,7,8-HxCDD	20	32.00-141.00	1,2,3,4,7,8-HxCDD	
	13C-1,2,3,4,7,8-HxCDF	18	26.00-152.00	1,2,3,4,7,8-HxCDF	
	13C-1,2,3,6,7,8-HxCDD	19	28.00-130.00	1,2,3,6,7,8-HxCDD	
	13C-1,2,3,6,7,8-HxCDF	18	26.00-123.00	1,2,3,6,7,8-HxCDF	
	13C-1,2,3,7,8,9-HxCDD	19	28.00-130.00	1,2,3,7,8,9-HxCDD	
	13C-1,2,3,7,8,9-HxCDF	20	29.00-147.00	1,2,3,7,8,9-HxCDF	
	13C-1,2,3,7,8-PeCDD	22	25.00-181.00	1,2,3,7,8-PeCDD	
	13C-1,2,3,7,8-PeCDF	20	24.00-185.00	1,2,3,7,8-PeCDF	
	13C-2,3,4,6,7,8-HxCDF	20	28.00-136.00	2,3,4,6,7,8-HxCDF	
	13C-2,3,7,8-TCDD	23	25.00-164.00	2,3,7,8-TCDD	
	13C-OCDF	16	17.00-157.00	OCDF	

# Field Duplicate RPD Report

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 160.3M

Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-009-NBZ-SS-0.0-0.5	DUP-07-NBZ-QC-041012			
MOISTURE	12.2	12.8	5		No Qualifiers Applied

Method: 1613B

Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag	
	SL-009-NBZ-SS-0.0-0.5	DUP-07-NBZ-QC-041012				
1,2,3,4,6,7,8-HPCDD	7.21	7.13	1	50.00	No Qualifiers Applied	
1,2,3,4,6,7,8-HPCDF	1.24	1.21	2	50.00		
1,2,3,4,7,8-HxCDD	0.218	0.182	18	50.00		
1,2,3,4,7,8-HxCDF	1.87	1.61	15	50.00		
1,2,3,6,7,8-HxCDD	0.490	0.413	17	50.00		
1,2,3,6,7,8-HxCDF	0.672	0.620	8	50.00		
1,2,3,7,8,9-HxCDD	0.384	0.409	6	50.00		
1,2,3,7,8,9-HxCDF	0.248	0.248	0	50.00		
1,2,3,7,8-PECDF	5.76	4.06	35	50.00		
2,3,4,6,7,8-HxCDF	0.364	0.362	1	50.00		
2,3,4,7,8-PECDF	1.52	1.23	21	50.00		
2,3,7,8-TCDD	0.0331	0.0394	17	50.00		
2,3,7,8-TCDF	1.47	1.27	15	50.00		
OCDD	63.9	62.2	3	50.00		
OCDF	1.72	2.02	16	50.00		
1,2,3,4,7,8,9-HPCDF	0.158	0.291	59	50.00		J(all detects)
1,2,3,7,8-PECDD	0.266	0.141	61	50.00		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-NBZ-SB-040412	1,2,3,4,6,7,8-HPCDF	JB	6.61	9.43	PQL	pg/L	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	1.43	9.43	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JB	1.18	9.43	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	1.93	9.43	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JB	2.38	9.43	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JB	1.91	9.43	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JB	1.30	9.43	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JB	1.35	9.43	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	1.41	9.43	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	0.998	9.43	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	2.21	9.43	PQL	pg/L	
	OCDF	JB	5.46	18.9	PQL	pg/L	
	EB-NBZ-SS-040412	1,2,3,4,6,7,8-HPCDD	JB	4.82	9.42	PQL	
1,2,3,4,6,7,8-HPCDF		JB	1.80	9.42	PQL	pg/L	
1,2,3,4,7,8,9-HPCDF		JB	0.837	9.42	PQL	pg/L	
1,2,3,4,7,8-HxCDD		JBQ	0.429	9.42	PQL	pg/L	
1,2,3,4,7,8-HXCDF		JB	0.854	9.42	PQL	pg/L	
1,2,3,6,7,8-HxCDD		JBQ	0.384	9.42	PQL	pg/L	
1,2,3,6,7,8-HXCDF		JBQ	0.570	9.42	PQL	pg/L	
1,2,3,7,8,9-HxCDD		JBQ	0.573	9.42	PQL	pg/L	
1,2,3,7,8,9-HXCDF		JBQ	0.768	9.42	PQL	pg/L	
2,3,4,6,7,8-HXCDF		JBQ	0.755	9.42	PQL	pg/L	
2,3,4,7,8-PECDF		JBQ	0.448	9.42	PQL	pg/L	
OCDD		JB	13.7	18.8	PQL	pg/L	
OCDF		JB	2.62	18.8	PQL	pg/L	

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-07-NBZ-QC-041012	1,2,3,4,6,7,8-HPCDF	JB	1.21	5.71	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.291	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.182	5.71	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.61	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.413	5.71	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.620	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.409	5.71	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.248	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.141	5.71	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	4.06	5.71	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.362	5.71	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.23	5.71	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0394	1.14	PQL	ng/Kg	
	OCDF	JB	2.02	11.4	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-009-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.24	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.158	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.218	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.87	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.490	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.672	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.384	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.248	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.266	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.364	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.52	5.65	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0331	1.13	PQL	ng/Kg	
	OCDF	JB	1.72	11.3	PQL	ng/Kg	
	SL-020-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.27	5.63	PQL	
1,2,3,4,7,8,9-HPCDF		JB	0.206	5.63	PQL	ng/Kg	
1,2,3,4,7,8-HxCDD		J	0.235	5.63	PQL	ng/Kg	
1,2,3,4,7,8-HXCDF		JB	0.299	5.63	PQL	ng/Kg	
1,2,3,6,7,8-HxCDD		JB	0.584	5.63	PQL	ng/Kg	
1,2,3,6,7,8-HXCDF		JB	0.185	5.63	PQL	ng/Kg	
1,2,3,7,8,9-HxCDD		JB	0.418	5.63	PQL	ng/Kg	
1,2,3,7,8,9-HXCDF		JB	0.103	5.63	PQL	ng/Kg	
1,2,3,7,8-PECDD		JBQ	0.155	5.63	PQL	ng/Kg	
1,2,3,7,8-PECDF		JBQ	0.239	5.63	PQL	ng/Kg	
2,3,4,6,7,8-HXCDF		JBQ	0.183	5.63	PQL	ng/Kg	
2,3,4,7,8-PECDF		JBQ	0.199	5.63	PQL	ng/Kg	
2,3,7,8-TCDD		JBQ	0.0338	1.13	PQL	ng/Kg	
2,3,7,8-TCDF		J	0.140	1.13	PQL	ng/Kg	
OCDF	JB	6.17	11.3	PQL	ng/Kg		
SL-084-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.32	5.62	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.245	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.281	5.62	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.07	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.769	5.62	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.693	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.612	5.62	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.293	5.62	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.211	5.62	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.386	5.62	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.42	5.62	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0446	1.12	PQL	ng/Kg	
	OCDF	JB	3.34	11.2	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-099-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.70	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.526	5.46	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0464	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0758	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.143	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.115	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.145	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.139	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0805	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0559	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.251	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.159	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.304	5.46	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.192	1.09	PQL	ng/Kg	
	OCDD	JB	10.3	10.9	PQL	ng/Kg	
	OCDF	JB	0.884	10.9	PQL	ng/Kg	
SL-100-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JBQ	0.802	5.18	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.227	5.18	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0370	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0280	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0911	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0661	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0482	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.0601	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0264	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0226	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0667	5.18	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0627	5.18	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.125	5.18	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0351	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0853	1.04	PQL	ng/Kg	
	OCDD	JB	4.09	10.4	PQL	ng/Kg	
OCDF	JBQ	0.331	10.4	PQL	ng/Kg		
SL-104-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.24	5.20	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.549	5.20	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0498	5.20	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0851	5.20	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.187	5.20	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.259	5.20	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.130	5.20	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.275	5.20	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0544	5.20	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0945	5.20	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.263	5.20	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.140	5.20	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0290	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.265	1.04	PQL	ng/Kg	
	OCDF	JB	0.914	10.4	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-110-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.12	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.909	5.37	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0782	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.103	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.295	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.285	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.187	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.258	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0233	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0953	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.334	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.216	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.163	5.37	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0235	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.361	1.07	PQL	ng/Kg	
	OCDF	JB	1.63	10.7	PQL	ng/Kg	
SL-114-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.34	5.30	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.364	5.30	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0553	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0554	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0888	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.125	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0803	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.135	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0342	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0478	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.118	5.30	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0972	5.30	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.124	5.30	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0724	1.06	PQL	ng/Kg	
	OCDF	JB	0.541	10.6	PQL	ng/Kg	
	SL-120-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.36	5.41	PQL	
1,2,3,4,6,7,8-HPCDF		JB	0.677	5.41	PQL	ng/Kg	
1,2,3,4,7,8,9-HPCDF		JB	0.0699	5.41	PQL	ng/Kg	
1,2,3,4,7,8-HxCDD		J	0.110	5.41	PQL	ng/Kg	
1,2,3,4,7,8-HxCDF		JB	0.195	5.41	PQL	ng/Kg	
1,2,3,6,7,8-HxCDD		JB	0.494	5.41	PQL	ng/Kg	
1,2,3,6,7,8-HxCDF		JB	0.162	5.41	PQL	ng/Kg	
1,2,3,7,8,9-HxCDD		JB	0.555	5.41	PQL	ng/Kg	
1,2,3,7,8,9-HxCDF		JB	0.0777	5.41	PQL	ng/Kg	
1,2,3,7,8-PECDD		JBQ	0.176	5.41	PQL	ng/Kg	
1,2,3,7,8-PECDF		JB	0.262	5.41	PQL	ng/Kg	
2,3,4,6,7,8-HxCDF		JB	0.162	5.41	PQL	ng/Kg	
2,3,4,7,8-PECDF		JB	0.283	5.41	PQL	ng/Kg	
2,3,7,8-TCDD		JBQ	0.0626	1.08	PQL	ng/Kg	
2,3,7,8-TCDF		JQ	0.115	1.08	PQL	ng/Kg	
OCDF		JB	1.28	10.8	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-149-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.06	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.408	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0675	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0627	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.118	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.389	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.113	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.483	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.136	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.133	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.113	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.104	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.151	5.48	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.118	1.10	PQL	ng/Kg	
	OCDF	JB	0.630	11.0	PQL	ng/Kg	
	SL-155-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.01	5.37	PQL	
1,2,3,4,6,7,8-HPCDF		JB	0.473	5.37	PQL	ng/Kg	
1,2,3,4,7,8,9-HPCDF		JB	0.0771	5.37	PQL	ng/Kg	
1,2,3,4,7,8-HxCDD		JQ	0.106	5.37	PQL	ng/Kg	
1,2,3,4,7,8-HxCDF		JB	0.219	5.37	PQL	ng/Kg	
1,2,3,6,7,8-HxCDD		JBQ	0.413	5.37	PQL	ng/Kg	
1,2,3,6,7,8-HxCDF		JBQ	0.182	5.37	PQL	ng/Kg	
1,2,3,7,8,9-HxCDD		JB	0.563	5.37	PQL	ng/Kg	
1,2,3,7,8,9-HxCDF		JBQ	0.217	5.37	PQL	ng/Kg	
1,2,3,7,8-PECDD		JBQ	0.245	5.37	PQL	ng/Kg	
1,2,3,7,8-PECDF		JBQ	0.354	5.37	PQL	ng/Kg	
2,3,4,6,7,8-HxCDF		JBQ	0.148	5.37	PQL	ng/Kg	
2,3,4,7,8-PECDF		JBQ	0.358	5.37	PQL	ng/Kg	
2,3,7,8-TCDD		JB	0.0638	1.07	PQL	ng/Kg	
2,3,7,8-TCDF		J	0.162	1.07	PQL	ng/Kg	
OCDF		JB	0.906	10.7	PQL	ng/Kg	
SL-165-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.40	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.443	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0620	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0794	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0917	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.244	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0673	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.331	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.171	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0832	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.114	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0751	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.111	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0312	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0660	1.08	PQL	ng/Kg	
	OCDF	JB	0.938	10.8	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-175-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.89	5.92	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.871	5.92	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.109	5.92	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.136	5.92	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.216	5.92	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.720	5.92	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.202	5.92	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.846	5.92	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.133	5.92	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.206	5.92	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.174	5.92	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.195	5.92	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.246	5.92	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0436	1.18	PQL	ng/Kg	
	OCDF	JB	1.58	11.8	PQL	ng/Kg	
SL-181-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	0.907	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.246	5.44	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0737	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0980	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.106	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.143	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.106	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.211	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.158	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0965	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.178	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0810	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.154	5.44	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.122	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0901	1.09	PQL	ng/Kg	
OCDD	JB	4.75	10.9	PQL	ng/Kg		
OCDF	JBQ	0.339	10.9	PQL	ng/Kg		
SL-186-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.92	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.377	5.34	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0709	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0668	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.191	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.171	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0726	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.188	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0707	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0629	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.120	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.125	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.137	5.34	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0476	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.183	1.07	PQL	ng/Kg	
OCDF	JB	0.662	10.7	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX167

Laboratory: LL

EDD Filename: DX167\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-187-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.34	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.582	5.45	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0929	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0559	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.112	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.238	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.103	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.243	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.100	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.115	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.214	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.0986	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.102	5.45	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0577	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0813	1.09	PQL	ng/Kg	
	OCDF	JB	1.67	10.9	PQL	ng/Kg	
SL-190-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.51	5.08	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.469	5.08	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0663	5.08	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0889	5.08	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.196	5.08	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.220	5.08	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.123	5.08	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.217	5.08	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0934	5.08	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.149	5.08	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.157	5.08	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.176	5.08	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0482	1.02	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.242	1.02	PQL	ng/Kg	
	OCDF	JB	0.821	10.2	PQL	ng/Kg	

# **SAMPLE DELIVERY GROUP**

**DX168**

## **Attachment I**

### **Sample ID Cross Reference and Data Review Level**

## Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
09-Apr-2012	SL-001-NBZ-SS-0.0-0.5	6612349	N	METHOD	1613B	III
09-Apr-2012	SL-151-NBZ-SS-0.0-0.5	6612350	N	METHOD	1613B	III
09-Apr-2012	SL-185-NBZ-SS-0.0-0.5	6612354	N	METHOD	1613B	III
09-Apr-2012	SL-191-NBZ-SS-0.0-0.5	6612355	N	METHOD	1613B	III
09-Apr-2012	SL-191-NBZ-SS-0.0-0.5 MS	6612356	MS	METHOD	1613B	III
09-Apr-2012	SL-191-NBZ-SS-0.0-0.5 MSD	6612357	MSD	METHOD	1613B	III
09-Apr-2012	SL-157-NBZ-SS-0.0-0.5	6612351	N	METHOD	1613B	III
09-Apr-2012	SL-167-NBZ-SS-0.0-0.5	6612352	N	METHOD	1613B	III
09-Apr-2012	SL-174-NBZ-SS-0.0-0.5	6612353	N	METHOD	1613B	III
09-Apr-2012	DUP-06-NBZ-QC-041012	6612358	FD	METHOD	1613B	III
10-Apr-2012	SL-085-NBZ-SS-0.0-0.5	6615670	N	METHOD	1613B	III
10-Apr-2012	SL-188-NBZ-SS-0.0-0.5	6615668	N	METHOD	1613B	III
10-Apr-2012	SL-177-NBZ-SS-0.0-0.5	6615669	N	METHOD	1613B	III
11-Apr-2012	SL-004-NBZ-SS-0.0-0.5	6615671	N	METHOD	1613B	III
11-Apr-2012	SL-168-NBZ-SS-0.0-0.5	6615676	N	METHOD	1613B	III
11-Apr-2012	SL-154-NBZ-SS-0.0-0.5	6615674	N	METHOD	1613B	III
11-Apr-2012	SL-182-NBZ-SS-0.0-0.5	6615678	N	METHOD	1613B	III
11-Apr-2012	SL-163-NBZ-SS-0.0-0.5	6615675	N	METHOD	1613B	III
11-Apr-2012	SL-176-NBZ-SS-0.0-0.5	6615677	N	METHOD	1613B	III
11-Apr-2012	SL-148-NBZ-SS-0.0-0.5	6615673	N	METHOD	1613B	III
11-Apr-2012	SL-145-NBZ-SS-0.0-0.5	6615672	N	METHOD	1613B	III
12-Apr-2012	SL-011-NBZ-SS-0.0-0.5	6615679	N	METHOD	1613B	III

## **Attachment II**

### **Overall Data Qualification Summary**

# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method Category:	SVOA	
Method:	1613B	Matrix: SO

Sample ID: DUP-06-NBZ-QC-041012

Collected: 4/9/2012 3:20:00 PM Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.13	JB	0.0348	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.668	JB	0.0135	MDL	5.30	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.114	JBQ	0.0213	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.112	JQ	0.0319	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.293	JB	0.0255	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.741	JB	0.0349	MDL	5.30	PQL	ng/Kg	J	Z, FD
1,2,3,6,7,8-HXCDF	0.655	JB	0.0241	MDL	5.30	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDD	0.676	JB	0.0351	MDL	5.30	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.349	JB	0.0299	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.233	JBQ	0.0419	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.607	JB	0.0322	MDL	5.30	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.185	JB	0.0227	MDL	5.30	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.371	JB	0.0304	MDL	5.30	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0695	JBQ	0.0362	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.248	J	0.0546	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	12.9	B	0.0290	MDL	10.6	PQL	ng/Kg	J	FD
OCDF	1.37	JB	0.0288	MDL	10.6	PQL	ng/Kg	J	Z, FD

Sample ID: SL-001-NBZ-SS-0.0-0.5

Collected: 4/9/2012 9:36:00 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	1.25	JB	0.0287	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.361	JB	0.0161	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0511	JBQ	0.0235	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0520	J	0.0235	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0831	JBQ	0.0149	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.131	JBQ	0.0243	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0663	JBQ	0.0140	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.184	JB	0.0262	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0615	JB	0.0185	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0467	JB	0.0277	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0819	JB	0.0179	MDL	5.54	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

9/6/2012 1:29:26 PM

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-001-NBZ-SS-0.0-0.5      Collected: 4/9/2012 9:36:00 AM      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.0689	JB	0.0135	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0778	JB	0.0164	MDL	5.54	PQL	ng/Kg	U	B
OCDD	6.56	JB	0.0258	MDL	11.1	PQL	ng/Kg	J	Z
OCDF	0.660	JB	0.0286	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-004-NBZ-SS-0.0-0.5      Collected: 4/11/2012 9:12:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.60	JB	0.0371	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.658	JB	0.0168	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0820	JBQ	0.0266	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0858	J	0.0286	MDL	5.93	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.365	JB	0.0286	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.321	JB	0.0308	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.111	JBQ	0.0261	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.322	JBQ	0.0313	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0985	JBQ	0.0316	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.121	JB	0.0542	MDL	5.93	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.22	JB	0.0479	MDL	5.93	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.165	JBQ	0.0245	MDL	5.93	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.382	JB	0.0433	MDL	5.93	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.400	J	0.116	MDL	1.19	PQL	ng/Kg	J	Z
OCDF	1.30	JB	0.0288	MDL	11.9	PQL	ng/Kg	J	Z

Sample ID: SL-011-NBZ-SS-0.0-0.5      Collected: 4/12/2012 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-HPCDD	2.18	JB	0.0249	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.511	JB	0.0160	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0751	JBQ	0.0266	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0936	JQ	0.0253	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.172	JB	0.0247	MDL	5.65	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-011-NBZ-SS-0.0-0.5      Collected: 4/12/2012 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
1,2,3,6,7,8-HXCDD	0.225	JB	0.0271	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0978	JBQ	0.0224	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.213	JB	0.0289	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.130	JBQ	0.0286	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.106	JBQ	0.0270	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.308	JBQ	0.0284	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.190	JBQ	0.0224	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.228	JBQ	0.0266	MDL	5.65	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0632	JB	0.0269	MDL	1.13	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.131	JQ	0.0439	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	0.851	JBQ	0.0350	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-085-NBZ-SS-0.0-0.5      Collected: 4/10/2012 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
1,2,3,4,7,8,9-HPCDF	0.792	JB	0.0411	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.679	J	0.0460	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.20	JB	0.0362	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.76	JB	0.0489	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.756	JB	0.0335	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.33	JB	0.0505	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.459	JB	0.0406	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.332	JB	0.0574	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	4.22	JB	0.0651	MDL	5.91	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.582	JB	0.0324	MDL	5.91	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.690	JB	0.0602	MDL	5.91	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.926	J	0.154	MDL	1.18	PQL	ng/Kg	J	Z

Sample ID: SL-145-NBZ-SS-0.0-0.5      Collected: 4/11/2012 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	1.87	JB	0.0309	MDL	6.29	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-145-NBZ-SS-0.0-0.5      Collected: 4/11/2012 2:35:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.589	JB	0.0153	MDL	6.29	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0602	JB	0.0241	MDL	6.29	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0785	JQ	0.0293	MDL	6.29	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.236	JB	0.0236	MDL	6.29	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.162	JB	0.0307	MDL	6.29	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.136	JB	0.0223	MDL	6.29	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.158	JB	0.0318	MDL	6.29	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0740	JB	0.0421	MDL	6.29	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.298	JB	0.0355	MDL	6.29	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.165	JB	0.0222	MDL	6.29	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.143	JB	0.0330	MDL	6.29	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.280	J	0.0684	MDL	1.26	PQL	ng/Kg	J	Z
OCDD	9.67	JB	0.0260	MDL	12.6	PQL	ng/Kg	J	Z
OCDF	0.851	JB	0.0286	MDL	12.6	PQL	ng/Kg	U	B

Sample ID: SL-148-NBZ-SS-0.0-0.5      Collected: 4/11/2012 2:03:00      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	0.862	JB	0.0285	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.336	JB	0.0125	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.140	JB	0.0216	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.101	J	0.0258	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.214	JBQ	0.0211	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.140	JB	0.0259	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.125	JBQ	0.0190	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.130	JB	0.0290	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.199	JBQ	0.0250	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.138	JB	0.0255	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.218	JB	0.0204	MDL	5.89	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.132	JBQ	0.0201	MDL	5.89	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.172	JBQ	0.0190	MDL	5.89	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0527	JBQ	0.0243	MDL	1.18	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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<b>Sample ID:</b> SL-148-NBZ-SS-0.0-0.5	<b>Collected:</b> 4/11/2012 2:03:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1
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Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.111	JQ	0.0377	MDL	1.18	PQL	ng/Kg	J	Z
OCDD	4.63	JB	0.0253	MDL	11.8	PQL	ng/Kg	J	Z
OCDF	0.816	JB	0.0303	MDL	11.8	PQL	ng/Kg	U	B

<b>Sample ID:</b> SL-151-NBZ-SS-0.0-0.5	<b>Collected:</b> 4/9/2012 10:15:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1
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Analyte	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	0.0381	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.376	JB	0.0183	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0456	JBQ	0.0246	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0583	J	0.0266	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.118	JBQ	0.0213	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.105	JBQ	0.0270	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.0785	JB	0.0192	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.104	JBQ	0.0292	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.0365	JBQ	0.0234	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0590	JBQ	0.0405	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.217	JB	0.0270	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.111	JB	0.0186	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.199	JB	0.0239	MDL	5.49	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0378	JBQ	0.0367	MDL	1.10	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.123	JQ	0.0474	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	7.59	JB	0.0267	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.580	JBQ	0.0303	MDL	11.0	PQL	ng/Kg	U	B

<b>Sample ID:</b> SL-154-NBZ-SS-0.0-0.5	<b>Collected:</b> 4/11/2012 10:06:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1
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Analyte	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	JBQ	0.0309	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.951	JB	0.0184	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.195	JBQ	0.0333	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.139	JQ	0.0318	MDL	5.83	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-154-NBZ-SS-0.0-0.5 Collected: 4/11/2012 10:06:00 Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.321	JB	0.0309	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.37	JB	0.0357	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.340	JB	0.0274	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.70	JB	0.0362	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.769	JB	0.0386	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.320	JB	0.0315	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.640	JBQ	0.0301	MDL	5.83	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.343	JB	0.0291	MDL	5.83	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.410	JB	0.0312	MDL	5.83	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0988	JBQ	0.0275	MDL	1.17	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.269	J	0.0548	MDL	1.17	PQL	ng/Kg	J	Z
OCDF	1.78	JB	0.0319	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-157-NBZ-SS-0.0-0.5 Collected: 4/9/2012 1:47:00 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	3.30	JB	0.0335	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.818	JB	0.0182	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0631	JBQ	0.0254	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0951	JQ	0.0279	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.239	JB	0.0236	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.317	JB	0.0281	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.184	JBQ	0.0223	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.339	JBQ	0.0306	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0770	JBQ	0.0269	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.110	JB	0.0349	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.335	JB	0.0357	MDL	5.37	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.204	JB	0.0224	MDL	5.37	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.158	JB	0.0354	MDL	5.37	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.338	J	0.0586	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	1.27	JB	0.0249	MDL	10.7	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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	Collected: 4/11/2012 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	0.440	JB	0.0229	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.198	JB	0.0112	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0907	JBQ	0.0212	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0648	J	0.0212	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.126	JB	0.0168	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.115	JB	0.0211	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.106	JB	0.0147	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0846	JBQ	0.0231	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.117	JBQ	0.0225	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.107	JBQ	0.0252	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.165	JBQ	0.0145	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,6,7,8-HxCDF	0.111	JB	0.0157	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.172	JBQ	0.0144	MDL	5.75	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0324	JBQ	0.0247	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0407	JQ	0.0225	MDL	1.15	PQL	ng/Kg	J	Z
OCDD	1.23	JB	0.0216	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.254	JB	0.0335	MDL	11.5	PQL	ng/Kg	U	B

	Collected: 4/9/2012 2:12:00 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	2.77	JB	0.0506	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.697	JB	0.0286	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0572	JB	0.0478	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.107	JQ	0.0441	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.201	JB	0.0425	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	1.35	JB	0.0471	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.274	JB	0.0395	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.65	JB	0.0492	MDL	5.20	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.272	JB	0.0551	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.253	JBQ	0.0581	MDL	5.20	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.360	JBQ	0.0463	MDL	5.20	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-167-NBZ-SS-0.0-0.5      Collected: 4/9/2012 2:12:00 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	0.253	JB	0.0382	MDL	5.20	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.320	JB	0.0459	MDL	5.20	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.114	JQ	0.0775	MDL	1.04	PQL	ng/Kg	J	Z
OCDF	0.936	JB	0.0483	MDL	10.4	PQL	ng/Kg	U	B

Sample ID: SL-168-NBZ-SS-0.0-0.5      Collected: 4/11/2012 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-HPCDD	1.42	JB	0.0250	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.377	JB	0.0142	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0657	JB	0.0216	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0576	JQ	0.0220	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.128	JBQ	0.0208	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.145	JBQ	0.0235	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0988	JB	0.0197	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.143	JB	0.0241	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.117	JB	0.0255	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.195	JB	0.0214	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.123	JB	0.0193	MDL	5.47	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0816	J	0.0341	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	8.61	JB	0.0254	MDL	10.9	PQL	ng/Kg	J	Z
OCDF	0.728	JB	0.0280	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-174-NBZ-SS-0.0-0.5      Collected: 4/9/2012 2:46:00 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	1.55	JB	0.0269	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.359	JB	0.0143	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0384	JBQ	0.0252	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0604	J	0.0255	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.128	JB	0.0172	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.156	JB	0.0252	MDL	5.34	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-174-NBZ-SS-0.0-0.5      Collected: 4/9/2012 2:46:00 PM      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.0753	JB	0.0156	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.156	JB	0.0274	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0234	JB	0.0204	MDL	5.34	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.141	JBQ	0.0213	MDL	5.34	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.115	JB	0.0161	MDL	5.34	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.132	JB	0.0210	MDL	5.34	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.156	J	0.0362	MDL	1.07	PQL	ng/Kg	J	Z
OCDD	8.96	JB	0.0290	MDL	10.7	PQL	ng/Kg	J	Z
OCDF	0.533	JB	0.0251	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-176-NBZ-SS-0.0-0.5      Collected: 4/11/2012 1:48:00      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	0.623	JB	0.0230	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.217	JBQ	0.0122	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0710	JBQ	0.0190	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0579	JQ	0.0232	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0904	JB	0.0160	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0880	JB	0.0235	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0755	JB	0.0144	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.106	JBQ	0.0259	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.108	JB	0.0209	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0465	JBQ	0.0370	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0935	JBQ	0.0162	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0879	JB	0.0155	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0879	JB	0.0147	MDL	5.73	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0568	JBQ	0.0426	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0373	JQ	0.0281	MDL	1.15	PQL	ng/Kg	J	Z
OCDD	2.34	JB	0.0188	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.309	JB	0.0303	MDL	11.5	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

	Collected: 4/10/2012 3:10:00	Analysis Type: RES	Dilution: 1							
Sample ID: SL-177-NBZ-SS-0.0-0.5										
Analyte	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	JB	0.0314	MDL	5.24	PQL	ng/Kg	J	Z	
1,2,3,4,6,7,8-HPCDF	0.513	JB	0.0152	MDL	5.24	PQL	ng/Kg	U	B	
1,2,3,4,7,8,9-HPCDF	0.0363	JB	0.0276	MDL	5.24	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.0716	JQ	0.0263	MDL	5.24	PQL	ng/Kg	J	Z	
1,2,3,4,7,8-HXCDF	0.179	JBQ	0.0233	MDL	5.24	PQL	ng/Kg	U	B	
1,2,3,6,7,8-HxCDD	0.165	JB	0.0263	MDL	5.24	PQL	ng/Kg	U	B	
1,2,3,6,7,8-HXCDF	0.149	JB	0.0212	MDL	5.24	PQL	ng/Kg	U	B	
1,2,3,7,8,9-HxCDD	0.150	JB	0.0278	MDL	5.24	PQL	ng/Kg	U	B	
1,2,3,7,8,9-HXCDF	0.106	JB	0.0274	MDL	5.24	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDD	0.0800	JB	0.0332	MDL	5.24	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDF	0.320	JB	0.0322	MDL	5.24	PQL	ng/Kg	U	B	
2,3,4,6,7,8-HXCDF	0.208	JB	0.0214	MDL	5.24	PQL	ng/Kg	U	B	
2,3,4,7,8-PECDF	0.273	JB	0.0311	MDL	5.24	PQL	ng/Kg	U	B	
2,3,7,8-TCDF	0.235	J	0.0669	MDL	1.05	PQL	ng/Kg	J	Z	
OCDF	0.830	JB	0.0295	MDL	10.5	PQL	ng/Kg	U	B	

	Collected: 4/11/2012 10:41:00	Analysis Type: RES	Dilution: 1							
Sample ID: SL-182-NBZ-SS-0.0-0.5										
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	5.59	JB	0.0370	MDL	5.75	PQL	ng/Kg	J	Z	
1,2,3,4,7,8,9-HPCDF	0.513	JB	0.0520	MDL	5.75	PQL	ng/Kg	U	B	
1,2,3,4,7,8-HxCDD	0.515	J	0.0399	MDL	5.75	PQL	ng/Kg	J	Z	
1,2,3,4,7,8-HXCDF	1.00	JB	0.0369	MDL	5.75	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HxCDD	1.24	JB	0.0423	MDL	5.75	PQL	ng/Kg	J	Z	
1,2,3,6,7,8-HXCDF	0.635	JB	0.0355	MDL	5.75	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HxCDD	0.800	JBQ	0.0461	MDL	5.75	PQL	ng/Kg	J	Z	
1,2,3,7,8,9-HXCDF	0.382	JB	0.0437	MDL	5.75	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDD	0.324	JBQ	0.0461	MDL	5.75	PQL	ng/Kg	U	B	
1,2,3,7,8-PECDF	3.49	JB	0.0567	MDL	5.75	PQL	ng/Kg	J	Z	
2,3,4,6,7,8-HXCDF	0.457	JB	0.0349	MDL	5.75	PQL	ng/Kg	J	Z	
2,3,4,7,8-PECDF	0.181	JBQ	0.0524	MDL	5.75	PQL	ng/Kg	U	B	
2,3,7,8-TCDD	0.0550	JBQ	0.0353	MDL	1.15	PQL	ng/Kg	U	B	

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-182-NBZ-SS-0.0-0.5      Collected: 4/11/2012 10:41:00      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	1.01	J	0.121	MDL	1.15	PQL	ng/Kg	J	Z

Sample ID: SL-185-NBZ-SS-0.0-0.5      Collected: 4/9/2012 10:50:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.85	JB	0.0575	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.464	JB	0.0204	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0497	JB	0.0367	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0934	JQ	0.0398	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.224	JB	0.0354	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.294	JBQ	0.0416	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.110	JB	0.0297	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.254	JBQ	0.0432	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.266	JB	0.0390	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.127	JB	0.0570	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.298	JBQ	0.0334	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.146	JBQ	0.0300	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.329	JB	0.0341	MDL	5.48	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.141	J	0.0686	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	0.757	JB	0.0471	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-188-NBZ-SS-0.0-0.5      Collected: 4/10/2012 2:41:00      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-HPCDD	2.92	JB	0.0375	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.599	JB	0.0149	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0760	JBQ	0.0223	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0885	JQ	0.0304	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.202	JB	0.0225	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.292	JB	0.0310	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.192	JB	0.0207	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.430	JB	0.0323	MDL	5.26	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
<i>Sample ID: SL-188-NBZ-SS-0.0-0.5      Collected: 4/10/2012 2:41:00      Analysis Type: RES      Dilution: 1</i>									
<b>Analyte</b>									
1,2,3,7,8,9-HXCDF	0.235	JB	0.0271	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.160	JBQ	0.0358	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.441	JB	0.0311	MDL	5.26	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.209	JB	0.0204	MDL	5.26	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.207	JB	0.0291	MDL	5.26	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.290	J	0.0569	MDL	1.05	PQL	ng/Kg	J	Z
OCDF	0.874	JB	0.0246	MDL	10.5	PQL	ng/Kg	U	B

	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
<i>Sample ID: SL-191-NBZ-SS-0.0-0.5      Collected: 4/9/2012 11:22:00      Analysis Type: RES      Dilution: 1</i>									
<b>Analyte</b>									
1,2,3,4,6,7,8-HPCDD	1.54	JB	0.0323	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.368	JB	0.0119	MDL	5.44	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8,9-HPCDF	0.0969	JBQ	0.0197	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.102	J	0.0292	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.242	JB	0.0206	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.285	JB	0.0317	MDL	5.44	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDF	0.194	JB	0.0195	MDL	5.44	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8,9-HxCDD	0.353	JB	0.0327	MDL	5.44	PQL	ng/Kg	J	Z, FD
1,2,3,7,8,9-HXCDF	0.321	JBQ	0.0245	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.170	JBQ	0.0490	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.456	JB	0.0275	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.138	JB	0.0186	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.348	JB	0.0266	MDL	5.44	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0538	JBQ	0.0400	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.168	J	0.0501	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	7.61	JB	0.0247	MDL	10.9	PQL	ng/Kg	J	Z, FD
OCDF	0.562	JB	0.0249	MDL	10.9	PQL	ng/Kg	UJ	B, FD

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

## Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
B	Method Blank Contamination
FD	Field Duplicate Precision
Z	Reporting Limit Trace Value

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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## **Enclosure I**

### **Level III ADR Outliers (including Manual Review Outliers)**

# Quality Control Outlier Reports

DX168

# Method Blank Outlier Report

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1090B371944	4/19/2012 7:44:00 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-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	0.374 ng/Kg 0.162 ng/Kg 0.103 ng/Kg 0.0923 ng/Kg 0.0777 ng/Kg 0.0420 ng/Kg 0.0680 ng/Kg 0.0982 ng/Kg 0.0772 ng/Kg 0.0911 ng/Kg 0.0901 ng/Kg 0.140 ng/Kg 0.105 ng/Kg 0.714 ng/Kg 0.227 ng/Kg	DUP-06-NBZ-QC-041012 SL-001-NBZ-SS-0.0-0.5 SL-004-NBZ-SS-0.0-0.5 SL-011-NBZ-SS-0.0-0.5 SL-085-NBZ-SS-0.0-0.5 SL-145-NBZ-SS-0.0-0.5 SL-148-NBZ-SS-0.0-0.5 SL-151-NBZ-SS-0.0-0.5 SL-154-NBZ-SS-0.0-0.5 SL-157-NBZ-SS-0.0-0.5 SL-163-NBZ-SS-0.0-0.5 SL-167-NBZ-SS-0.0-0.5 SL-168-NBZ-SS-0.0-0.5 SL-174-NBZ-SS-0.0-0.5 SL-176-NBZ-SS-0.0-0.5 SL-177-NBZ-SS-0.0-0.5 SL-182-NBZ-SS-0.0-0.5 SL-185-NBZ-SS-0.0-0.5 SL-188-NBZ-SS-0.0-0.5 SL-191-NBZ-SS-0.0-0.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP-06-NBZ-QC-041012(RES)	1,2,3,4,6,7,8-HPCDF	0.668 ng/Kg	0.668U ng/Kg
DUP-06-NBZ-QC-041012(RES)	1,2,3,4,7,8,9-HPCDF	0.114 ng/Kg	0.114U ng/Kg
DUP-06-NBZ-QC-041012(RES)	1,2,3,4,7,8-HXCDF	0.293 ng/Kg	0.293U ng/Kg
DUP-06-NBZ-QC-041012(RES)	1,2,3,7,8,9-HXCDF	0.349 ng/Kg	0.349U ng/Kg
DUP-06-NBZ-QC-041012(RES)	1,2,3,7,8-PECDD	0.233 ng/Kg	0.233U ng/Kg
DUP-06-NBZ-QC-041012(RES)	2,3,4,6,7,8-HXCDF	0.185 ng/Kg	0.185U ng/Kg
DUP-06-NBZ-QC-041012(RES)	2,3,4,7,8-PECDF	0.371 ng/Kg	0.371U ng/Kg
DUP-06-NBZ-QC-041012(RES)	2,3,7,8-TCDD	0.0695 ng/Kg	0.0695U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.25 ng/Kg	1.25U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.361 ng/Kg	0.361U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0511 ng/Kg	0.0511U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0831 ng/Kg	0.0831U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.131 ng/Kg	0.131U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0663 ng/Kg	0.0663U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.184 ng/Kg	0.184U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0615 ng/Kg	0.0615U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0467 ng/Kg	0.0467U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0819 ng/Kg	0.0819U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0689 ng/Kg	0.0689U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0778 ng/Kg	0.0778U ng/Kg
SL-001-NBZ-SS-0.0-0.5(RES)	OCDF	0.660 ng/Kg	0.660U ng/Kg
SL-004-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.658 ng/Kg	0.658U ng/Kg
SL-004-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0820 ng/Kg	0.0820U ng/Kg
SL-004-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.365 ng/Kg	0.365U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.321 ng/Kg	0.321U ng/Kg
SL-004-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-004-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.322 ng/Kg	0.322U ng/Kg
SL-004-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0985 ng/Kg	0.0985U ng/Kg
SL-004-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.121 ng/Kg	0.121U ng/Kg
SL-004-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.165 ng/Kg	0.165U ng/Kg
SL-004-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.382 ng/Kg	0.382U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.511 ng/Kg	0.511U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0751 ng/Kg	0.0751U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.172 ng/Kg	0.172U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.225 ng/Kg	0.225U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0978 ng/Kg	0.0978U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.213 ng/Kg	0.213U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.130 ng/Kg	0.130U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.106 ng/Kg	0.106U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.308 ng/Kg	0.308U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.190 ng/Kg	0.190U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.228 ng/Kg	0.228U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0632 ng/Kg	0.0632U ng/Kg
SL-011-NBZ-SS-0.0-0.5(RES)	OCDF	0.851 ng/Kg	0.851U ng/Kg
SL-085-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.459 ng/Kg	0.459U ng/Kg
SL-085-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.332 ng/Kg	0.332U ng/Kg
SL-085-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.690 ng/Kg	0.690U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.87 ng/Kg	1.87U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.589 ng/Kg	0.589U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0602 ng/Kg	0.0602U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.236 ng/Kg	0.236U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.162 ng/Kg	0.162U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.136 ng/Kg	0.136U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.158 ng/Kg	0.158U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0740 ng/Kg	0.0740U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.298 ng/Kg	0.298U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.165 ng/Kg	0.165U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.143 ng/Kg	0.143U ng/Kg
SL-145-NBZ-SS-0.0-0.5(RES)	OCDF	0.851 ng/Kg	0.851U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	0.862 ng/Kg	0.862U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.336 ng/Kg	0.336U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-148-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.140 ng/Kg	0.140U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.214 ng/Kg	0.214U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.140 ng/Kg	0.140U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.125 ng/Kg	0.125U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.130 ng/Kg	0.130U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.199 ng/Kg	0.199U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.138 ng/Kg	0.138U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.218 ng/Kg	0.218U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.132 ng/Kg	0.132U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.172 ng/Kg	0.172U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0527 ng/Kg	0.0527U ng/Kg
SL-148-NBZ-SS-0.0-0.5(RES)	OCDF	0.816 ng/Kg	0.816U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.45 ng/Kg	1.45U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.376 ng/Kg	0.376U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0456 ng/Kg	0.0456U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.118 ng/Kg	0.118U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.105 ng/Kg	0.105U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0785 ng/Kg	0.0785U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.104 ng/Kg	0.104U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0365 ng/Kg	0.0365U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0590 ng/Kg	0.0590U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.217 ng/Kg	0.217U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.199 ng/Kg	0.199U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0378 ng/Kg	0.0378U ng/Kg
SL-151-NBZ-SS-0.0-0.5(RES)	OCDF	0.580 ng/Kg	0.580U ng/Kg
SL-154-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.195 ng/Kg	0.195U ng/Kg
SL-154-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.321 ng/Kg	0.321U ng/Kg
SL-154-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.320 ng/Kg	0.320U ng/Kg
SL-154-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.343 ng/Kg	0.343U ng/Kg
SL-154-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.410 ng/Kg	0.410U ng/Kg
SL-154-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0988 ng/Kg	0.0988U ng/Kg
SL-157-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0631 ng/Kg	0.0631U ng/Kg
SL-157-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.239 ng/Kg	0.239U ng/Kg
SL-157-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.317 ng/Kg	0.317U ng/Kg
SL-157-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.184 ng/Kg	0.184U ng/Kg
SL-157-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.339 ng/Kg	0.339U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0770 ng/Kg	0.0770U ng/Kg
SL-157-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.110 ng/Kg	0.110U ng/Kg
SL-157-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.335 ng/Kg	0.335U ng/Kg
SL-157-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.204 ng/Kg	0.204U ng/Kg
SL-157-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.158 ng/Kg	0.158U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	0.440 ng/Kg	0.440U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.198 ng/Kg	0.198U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0907 ng/Kg	0.0907U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.126 ng/Kg	0.126U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.115 ng/Kg	0.115U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.106 ng/Kg	0.106U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.0846 ng/Kg	0.0846U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.117 ng/Kg	0.117U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.107 ng/Kg	0.107U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.165 ng/Kg	0.165U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.111 ng/Kg	0.111U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.172 ng/Kg	0.172U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0324 ng/Kg	0.0324U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	OCDD	1.23 ng/Kg	1.23U ng/Kg
SL-163-NBZ-SS-0.0-0.5(RES)	OCDF	0.254 ng/Kg	0.254U ng/Kg
SL-167-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.697 ng/Kg	0.697U ng/Kg
SL-167-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0572 ng/Kg	0.0572U ng/Kg
SL-167-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.201 ng/Kg	0.201U ng/Kg
SL-167-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.272 ng/Kg	0.272U ng/Kg
SL-167-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.253 ng/Kg	0.253U ng/Kg
SL-167-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.360 ng/Kg	0.360U ng/Kg
SL-167-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.253 ng/Kg	0.253U ng/Kg
SL-167-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.320 ng/Kg	0.320U ng/Kg
SL-167-NBZ-SS-0.0-0.5(RES)	OCDF	0.936 ng/Kg	0.936U ng/Kg
SL-168-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.42 ng/Kg	1.42U ng/Kg
SL-168-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.377 ng/Kg	0.377U ng/Kg
SL-168-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0657 ng/Kg	0.0657U ng/Kg
SL-168-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.128 ng/Kg	0.128U ng/Kg
SL-168-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.145 ng/Kg	0.145U ng/Kg
SL-168-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0988 ng/Kg	0.0988U ng/Kg
SL-168-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.143 ng/Kg	0.143U ng/Kg
SL-168-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.117 ng/Kg	0.117U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-168-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.195 ng/Kg	0.195U ng/Kg
SL-168-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.123 ng/Kg	0.123U ng/Kg
SL-168-NBZ-SS-0.0-0.5(RES)	OCDF	0.728 ng/Kg	0.728U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.55 ng/Kg	1.55U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.359 ng/Kg	0.359U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0384 ng/Kg	0.0384U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.128 ng/Kg	0.128U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.156 ng/Kg	0.156U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0753 ng/Kg	0.0753U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.156 ng/Kg	0.156U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0234 ng/Kg	0.0234U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.141 ng/Kg	0.141U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.115 ng/Kg	0.115U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.132 ng/Kg	0.132U ng/Kg
SL-174-NBZ-SS-0.0-0.5(RES)	OCDF	0.533 ng/Kg	0.533U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	0.623 ng/Kg	0.623U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.217 ng/Kg	0.217U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0710 ng/Kg	0.0710U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0904 ng/Kg	0.0904U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.0880 ng/Kg	0.0880U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0755 ng/Kg	0.0755U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.106 ng/Kg	0.106U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.108 ng/Kg	0.108U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PCDD	0.0465 ng/Kg	0.0465U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0935 ng/Kg	0.0935U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0879 ng/Kg	0.0879U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0879 ng/Kg	0.0879U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0568 ng/Kg	0.0568U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	OCDD	2.34 ng/Kg	2.34U ng/Kg
SL-176-NBZ-SS-0.0-0.5(RES)	OCDF	0.309 ng/Kg	0.309U ng/Kg
SL-177-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.513 ng/Kg	0.513U ng/Kg
SL-177-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0363 ng/Kg	0.0363U ng/Kg
SL-177-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.179 ng/Kg	0.179U ng/Kg
SL-177-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.165 ng/Kg	0.165U ng/Kg
SL-177-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.149 ng/Kg	0.149U ng/Kg
SL-177-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.150 ng/Kg	0.150U ng/Kg
SL-177-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.106 ng/Kg	0.106U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method:</b>	1613B
<b>Matrix:</b>	SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-177-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0800 ng/Kg	0.0800U ng/Kg
SL-177-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.320 ng/Kg	0.320U ng/Kg
SL-177-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.208 ng/Kg	0.208U ng/Kg
SL-177-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.273 ng/Kg	0.273U ng/Kg
SL-177-NBZ-SS-0.0-0.5(RES)	OCDF	0.830 ng/Kg	0.830U ng/Kg
SL-182-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.513 ng/Kg	0.513U ng/Kg
SL-182-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.382 ng/Kg	0.382U ng/Kg
SL-182-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.324 ng/Kg	0.324U ng/Kg
SL-182-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.181 ng/Kg	0.181U ng/Kg
SL-182-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0550 ng/Kg	0.0550U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.85 ng/Kg	1.85U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.464 ng/Kg	0.464U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0497 ng/Kg	0.0497U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.224 ng/Kg	0.224U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.294 ng/Kg	0.294U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.110 ng/Kg	0.110U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.254 ng/Kg	0.254U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.266 ng/Kg	0.266U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.127 ng/Kg	0.127U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.298 ng/Kg	0.298U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.146 ng/Kg	0.146U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.329 ng/Kg	0.329U ng/Kg
SL-185-NBZ-SS-0.0-0.5(RES)	OCDF	0.757 ng/Kg	0.757U ng/Kg
SL-188-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.599 ng/Kg	0.599U ng/Kg
SL-188-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0760 ng/Kg	0.0760U ng/Kg
SL-188-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.202 ng/Kg	0.202U ng/Kg
SL-188-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.292 ng/Kg	0.292U ng/Kg
SL-188-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.192 ng/Kg	0.192U ng/Kg
SL-188-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.235 ng/Kg	0.235U ng/Kg
SL-188-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.160 ng/Kg	0.160U ng/Kg
SL-188-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.441 ng/Kg	0.441U ng/Kg
SL-188-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.209 ng/Kg	0.209U ng/Kg
SL-188-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.207 ng/Kg	0.207U ng/Kg
SL-188-NBZ-SS-0.0-0.5(RES)	OCDF	0.874 ng/Kg	0.874U ng/Kg
SL-191-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.54 ng/Kg	1.54U ng/Kg
SL-191-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.368 ng/Kg	0.368U ng/Kg
SL-191-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0969 ng/Kg	0.0969U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method:</b>	1613B
<b>Matrix:</b>	SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.242 ng/Kg	0.242U ng/Kg
SL-191-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.285 ng/Kg	0.285U ng/Kg
SL-191-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.194 ng/Kg	0.194U ng/Kg
SL-191-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.321 ng/Kg	0.321U ng/Kg
SL-191-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.170 ng/Kg	0.170U ng/Kg
SL-191-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-191-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.348 ng/Kg	0.348U ng/Kg
SL-191-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0538 ng/Kg	0.0538U ng/Kg
SL-191-NBZ-SS-0.0-0.5(RES)	OCDF	0.562 ng/Kg	0.562U ng/Kg

# Field Duplicate RPD Report

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 160.3M

**Matrix:** SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-191-NBZ-SS-0.0-0.5	DUP-06-NBZ-QC-041012			
MOISTURE	8.6	7.5	14		No Qualifiers Applied

**Method:** 1613B

**Matrix:** SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag	
	SL-191-NBZ-SS-0.0-0.5	DUP-06-NBZ-QC-041012				
1,2,3,4,6,7,8-HPCDD	1.54	2.13	32	50.00	No Qualifiers Applied	
1,2,3,4,7,8,9-HPCDF	0.0969	0.114	16	50.00		
1,2,3,4,7,8-HxCDD	0.102	0.112	9	50.00		
1,2,3,4,7,8-HxCDF	0.242	0.293	19	50.00		
1,2,3,7,8,9-HxCDF	0.321	0.349	8	50.00		
1,2,3,7,8-PECDD	0.170	0.233	31	50.00		
1,2,3,7,8-PECDF	0.456	0.607	28	50.00		
2,3,4,6,7,8-HxCDF	0.138	0.185	29	50.00		
2,3,4,7,8-PECDF	0.348	0.371	6	50.00		
2,3,7,8-TCDD	0.0538	0.0695	25	50.00		
2,3,7,8-TCDF	0.168	0.248	38	50.00		
1,2,3,4,6,7,8-HPCDF	0.368	0.668	58	50.00		J(all detects)
1,2,3,6,7,8-HxCDD	0.285	0.741	89	50.00		
1,2,3,6,7,8-HxCDF	0.194	0.655	109	50.00		
1,2,3,7,8,9-HxCDD	0.353	0.676	63	50.00		
OCDD	7.61	12.9	52	50.00		
OCDF	0.562	1.37	84	50.00		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-06-NBZ-QC-041012	1,2,3,4,6,7,8-HPCDD	JB	2.13	5.30	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.668	5.30	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.114	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.112	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.293	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.741	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.655	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.676	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.349	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.233	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.607	5.30	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.185	5.30	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.371	5.30	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0695	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.248	1.06	PQL	ng/Kg	
	OCDF	JB	1.37	10.6	PQL	ng/Kg	
SL-001-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.25	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.361	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0511	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0520	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0831	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.131	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.0663	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.184	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0615	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0467	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0819	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0689	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0778	5.54	PQL	ng/Kg	
	OCDD	JB	6.56	11.1	PQL	ng/Kg	
OCDF	JB	0.660	11.1	PQL	ng/Kg		
SL-004-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.60	5.93	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.658	5.93	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0820	5.93	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0858	5.93	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.365	5.93	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.321	5.93	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.111	5.93	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.322	5.93	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0985	5.93	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.121	5.93	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.22	5.93	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.165	5.93	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.382	5.93	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.400	1.19	PQL	ng/Kg	
	OCDF	JB	1.30	11.9	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-011-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.18	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.511	5.65	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0751	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0936	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.172	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.225	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0978	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.213	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.130	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.106	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.308	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.190	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.228	5.65	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0632	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.131	1.13	PQL	ng/Kg	
	OCDF	JBQ	0.851	11.3	PQL	ng/Kg	
SL-085-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.792	5.91	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	J	0.679	5.91	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.20	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.76	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.756	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.33	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.459	5.91	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.332	5.91	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	4.22	5.91	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.582	5.91	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.690	5.91	PQL	ng/Kg	
2,3,7,8-TCDF	J	0.926	1.18	PQL	ng/Kg		
SL-145-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.87	6.29	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.589	6.29	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0602	6.29	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0785	6.29	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.236	6.29	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.162	6.29	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.136	6.29	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.158	6.29	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0740	6.29	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.298	6.29	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.165	6.29	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.143	6.29	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.280	1.26	PQL	ng/Kg	
	OCDD	JB	9.67	12.6	PQL	ng/Kg	
	OCDF	JB	0.851	12.6	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-148-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	0.862	5.89	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.336	5.89	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.140	5.89	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.101	5.89	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.214	5.89	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.140	5.89	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.125	5.89	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.130	5.89	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.199	5.89	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.138	5.89	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.218	5.89	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.132	5.89	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.172	5.89	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0527	1.18	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.111	1.18	PQL	ng/Kg	
	OCDD	JB	4.63	11.8	PQL	ng/Kg	
	OCDF	JB	0.816	11.8	PQL	ng/Kg	
SL-151-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.45	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.376	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0456	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0583	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.118	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.105	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0785	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.104	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0365	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0590	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.217	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.111	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.199	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0378	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.123	1.10	PQL	ng/Kg	
OCDD	JB	7.59	11.0	PQL	ng/Kg		
OCDF	JBQ	0.580	11.0	PQL	ng/Kg		
SL-154-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JBQ	3.63	5.83	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.951	5.83	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.195	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.139	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.321	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.37	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.340	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.70	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.769	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.320	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.640	5.83	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.343	5.83	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.410	5.83	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0988	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.269	1.17	PQL	ng/Kg	
	OCDF	JB	1.78	11.7	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-157-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.30	5.37	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.818	5.37	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0631	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0951	5.37	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.239	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.317	5.37	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.184	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.339	5.37	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0770	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.110	5.37	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.335	5.37	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.204	5.37	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.158	5.37	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.338	1.07	PQL	ng/Kg	
	OCDF	JB	1.27	10.7	PQL	ng/Kg	
	SL-163-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	0.440	5.75	PQL	
1,2,3,4,6,7,8-HPCDF		JB	0.198	5.75	PQL	ng/Kg	
1,2,3,4,7,8,9-HPCDF		JBQ	0.0907	5.75	PQL	ng/Kg	
1,2,3,4,7,8-HxCDD		J	0.0648	5.75	PQL	ng/Kg	
1,2,3,4,7,8-HXCDF		JB	0.126	5.75	PQL	ng/Kg	
1,2,3,6,7,8-HXCDD		JB	0.115	5.75	PQL	ng/Kg	
1,2,3,6,7,8-HXCDF		JB	0.106	5.75	PQL	ng/Kg	
1,2,3,7,8,9-HXCDD		JBQ	0.0846	5.75	PQL	ng/Kg	
1,2,3,7,8,9-HXCDF		JBQ	0.117	5.75	PQL	ng/Kg	
1,2,3,7,8-PECDD		JBQ	0.107	5.75	PQL	ng/Kg	
1,2,3,7,8-PECDF		JBQ	0.165	5.75	PQL	ng/Kg	
2,3,4,6,7,8-HXCDF		JB	0.111	5.75	PQL	ng/Kg	
2,3,4,7,8-PECDF		JBQ	0.172	5.75	PQL	ng/Kg	
2,3,7,8-TCDD		JBQ	0.0324	1.15	PQL	ng/Kg	
2,3,7,8-TCDF		JQ	0.0407	1.15	PQL	ng/Kg	
OCDD		JB	1.23	11.5	PQL	ng/Kg	
OCDF	JB	0.254	11.5	PQL	ng/Kg		
SL-167-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.77	5.20	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.697	5.20	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0572	5.20	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.107	5.20	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.201	5.20	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.35	5.20	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.274	5.20	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.65	5.20	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.272	5.20	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.253	5.20	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.360	5.20	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.253	5.20	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.320	5.20	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.114	1.04	PQL	ng/Kg	
OCDF	JB	0.936	10.4	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-168-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.42	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.377	5.47	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0657	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0576	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.128	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.145	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0988	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.143	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.117	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.195	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.123	5.47	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0816	1.09	PQL	ng/Kg	
	OCDD	JB	8.61	10.9	PQL	ng/Kg	
	OCDF	JB	0.728	10.9	PQL	ng/Kg	
SL-174-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.55	5.34	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.359	5.34	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0384	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.0604	5.34	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.128	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.156	5.34	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0753	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.156	5.34	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0234	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.141	5.34	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.115	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.132	5.34	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.156	1.07	PQL	ng/Kg	
	OCDD	JB	8.96	10.7	PQL	ng/Kg	
OCDF	JB	0.533	10.7	PQL	ng/Kg		
SL-176-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	0.623	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.217	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0710	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0579	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0904	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0880	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.0755	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.106	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.108	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0465	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0935	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0879	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0879	5.73	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0568	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0373	1.15	PQL	ng/Kg	
	OCDD	JB	2.34	11.5	PQL	ng/Kg	
	OCDF	JB	0.309	11.5	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-177-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.88	5.24	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.513	5.24	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0363	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0716	5.24	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.179	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.165	5.24	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.149	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.150	5.24	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.106	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0800	5.24	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.320	5.24	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.208	5.24	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.273	5.24	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.235	1.05	PQL	ng/Kg	
	OCDF	JB	0.830	10.5	PQL	ng/Kg	
SL-182-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	5.59	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.513	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.515	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	1.00	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.24	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.635	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.800	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.382	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.324	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	3.49	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.457	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.181	5.75	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0550	1.15	PQL	ng/Kg	
2,3,7,8-TCDF	J	1.01	1.15	PQL	ng/Kg		
SL-185-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.85	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.464	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0497	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0934	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.224	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.294	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.110	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.254	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.266	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.127	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.298	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.146	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.329	5.48	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.141	1.10	PQL	ng/Kg	
OCDF	JB	0.757	11.0	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX168

Laboratory: LL

EDD Filename: DX168\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-188-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.92	5.26	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.599	5.26	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0760	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0885	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.202	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.292	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.192	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.430	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.235	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.160	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.441	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.209	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.207	5.26	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.290	1.05	PQL	ng/Kg	
	OCDF	JB	0.874	10.5	PQL	ng/Kg	
	SL-191-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.54	5.44	PQL	
1,2,3,4,6,7,8-HPCDF		JB	0.368	5.44	PQL	ng/Kg	
1,2,3,4,7,8,9-HPCDF		JBQ	0.0969	5.44	PQL	ng/Kg	
1,2,3,4,7,8-HxCDD		J	0.102	5.44	PQL	ng/Kg	
1,2,3,4,7,8-HXCDF		JB	0.242	5.44	PQL	ng/Kg	
1,2,3,6,7,8-HXCDD		JB	0.285	5.44	PQL	ng/Kg	
1,2,3,6,7,8-HXCDF		JB	0.194	5.44	PQL	ng/Kg	
1,2,3,7,8,9-HXCDD		JB	0.353	5.44	PQL	ng/Kg	
1,2,3,7,8,9-HXCDF		JBQ	0.321	5.44	PQL	ng/Kg	
1,2,3,7,8-PECDD		JBQ	0.170	5.44	PQL	ng/Kg	
1,2,3,7,8-PECDF		JB	0.456	5.44	PQL	ng/Kg	
2,3,4,6,7,8-HXCDF		JB	0.138	5.44	PQL	ng/Kg	
2,3,4,7,8-PECDF		JB	0.348	5.44	PQL	ng/Kg	
2,3,7,8-TCDD		JBQ	0.0538	1.09	PQL	ng/Kg	
2,3,7,8-TCDF		J	0.168	1.09	PQL	ng/Kg	
OCDD		JB	7.61	10.9	PQL	ng/Kg	
OCDF	JB	0.562	10.9	PQL	ng/Kg		

# **SAMPLE DELIVERY GROUP**

**DX169**

## **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-Apr-2012	SL-144-NBZ-SS-0.0-0.5	6615684	N	METHOD	1613B	III
12-Apr-2012	SL-152-NBZ-SS-0.0-0.5	6615685	N	METHOD	1613B	III
12-Apr-2012	EB-NBZ-SS-041212	6615686	EB	METHOD	1613B	III
16-Apr-2012	SL-013-NBZ-SS-0.0-0.5	6620879	N	METHOD	1613B	III
16-Apr-2012	SL-159-NBZ-SS-0.0-0.5	6620880	N	METHOD	1613B	III
16-Apr-2012	SL-164-NBZ-SS-0.0-0.5	6620882	N	METHOD	1613B	III
16-Apr-2012	SL-160-NBZ-SS-0.0-0.5	6620881	N	METHOD	1613B	III
16-Apr-2012	SL-173-NBZ-SS-0.0-0.5	6620883	N	METHOD	1613B	III
16-Apr-2012	SL-173-NBZ-SS-0.0-0.5 MS	6620884	MS	METHOD	1613B	III
16-Apr-2012	SL-173-NBZ-SS-0.0-0.5 MSD	6620885	MSD	METHOD	1613B	III
16-Apr-2012	DUP-08-NBZ-QC-041612	6620886	FD	METHOD	1613B	III
17-Apr-2012	SL-162-NBZ-SS-0.0-0.5	6620891	N	METHOD	1613B	III
17-Apr-2012	SL-014-NBZ-SS-0.0-0.5	6620887	N	METHOD	1613B	III
17-Apr-2012	SL-166-NBZ-SS-0.0-0.5	6620892	N	METHOD	1613B	III
17-Apr-2012	SL-088-NBZ-SS-0.0-0.5	6620888	N	METHOD	1613B	III
17-Apr-2012	SL-156-NBZ-SS-0.0-0.5	6620889	N	METHOD	1613B	III
17-Apr-2012	SL-161-NBZ-SS-0.0-0.5	6620890	N	METHOD	1613B	III
17-Apr-2012	EB-NBZ-SS-041712	6620894	EB	METHOD	1613B	III
17-Apr-2012	EB-NBZ-SB-041712	6620893	EB	METHOD	1613B	III

## **Attachment II**

### **Overall Data Qualification Summary**

# Data Qualifier Summary

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> AQ

Sample ID: EB-NBZ-SB-041712	Collected: 4/17/2012 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-HPCDD	4.17	JB	0.246	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	2.19	JB	0.173	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.516	JB	0.193	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.316	JBQ	0.205	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.705	JB	0.150	MDL	10.5	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.770	JB	0.215	MDL	10.5	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.772	JB	0.149	MDL	10.5	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.350	JB	0.199	MDL	10.5	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.523	JB	0.142	MDL	10.5	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.590	JBQ	0.250	MDL	10.5	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.567	JB	0.184	MDL	10.5	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.945	JBQ	0.135	MDL	10.5	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.720	JB	0.162	MDL	10.5	PQL	pg/L	U	B
2,3,7,8-TCDD	0.376	JB	0.321	MDL	2.10	PQL	pg/L	U	B
2,3,7,8-TCDF	0.406	JBQ	0.208	MDL	2.10	PQL	pg/L	U	B
OCDD	8.34	JB	0.306	MDL	21.0	PQL	pg/L	U	B
OCDF	1.60	JBQ	0.201	MDL	21.0	PQL	pg/L	U	B

Sample ID: EB-NBZ-SS-041212	Collected: 4/12/2012 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-HPCDD	3.62	JB	0.178	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.90	JB	0.0984	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.483	JB	0.110	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.396	JBQ	0.127	MDL	10.5	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.465	JBQ	0.104	MDL	10.5	PQL	pg/L	U	B
1,2,3,6,7,8-HxCDD	0.437	JB	0.134	MDL	10.5	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.424	JBQ	0.101	MDL	10.5	PQL	pg/L	U	B
1,2,3,7,8,9-HxCDD	0.467	JBQ	0.128	MDL	10.5	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.328	JBQ	0.116	MDL	10.5	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.536	JB	0.0903	MDL	10.5	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.601	JBQ	0.0988	MDL	10.5	PQL	pg/L	U	B
2,3,7,8-TCDD	0.295	JBQ	0.188	MDL	2.09	PQL	pg/L	U	B
OCDD	6.52	JB	0.195	MDL	20.9	PQL	pg/L	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> AQ

<b>Sample ID:</b> EB-NBZ-SS-041212	<b>Collected:</b> 4/12/2012 3:00:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1
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Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	1.70	JB	0.141	MDL	20.9	PQL	pg/L	U	B

<b>Sample ID:</b> EB-NBZ-SS-041712	<b>Collected:</b> 4/17/2012 3:00:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1
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Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.59	JB	0.408	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.754	JB	0.164	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.476	JB	0.182	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.251	JB	0.220	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.262	JBQ	0.135	MDL	10.8	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.552	JB	0.225	MDL	10.8	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.180	JBQ	0.134	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.334	JBQ	0.219	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.427	JB	0.131	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.312	JBQ	0.211	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.365	J	0.156	MDL	10.8	PQL	pg/L	J	Z
2,3,4,6,7,8-HXCDF	0.495	JB	0.130	MDL	10.8	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.467	JB	0.139	MDL	10.8	PQL	pg/L	U	B
OCDD	8.53	JB	0.355	MDL	21.6	PQL	pg/L	U	B
OCDF	1.19	JBQ	0.198	MDL	21.6	PQL	pg/L	U	B

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

<b>Sample ID:</b> DUP-08-NBZ-QC-041612	<b>Collected:</b> 4/16/2012 3:23:00	<b>Analysis Type:</b> RES	<b>Dilution:</b> 1
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Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.89	JB	0.0266	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.802	JB	0.0195	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.146	JBQ	0.0237	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.164	JB	0.0358	MDL	5.85	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.271	JB	0.0301	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.466	JB	0.0333	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.267	JB	0.0278	MDL	5.85	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: DUP-08-NBZ-QC-041612      Collected: 4/16/2012 3:23:00      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	0.635	JB	0.0317	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.176	JB	0.0312	MDL	5.85	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.313	JB	0.0310	MDL	5.85	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.368	JB	0.0383	MDL	5.85	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HXCDF	0.262	JB	0.0291	MDL	5.85	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.659	JB	0.0378	MDL	5.85	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0934	JBQ	0.0313	MDL	1.17	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.202	JB	0.0625	MDL	1.17	PQL	ng/Kg	J	Z
OCDF	1.35	JB	0.0184	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-013-NBZ-SS-0.0-0.5      Collected: 4/16/2012 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-HPCDF	2.16	JB	0.0299	MDL	7.09	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.270	JB	0.0342	MDL	7.09	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.271	JB	0.0552	MDL	7.09	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.646	JB	0.0403	MDL	7.09	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.725	JB	0.0533	MDL	7.09	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.351	JB	0.0396	MDL	7.09	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.590	JB	0.0472	MDL	7.09	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.301	JB	0.0374	MDL	7.09	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.235	JB	0.0412	MDL	7.09	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.744	JB	0.0592	MDL	7.09	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.394	JB	0.0384	MDL	7.09	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.883	JB	0.0560	MDL	7.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0475	JB	0.0357	MDL	1.42	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.395	JB	0.107	MDL	1.42	PQL	ng/Kg	J	Z
OCDF	3.89	JB	0.0238	MDL	14.2	PQL	ng/Kg	J	Z

Sample ID: SL-014-NBZ-SS-0.0-0.5      Collected: 4/17/2012 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	1.68	JB	0.0183	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.188	JB	0.0234	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.174	JB	0.0384	MDL	5.84	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-014-NBZ-SS-0.0-0.5			Collected: 4/17/2012 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-HXCDF	0.619	JB	0.0380	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.439	JB	0.0360	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.240	JB	0.0357	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.362	JB	0.0345	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.146	JB	0.0366	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.151	JB	0.0307	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	2.96	JB	0.0604	MDL	5.84	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.245	JB	0.0355	MDL	5.84	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.395	JB	0.0563	MDL	5.84	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.385	JB	0.112	MDL	1.17	PQL	ng/Kg	J	Z
OCDF	3.17	JB	0.0153	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-088-NBZ-SS-0.0-0.5			Collected: 4/17/2012 11:00:00			Analysis Type: RES		Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.93	JB	0.0225	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.187	JB	0.0286	MDL	6.23	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.203	JB	0.0440	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.631	JB	0.0412	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.619	JB	0.0406	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.306	JB	0.0401	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.532	JB	0.0405	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0954	JB	0.0417	MDL	6.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.229	JB	0.0391	MDL	6.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	2.91	JB	0.0660	MDL	6.23	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.282	JB	0.0407	MDL	6.23	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.486	JB	0.0601	MDL	6.23	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0517	JB	0.0329	MDL	1.25	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.695	JB	0.136	MDL	1.25	PQL	ng/Kg	J	Z
OCDF	4.07	JB	0.0197	MDL	12.5	PQL	ng/Kg	J	Z

Sample ID: SL-144-NBZ-SS-0.0-0.5			Collected: 4/12/2012 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	1.09	JB	0.0274	MDL	5.64	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-144-NBZ-SS-0.0-0.5      Collected: 4/12/2012 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	0.328	JB	0.0138	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0684	JB	0.0214	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0419	JB	0.0309	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.138	JB	0.0270	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.229	JB	0.0324	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.153	JB	0.0247	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.297	JB	0.0319	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.297	JB	0.0293	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0618	JB	0.0298	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.234	JB	0.0267	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.120	JB	0.0260	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.250	JB	0.0272	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0817	JB	0.0422	MDL	1.13	PQL	ng/Kg	U	B
OCDD	4.92	JB	0.0228	MDL	11.3	PQL	ng/Kg	J	Z
OCDF	0.462	JB	0.0215	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-152-NBZ-SS-0.0-0.5      Collected: 4/12/2012 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	3.82	JB	0.0277	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.24	JB	0.0202	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.112	JB	0.0277	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.169	JB	0.0417	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.391	JB	0.0335	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.367	JB	0.0389	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.334	JB	0.0332	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.291	JB	0.0404	MDL	5.74	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.183	JB	0.0345	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.202	JB	0.0340	MDL	5.74	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.565	JB	0.0549	MDL	5.74	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.500	JB	0.0328	MDL	5.74	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.30	JB	0.0492	MDL	5.74	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0428	JBQ	0.0335	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.394	JB	0.119	MDL	1.15	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

Sample ID: SL-152-NBZ-SS-0.0-0.5      Collected: 4/12/2012 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
OCDF	1.83	JB	0.0172	MDL	11.5	PQL	ng/Kg	J	Z

Sample ID: SL-156-NBZ-SS-0.0-0.5      Collected: 4/17/2012 11:17:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.20	JB	0.0300	MDL	6.15	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.849	JB	0.0201	MDL	6.15	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.112	JB	0.0261	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.110	JB	0.0362	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.292	JB	0.0307	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.269	JB	0.0340	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.188	JB	0.0286	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.228	JB	0.0309	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDF	0.127	JB	0.0318	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.136	JB	0.0289	MDL	6.15	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.326	JB	0.0373	MDL	6.15	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.259	JB	0.0299	MDL	6.15	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.762	JB	0.0363	MDL	6.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0385	JBQ	0.0304	MDL	1.23	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.254	JB	0.0748	MDL	1.23	PQL	ng/Kg	J	Z
OCDF	1.47	JB	0.0181	MDL	12.3	PQL	ng/Kg	J	Z

Sample ID: SL-159-NBZ-SS-0.0-0.5      Collected: 4/16/2012 11:01:00      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-HPCDD	3.60	JB	0.0281	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.860	JB	0.0274	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.155	JBQ	0.0317	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.133	JB	0.0401	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.185	JB	0.0305	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.322	JB	0.0378	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDF	0.177	JB	0.0289	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.409	JB	0.0346	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.104	JBQ	0.0287	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.115	JBQ	0.0298	MDL	5.69	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-159-NBZ-SS-0.0-0.5	Collected: 4/16/2012 11:01:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.168	JB	0.0350	MDL	5.69	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.293	JB	0.0272	MDL	5.69	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.529	JB	0.0307	MDL	5.69	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0468	JB	0.0345	MDL	1.14	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.179	JB	0.0540	MDL	1.14	PQL	ng/Kg	J	Z
OCDF	1.44	JB	0.0186	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-160-NBZ-SS-0.0-0.5	Collected: 4/16/2012 2:40:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.94	JB	0.0228	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.474	JB	0.0219	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0688	JB	0.0255	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0864	JB	0.0293	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.120	JB	0.0197	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.165	JB	0.0274	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0911	JB	0.0190	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.172	JB	0.0269	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0288	JB	0.0192	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0928	JBQ	0.0199	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.139	JB	0.0233	MDL	5.47	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.158	JB	0.0185	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.261	JB	0.0214	MDL	5.47	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0924	JB	0.0412	MDL	1.09	PQL	ng/Kg	U	B
OCDF	0.711	JB	0.0141	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-161-NBZ-SS-0.0-0.5	Collected: 4/17/2012 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	3.21	JB	0.0184	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.734	JB	0.0125	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0980	JB	0.0157	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0989	JB	0.0229	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.219	JB	0.0195	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.251	JB	0.0237	MDL	5.60	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-161-NBZ-SS-0.0-0.5      Collected: 4/17/2012 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
1,2,3,6,7,8-HXCDF	0.157	JB	0.0179	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.232	JB	0.0222	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.134	JB	0.0186	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0891	JB	0.0201	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.226	JB	0.0250	MDL	5.60	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.207	JB	0.0183	MDL	5.60	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.521	JB	0.0229	MDL	5.60	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0308	JBQ	0.0179	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.220	JB	0.0487	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	1.10	JB	0.0109	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-162-NBZ-SS-0.0-0.5      Collected: 4/17/2012 9:55:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.72	JB	0.0227	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.949	JB	0.0172	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.105	JB	0.0214	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.165	JB	0.0273	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.264	JB	0.0229	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.361	JB	0.0257	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.197	JB	0.0212	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.308	JB	0.0245	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.147	JB	0.0234	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.230	JB	0.0361	MDL	5.33	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.255	JB	0.0215	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.849	JB	0.0322	MDL	5.33	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.147	JB	0.0220	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.230	JB	0.0675	MDL	1.07	PQL	ng/Kg	J	Z
OCDF	1.55	JB	0.0131	MDL	10.7	PQL	ng/Kg	J	Z

Sample ID: SL-164-NBZ-SS-0.0-0.5      Collected: 4/16/2012 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	2.13	JB	0.0232	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.550	JB	0.0165	MDL	5.84	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

# Data Qualifier Summary

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-164-NBZ-SS-0.0-0.5      Collected: 4/16/2012 11:35:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.117	JB	0.0201	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.113	JB	0.0267	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.171	JB	0.0242	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.958	JB	0.0262	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.198	JB	0.0224	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.44	JB	0.0231	MDL	5.84	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.180	JB	0.0236	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.247	JB	0.0282	MDL	5.84	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.235	JB	0.0271	MDL	5.84	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.163	JB	0.0231	MDL	5.84	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.338	JB	0.0246	MDL	5.84	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0420	JBQ	0.0304	MDL	1.17	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0924	JB	0.0400	MDL	1.17	PQL	ng/Kg	U	B
OCDF	0.857	JB	0.0143	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-166-NBZ-SS-0.0-0.5      Collected: 4/17/2012 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	5.30	JB	0.0244	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.21	JB	0.0189	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.151	JB	0.0226	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.209	JB	0.0361	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.341	JB	0.0291	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.391	JB	0.0354	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.267	JB	0.0275	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.379	JB	0.0329	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.113	JB	0.0294	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.147	JB	0.0259	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.404	JB	0.0431	MDL	5.70	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.314	JB	0.0282	MDL	5.70	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.18	JB	0.0392	MDL	5.70	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0328	JB	0.0260	MDL	1.14	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.299	JB	0.0811	MDL	1.14	PQL	ng/Kg	J	Z
OCDF	2.10	JB	0.0152	MDL	11.4	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method Category:** SVOA  
**Method:** 1613B **Matrix:** SO

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

Collected: 4/16/2012 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	3.96	JB	0.0238	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.926	JB	0.0203	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.146	JB	0.0234	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.289	JB	0.0465	MDL	5.98	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HxCDF	0.405	JB	0.0352	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.629	JB	0.0442	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.426	JB	0.0340	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.717	JB	0.0420	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.210	JB	0.0333	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.415	JB	0.0316	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.617	JB	0.0372	MDL	5.98	PQL	ng/Kg	J	Z, FD
2,3,4,6,7,8-HxCDF	0.371	JB	0.0343	MDL	5.98	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.817	JB	0.0335	MDL	5.98	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.141	JB	0.0334	MDL	1.20	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.277	JB	0.0653	MDL	1.20	PQL	ng/Kg	J	Z
OCDF	1.36	JB	0.0170	MDL	12.0	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

## Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
B	Method Blank Contamination
FD	Field Duplicate Precision
Z	Reporting Limit Trace Value

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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## **Enclosure I**

### **Level III ADR Outliers (including Manual Review Outliers)**

# Quality Control Outlier Reports

DX169

# Method Blank Outlier Report

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1130B370554	4/25/2012 5:54:00 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 2,3,7,8-TCDD 2,3,7,8-TCDF OCDD OCDF	4.68 pg/L 2.74 pg/L 0.834 pg/L 0.409 pg/L 0.605 pg/L 0.615 pg/L 0.621 pg/L 0.658 pg/L 0.743 pg/L 0.622 pg/L 0.643 pg/L 0.823 pg/L 0.706 pg/L 0.349 pg/L 0.320 pg/L 9.98 pg/L 2.13 pg/L	EB-NBZ-SB-041712 EB-NBZ-SS-041212
BLK1210B370043	5/2/2012 12:43:00 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-TCDD 2,3,7,8-TCDF OCDD OCDF	3.29 pg/L 0.720 pg/L 0.566 pg/L 0.408 pg/L 0.479 pg/L 0.426 pg/L 0.378 pg/L 0.506 pg/L 0.336 pg/L 0.409 pg/L 0.468 pg/L 0.690 pg/L 0.270 pg/L 0.288 pg/L 6.72 pg/L 1.02 pg/L	EB-NBZ-SS-041712

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB-NBZ-SB-041712(RES)	1,2,3,4,6,7,8-HPCDD	4.17 pg/L	4.17U pg/L
EB-NBZ-SB-041712(RES)	1,2,3,4,6,7,8-HPCDF	2.19 pg/L	2.19U pg/L
EB-NBZ-SB-041712(RES)	1,2,3,4,7,8,9-HPCDF	0.516 pg/L	0.516U pg/L
EB-NBZ-SB-041712(RES)	1,2,3,4,7,8-HxCDD	0.316 pg/L	0.316U pg/L
EB-NBZ-SB-041712(RES)	1,2,3,4,7,8-HXCDF	0.705 pg/L	0.705U pg/L
EB-NBZ-SB-041712(RES)	1,2,3,6,7,8-HXCDD	0.770 pg/L	0.770U pg/L
EB-NBZ-SB-041712(RES)	1,2,3,6,7,8-HXCDF	0.772 pg/L	0.772U pg/L
EB-NBZ-SB-041712(RES)	1,2,3,7,8,9-HXCDD	0.350 pg/L	0.350U pg/L
EB-NBZ-SB-041712(RES)	1,2,3,7,8,9-HXCDF	0.523 pg/L	0.523U pg/L
EB-NBZ-SB-041712(RES)	1,2,3,7,8-PECDD	0.590 pg/L	0.590U pg/L
EB-NBZ-SB-041712(RES)	1,2,3,7,8-PECDF	0.567 pg/L	0.567U pg/L
EB-NBZ-SB-041712(RES)	2,3,4,6,7,8-HXCDF	0.945 pg/L	0.945U pg/L
EB-NBZ-SB-041712(RES)	2,3,4,7,8-PECDF	0.720 pg/L	0.720U pg/L
EB-NBZ-SB-041712(RES)	2,3,7,8-TCDD	0.376 pg/L	0.376U pg/L
EB-NBZ-SB-041712(RES)	2,3,7,8-TCDF	0.406 pg/L	0.406U pg/L

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The following samples and their listed target analytes were qualified due to contamination reported in this blank*

Sample ID	Analyte	Reported Result	Modified Final Result
EB-NBZ-SB-041712(RES)	OCDD	8.34 pg/L	8.34U pg/L
EB-NBZ-SB-041712(RES)	OCDF	1.60 pg/L	1.60U pg/L
EB-NBZ-SS-041212(RES)	1,2,3,4,6,7,8-HPCDD	3.62 pg/L	3.62U pg/L
EB-NBZ-SS-041212(RES)	1,2,3,4,6,7,8-HPCDF	1.90 pg/L	1.90U pg/L
EB-NBZ-SS-041212(RES)	1,2,3,4,7,8,9-HPCDF	0.483 pg/L	0.483U pg/L
EB-NBZ-SS-041212(RES)	1,2,3,4,7,8-HxCDD	0.396 pg/L	0.396U pg/L
EB-NBZ-SS-041212(RES)	1,2,3,4,7,8-HxCDF	0.465 pg/L	0.465U pg/L
EB-NBZ-SS-041212(RES)	1,2,3,6,7,8-HxCDD	0.437 pg/L	0.437U pg/L
EB-NBZ-SS-041212(RES)	1,2,3,6,7,8-HxCDF	0.424 pg/L	0.424U pg/L
EB-NBZ-SS-041212(RES)	1,2,3,7,8,9-HxCDD	0.467 pg/L	0.467U pg/L
EB-NBZ-SS-041212(RES)	1,2,3,7,8-PECDF	0.328 pg/L	0.328U pg/L
EB-NBZ-SS-041212(RES)	2,3,4,6,7,8-HxCDF	0.536 pg/L	0.536U pg/L
EB-NBZ-SS-041212(RES)	2,3,4,7,8-PECDF	0.601 pg/L	0.601U pg/L
EB-NBZ-SS-041212(RES)	2,3,7,8-TCDD	0.295 pg/L	0.295U pg/L
EB-NBZ-SS-041212(RES)	OCDD	6.52 pg/L	6.52U pg/L
EB-NBZ-SS-041212(RES)	OCDF	1.70 pg/L	1.70U pg/L
EB-NBZ-SS-041712(RES)	1,2,3,4,6,7,8-HPCDD	3.59 pg/L	3.59U pg/L
EB-NBZ-SS-041712(RES)	1,2,3,4,6,7,8-HPCDF	0.754 pg/L	0.754U pg/L
EB-NBZ-SS-041712(RES)	1,2,3,4,7,8,9-HPCDF	0.476 pg/L	0.476U pg/L
EB-NBZ-SS-041712(RES)	1,2,3,4,7,8-HxCDD	0.251 pg/L	0.251U pg/L
EB-NBZ-SS-041712(RES)	1,2,3,4,7,8-HxCDF	0.262 pg/L	0.262U pg/L
EB-NBZ-SS-041712(RES)	1,2,3,6,7,8-HxCDD	0.552 pg/L	0.552U pg/L
EB-NBZ-SS-041712(RES)	1,2,3,6,7,8-HxCDF	0.180 pg/L	0.180U pg/L
EB-NBZ-SS-041712(RES)	1,2,3,7,8,9-HxCDD	0.334 pg/L	0.334U pg/L
EB-NBZ-SS-041712(RES)	1,2,3,7,8,9-HxCDF	0.427 pg/L	0.427U pg/L
EB-NBZ-SS-041712(RES)	1,2,3,7,8-PECDD	0.312 pg/L	0.312U pg/L
EB-NBZ-SS-041712(RES)	2,3,4,6,7,8-HxCDF	0.495 pg/L	0.495U pg/L
EB-NBZ-SS-041712(RES)	2,3,4,7,8-PECDF	0.467 pg/L	0.467U pg/L
EB-NBZ-SS-041712(RES)	OCDD	8.53 pg/L	8.53U pg/L
EB-NBZ-SS-041712(RES)	OCDF	1.19 pg/L	1.19U pg/L

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1110B371938	4/23/2012 7:38:00 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	0.316 ng/Kg 0.0899 ng/Kg 0.0485 ng/Kg 0.0312 ng/Kg 0.0798 ng/Kg 0.0865 ng/Kg 0.0489 ng/Kg 0.0542 ng/Kg 0.0520 ng/Kg 0.0550 ng/Kg 0.0230 ng/Kg 0.0535 ng/Kg 0.0733 ng/Kg 0.0433 ng/Kg 0.0306 ng/Kg 0.496 ng/Kg 0.142 ng/Kg	DUP-08-NBZ-QC-041612 SL-013-NBZ-SS-0.0-0.5 SL-014-NBZ-SS-0.0-0.5 SL-088-NBZ-SS-0.0-0.5 SL-144-NBZ-SS-0.0-0.5 SL-152-NBZ-SS-0.0-0.5 SL-156-NBZ-SS-0.0-0.5 SL-159-NBZ-SS-0.0-0.5 SL-160-NBZ-SS-0.0-0.5 SL-161-NBZ-SS-0.0-0.5 SL-162-NBZ-SS-0.0-0.5 SL-164-NBZ-SS-0.0-0.5 SL-166-NBZ-SS-0.0-0.5 SL-173-NBZ-SS-0.0-0.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP-08-NBZ-QC-041612(RES)	1,2,3,4,7,8,9-HPCDF	0.146 ng/Kg	0.146U ng/Kg
DUP-08-NBZ-QC-041612(RES)	1,2,3,4,7,8-HXCDF	0.271 ng/Kg	0.271U ng/Kg
DUP-08-NBZ-QC-041612(RES)	1,2,3,7,8,9-HXCDF	0.176 ng/Kg	0.176U ng/Kg
DUP-08-NBZ-QC-041612(RES)	2,3,4,6,7,8-HXCDF	0.262 ng/Kg	0.262U ng/Kg
DUP-08-NBZ-QC-041612(RES)	2,3,7,8-TCDD	0.0934 ng/Kg	0.0934U ng/Kg
SL-013-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.235 ng/Kg	0.235U ng/Kg
SL-013-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0475 ng/Kg	0.0475U ng/Kg
SL-014-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.188 ng/Kg	0.188U ng/Kg
SL-014-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.240 ng/Kg	0.240U ng/Kg
SL-014-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.146 ng/Kg	0.146U ng/Kg
SL-014-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.151 ng/Kg	0.151U ng/Kg
SL-014-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.245 ng/Kg	0.245U ng/Kg
SL-088-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.187 ng/Kg	0.187U ng/Kg
SL-088-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0954 ng/Kg	0.0954U ng/Kg
SL-088-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.229 ng/Kg	0.229U ng/Kg
SL-088-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0517 ng/Kg	0.0517U ng/Kg
SL-144-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.09 ng/Kg	1.09U ng/Kg
SL-144-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.328 ng/Kg	0.328U ng/Kg
SL-144-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0684 ng/Kg	0.0684U ng/Kg
SL-144-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0419 ng/Kg	0.0419U ng/Kg
SL-144-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.138 ng/Kg	0.138U ng/Kg
SL-144-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.229 ng/Kg	0.229U ng/Kg
SL-144-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.153 ng/Kg	0.153U ng/Kg
SL-144-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0618 ng/Kg	0.0618U ng/Kg
SL-144-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-144-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.250 ng/Kg	0.250U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-144-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0817 ng/Kg	0.0817U ng/Kg
SL-144-NBZ-SS-0.0-0.5(RES)	OCDF	0.462 ng/Kg	0.462U ng/Kg
SL-152-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.112 ng/Kg	0.112U ng/Kg
SL-152-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.391 ng/Kg	0.391U ng/Kg
SL-152-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.367 ng/Kg	0.367U ng/Kg
SL-152-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.183 ng/Kg	0.183U ng/Kg
SL-152-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.202 ng/Kg	0.202U ng/Kg
SL-152-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0428 ng/Kg	0.0428U ng/Kg
SL-156-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.112 ng/Kg	0.112U ng/Kg
SL-156-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.110 ng/Kg	0.110U ng/Kg
SL-156-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.292 ng/Kg	0.292U ng/Kg
SL-156-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.269 ng/Kg	0.269U ng/Kg
SL-156-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.188 ng/Kg	0.188U ng/Kg
SL-156-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.228 ng/Kg	0.228U ng/Kg
SL-156-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.127 ng/Kg	0.127U ng/Kg
SL-156-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.136 ng/Kg	0.136U ng/Kg
SL-156-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.259 ng/Kg	0.259U ng/Kg
SL-156-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0385 ng/Kg	0.0385U ng/Kg
SL-159-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.155 ng/Kg	0.155U ng/Kg
SL-159-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.133 ng/Kg	0.133U ng/Kg
SL-159-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.185 ng/Kg	0.185U ng/Kg
SL-159-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.322 ng/Kg	0.322U ng/Kg
SL-159-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.177 ng/Kg	0.177U ng/Kg
SL-159-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.104 ng/Kg	0.104U ng/Kg
SL-159-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.115 ng/Kg	0.115U ng/Kg
SL-159-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0468 ng/Kg	0.0468U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0688 ng/Kg	0.0688U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0864 ng/Kg	0.0864U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.120 ng/Kg	0.120U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.165 ng/Kg	0.165U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0911 ng/Kg	0.0911U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.172 ng/Kg	0.172U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0288 ng/Kg	0.0288U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0928 ng/Kg	0.0928U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.158 ng/Kg	0.158U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.261 ng/Kg	0.261U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0924 ng/Kg	0.0924U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-161-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0980 ng/Kg	0.0980U ng/Kg
SL-161-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0989 ng/Kg	0.0989U ng/Kg
SL-161-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.219 ng/Kg	0.219U ng/Kg
SL-161-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDD	0.251 ng/Kg	0.251U ng/Kg
SL-161-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.157 ng/Kg	0.157U ng/Kg
SL-161-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDD	0.232 ng/Kg	0.232U ng/Kg
SL-161-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.134 ng/Kg	0.134U ng/Kg
SL-161-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PCDD	0.0891 ng/Kg	0.0891U ng/Kg
SL-161-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.207 ng/Kg	0.207U ng/Kg
SL-161-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0308 ng/Kg	0.0308U ng/Kg
SL-162-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.105 ng/Kg	0.105U ng/Kg
SL-162-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.264 ng/Kg	0.264U ng/Kg
SL-162-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDD	0.361 ng/Kg	0.361U ng/Kg
SL-162-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.197 ng/Kg	0.197U ng/Kg
SL-162-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PCDD	0.147 ng/Kg	0.147U ng/Kg
SL-162-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.255 ng/Kg	0.255U ng/Kg
SL-162-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.147 ng/Kg	0.147U ng/Kg
SL-164-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.117 ng/Kg	0.117U ng/Kg
SL-164-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.113 ng/Kg	0.113U ng/Kg
SL-164-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.171 ng/Kg	0.171U ng/Kg
SL-164-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.198 ng/Kg	0.198U ng/Kg
SL-164-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.180 ng/Kg	0.180U ng/Kg
SL-164-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PCDD	0.247 ng/Kg	0.247U ng/Kg
SL-164-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.163 ng/Kg	0.163U ng/Kg
SL-164-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PCDF	0.338 ng/Kg	0.338U ng/Kg
SL-164-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0420 ng/Kg	0.0420U ng/Kg
SL-164-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0924 ng/Kg	0.0924U ng/Kg
SL-166-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.151 ng/Kg	0.151U ng/Kg
SL-166-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.341 ng/Kg	0.341U ng/Kg
SL-166-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDD	0.391 ng/Kg	0.391U ng/Kg
SL-166-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.113 ng/Kg	0.113U ng/Kg
SL-166-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PCDD	0.147 ng/Kg	0.147U ng/Kg
SL-166-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0328 ng/Kg	0.0328U ng/Kg
SL-173-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.146 ng/Kg	0.146U ng/Kg
SL-173-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.210 ng/Kg	0.210U ng/Kg
SL-173-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.141 ng/Kg	0.141U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Field Duplicate RPD Report

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 160.3M  
Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-173-NBZ-SS-0.0-0.5	DUP-08-NBZ-QC-041612			
MOISTURE	16.7	15.9	5		No Qualifiers Applied

Method: 1613B  
Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag	
	SL-173-NBZ-SS-0.0-0.5	DUP-08-NBZ-QC-041612				
1,2,3,4,6,7,8-HPCDD	3.96	2.89	31	50.00	No Qualifiers Applied	
1,2,3,4,6,7,8-HPCDF	0.926	0.802	14	50.00		
1,2,3,4,7,8,9-HPCDF	0.146	0.146	0	50.00		
1,2,3,4,7,8-HXCDF	0.405	0.271	40	50.00		
1,2,3,6,7,8-HXCDD	0.629	0.466	30	50.00		
1,2,3,6,7,8-HXCDF	0.426	0.267	46	50.00		
1,2,3,7,8,9-HXCDD	0.717	0.635	12	50.00		
1,2,3,7,8,9-HXCDF	0.210	0.176	18	50.00		
1,2,3,7,8-PECDD	0.415	0.313	28	50.00		
2,3,4,6,7,8-HXCDF	0.371	0.262	34	50.00		
2,3,4,7,8-PECDF	0.817	0.659	21	50.00		
2,3,7,8-TCDD	0.141	0.0934	41	50.00		
2,3,7,8-TCDF	0.277	0.202	31	50.00		
OCDD	22.3	18.7	18	50.00		
OCDF	1.36	1.35	1	50.00		
1,2,3,4,7,8-HxCDD	0.289	0.164	55	50.00		J(all detects)
1,2,3,7,8-PECDF	0.617	0.368	51	50.00		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-NBZ-SB-041712	1,2,3,4,6,7,8-HPCDD	JB	4.17	10.5	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	2.19	10.5	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.516	10.5	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.316	10.5	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	0.705	10.5	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JB	0.770	10.5	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JB	0.772	10.5	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JB	0.350	10.5	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JB	0.523	10.5	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.590	10.5	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	0.567	10.5	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.945	10.5	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.720	10.5	PQL	pg/L	
	2,3,7,8-TCDD	JB	0.376	2.10	PQL	pg/L	
	2,3,7,8-TCDF	JBQ	0.406	2.10	PQL	pg/L	
	OCDD	JB	8.34	21.0	PQL	pg/L	
OCDF	JBQ	1.60	21.0	PQL	pg/L		
EB-NBZ-SS-041212	1,2,3,4,6,7,8-HPCDD	JB	3.62	10.5	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.90	10.5	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.483	10.5	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.396	10.5	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.465	10.5	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JB	0.437	10.5	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.424	10.5	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JBQ	0.467	10.5	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.328	10.5	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	0.536	10.5	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.601	10.5	PQL	pg/L	
	2,3,7,8-TCDD	JBQ	0.295	2.09	PQL	pg/L	
	OCDD	JB	6.52	20.9	PQL	pg/L	
OCDF	JB	1.70	20.9	PQL	pg/L		
EB-NBZ-SS-041712	1,2,3,4,6,7,8-HPCDD	JB	3.59	10.8	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.754	10.8	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.476	10.8	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JB	0.251	10.8	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.262	10.8	PQL	pg/L	
	1,2,3,6,7,8-HxCDD	JB	0.552	10.8	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.180	10.8	PQL	pg/L	
	1,2,3,7,8,9-HxCDD	JBQ	0.334	10.8	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JB	0.427	10.8	PQL	pg/L	
	1,2,3,7,8-PECDD	JBQ	0.312	10.8	PQL	pg/L	
	1,2,3,7,8-PECDF	J	0.365	10.8	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	0.495	10.8	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.467	10.8	PQL	pg/L	
	OCDD	JB	8.53	21.6	PQL	pg/L	
	OCDF	JBQ	1.19	21.6	PQL	pg/L	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-08-NBZ-QC-041612	1,2,3,4,6,7,8-HPCDD	JB	2.89	5.85	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.802	5.85	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.146	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.164	5.85	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.271	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.466	5.85	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.267	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.635	5.85	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.176	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.313	5.85	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.368	5.85	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.262	5.85	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.659	5.85	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0934	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.202	1.17	PQL	ng/Kg	
	OCDF	JB	1.35	11.7	PQL	ng/Kg	
	SL-013-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.16	7.09	PQL	
1,2,3,4,7,8,9-HPCDF		JB	0.270	7.09	PQL	ng/Kg	
1,2,3,4,7,8-HxCDD		JB	0.271	7.09	PQL	ng/Kg	
1,2,3,4,7,8-HXCDF		JB	0.646	7.09	PQL	ng/Kg	
1,2,3,6,7,8-HxCDD		JB	0.725	7.09	PQL	ng/Kg	
1,2,3,6,7,8-HXCDF		JB	0.351	7.09	PQL	ng/Kg	
1,2,3,7,8,9-HxCDD		JB	0.590	7.09	PQL	ng/Kg	
1,2,3,7,8,9-HXCDF		JB	0.301	7.09	PQL	ng/Kg	
1,2,3,7,8-PECDD		JB	0.235	7.09	PQL	ng/Kg	
1,2,3,7,8-PECDF		JB	0.744	7.09	PQL	ng/Kg	
2,3,4,6,7,8-HXCDF		JB	0.394	7.09	PQL	ng/Kg	
2,3,4,7,8-PECDF		JB	0.883	7.09	PQL	ng/Kg	
2,3,7,8-TCDD		JB	0.0475	1.42	PQL	ng/Kg	
2,3,7,8-TCDF		JB	0.395	1.42	PQL	ng/Kg	
OCDF	JB	3.89	14.2	PQL	ng/Kg		
SL-014-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.68	5.84	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.188	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.174	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.619	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.439	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.240	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.362	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.146	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.151	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.96	5.84	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.245	5.84	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.395	5.84	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.385	1.17	PQL	ng/Kg	
	OCDF	JB	3.17	11.7	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-088-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.93	6.23	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.187	6.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.203	6.23	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.631	6.23	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.619	6.23	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.306	6.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.532	6.23	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0954	6.23	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.229	6.23	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	2.91	6.23	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDD	JB	0.282	6.23	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.486	6.23	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0517	1.25	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.695	1.25	PQL	ng/Kg	
	OCDF	JB	4.07	12.5	PQL	ng/Kg	
	SL-144-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.09	5.64	PQL	
1,2,3,4,6,7,8-HPCDF		JB	0.328	5.64	PQL	ng/Kg	
1,2,3,4,7,8,9-HPCDF		JB	0.0684	5.64	PQL	ng/Kg	
1,2,3,4,7,8-HxCDD		JB	0.0419	5.64	PQL	ng/Kg	
1,2,3,4,7,8-HXCDF		JB	0.138	5.64	PQL	ng/Kg	
1,2,3,6,7,8-HxCDD		JB	0.229	5.64	PQL	ng/Kg	
1,2,3,6,7,8-HXCDF		JB	0.153	5.64	PQL	ng/Kg	
1,2,3,7,8,9-HxCDD		JB	0.297	5.64	PQL	ng/Kg	
1,2,3,7,8,9-HXCDF		JB	0.297	5.64	PQL	ng/Kg	
1,2,3,7,8-PECDD		JB	0.0618	5.64	PQL	ng/Kg	
1,2,3,7,8-PECDF		JB	0.234	5.64	PQL	ng/Kg	
2,3,4,6,7,8-HxCDD		JB	0.120	5.64	PQL	ng/Kg	
2,3,4,7,8-PECDF		JB	0.250	5.64	PQL	ng/Kg	
2,3,7,8-TCDF		JB	0.0817	1.13	PQL	ng/Kg	
OCDD		JB	4.92	11.3	PQL	ng/Kg	
OCDF		JB	0.462	11.3	PQL	ng/Kg	
SL-152-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.82	5.74	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.24	5.74	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.112	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.169	5.74	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.391	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.367	5.74	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.334	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.291	5.74	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.183	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.202	5.74	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.565	5.74	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDD	JB	0.500	5.74	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.30	5.74	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0428	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.394	1.15	PQL	ng/Kg	
	OCDF	JB	1.83	11.5	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-156-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.20	6.15	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.849	6.15	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.112	6.15	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.110	6.15	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.292	6.15	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.269	6.15	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.188	6.15	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.228	6.15	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.127	6.15	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.136	6.15	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.326	6.15	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.259	6.15	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.762	6.15	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0385	1.23	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.254	1.23	PQL	ng/Kg	
	OCDF	JB	1.47	12.3	PQL	ng/Kg	
SL-159-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.60	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.860	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.155	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.133	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.185	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.322	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.177	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.409	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.104	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.115	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.168	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.293	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.529	5.69	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0468	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.179	1.14	PQL	ng/Kg	
	OCDF	JB	1.44	11.4	PQL	ng/Kg	
SL-160-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.94	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.474	5.47	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0688	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0864	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.120	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.165	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0911	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.172	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0288	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0928	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.139	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.158	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.261	5.47	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0924	1.09	PQL	ng/Kg	
	OCDF	JB	0.711	10.9	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-161-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.21	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.734	5.60	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0980	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0989	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.219	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	0.157	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.232	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.134	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0891	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.226	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.207	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.521	5.60	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0308	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.220	1.12	PQL	ng/Kg	
	OCDF	JB	1.10	11.2	PQL	ng/Kg	
SL-162-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.72	5.33	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.949	5.33	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.105	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.165	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.264	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.361	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.197	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.308	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.147	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.230	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.255	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.849	5.33	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.147	1.07	PQL	ng/Kg	
2,3,7,8-TCDF	JB	0.230	1.07	PQL	ng/Kg		
OCDF	JB	1.55	10.7	PQL	ng/Kg		
SL-164-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.13	5.84	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.550	5.84	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.117	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.113	5.84	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.171	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.958	5.84	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.198	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	1.44	5.84	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.180	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.247	5.84	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.235	5.84	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.163	5.84	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.338	5.84	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0420	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0924	1.17	PQL	ng/Kg	
	OCDF	JB	0.857	11.7	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX169

Laboratory: LL

EDD Filename: DX169\_v1.

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-166-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	5.30	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.21	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.151	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.209	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.341	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.391	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.267	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.379	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.113	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.147	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.404	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.314	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.18	5.70	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0328	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.299	1.14	PQL	ng/Kg	
	OCDF	JB	2.10	11.4	PQL	ng/Kg	
SL-173-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.96	5.98	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.926	5.98	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.146	5.98	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.289	5.98	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.405	5.98	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.629	5.98	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.426	5.98	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.717	5.98	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.210	5.98	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.415	5.98	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.617	5.98	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.371	5.98	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.817	5.98	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.141	1.20	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.277	1.20	PQL	ng/Kg	
	OCDF	JB	1.36	12.0	PQL	ng/Kg	

# **SAMPLE DELIVERY GROUP**

**DX170**



# **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-Apr-2012	SL-172-NBZ-SS-0.0-0.5	6616887	N	METHOD	1613B	III
12-Apr-2012	SL-158-NBZ-SS-0.0-0.5	6616886	N	METHOD	1613B	III
13-Apr-2012	SL-180-NBZ-SS-0.0-0.5	6616888	N	METHOD	1613B	III
13-Apr-2012	SL-183-NBZ-SS-0.0-0.5	6616889	N	METHOD	1613B	III
17-Apr-2012	SL-090-NBZ-SS-0.0-0.5	6622565	N	METHOD	1613B	III
17-Apr-2012	SL-147-NBZ-SS-0.0-0.5	6622566	N	METHOD	1613B	III
18-Apr-2012	SL-008-NBZ-SB-4.0-5.0	6622567	N	METHOD	1613B	III
18-Apr-2012	SL-081-NBZ-SS-0.0-0.5	6622568	N	METHOD	1613B	III
18-Apr-2012	SL-082-NBZ-SS-0.0-0.5	6622569	N	METHOD	1613B	III
18-Apr-2012	SL-082-NBZ-SB-2.5-3.5	6622570	N	METHOD	1613B	III
18-Apr-2012	SL-189-NBZ-SS-0.0-0.5	6622572	N	METHOD	1613B	IV
18-Apr-2012	SL-083-NBZ-SB-0.0-0.5	6622571	N	METHOD	1613B	III
18-Apr-2012	SL-160-NBZ-SS-0.0-0.5	6624306	N	METHOD	1613B	III
18-Apr-2012	SL-146-NBZ-SS-0.0-0.5	6624305	N	METHOD	1613B	III
19-Apr-2012	SL-012-NBZ-SS-0.0-0.5	6624307	N	METHOD	1613B	IV
19-Apr-2012	SL-012-NBZ-SB-0.5-1.5	6624308	N	METHOD	1613B	III
19-Apr-2012	SL-087-NBZ-SS-0.0-0.5	6624310	N	METHOD	1613B	IV
19-Apr-2012	SL-086-NBZ-SS-0.0-0.5	6624309	N	METHOD	1613B	IV

## **Attachment II**

### **Overall Data Qualification Summary**

# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-008-NBZ-SB-4.0-5.0      Collected: 4/18/2012 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	0.345	JB	0.0215	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0620	JB	0.0108	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0376	JBQ	0.0174	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0285	JBQ	0.0163	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0298	JBQ	0.0111	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0255	JBQ	0.0171	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.0360	JB	0.0171	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0499	JB	0.0126	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0308	J	0.0220	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0433	JBQ	0.0155	MDL	5.17	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0198	JB	0.00948	MDL	5.17	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0383	JB	0.0155	MDL	5.17	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0293	JQ	0.0239	MDL	1.03	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0261	JBQ	0.0176	MDL	1.03	PQL	ng/Kg	U	B
OCDD	0.827	JB	0.0242	MDL	10.3	PQL	ng/Kg	U	B
OCDF	0.124	JB	0.0212	MDL	10.3	PQL	ng/Kg	U	B

Sample ID: SL-012-NBZ-SB-0.5-1.5      Collected: 4/19/2012 9:25:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.524	JB	0.0289	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.104	JB	0.0117	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0334	JB	0.0217	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0599	JBQ	0.0238	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0668	JB	0.0146	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.0847	JB	0.0252	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0629	J	0.0128	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.149	JB	0.0243	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0882	JB	0.0164	MDL	5.91	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0604	J	0.0281	MDL	5.91	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0845	JBQ	0.0200	MDL	5.91	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0463	JB	0.0115	MDL	5.91	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-012-NBZ-SB-0.5-1.5      Collected: 4/19/2012 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	0.0638	JBQ	0.0200	MDL	5.91	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0665	JB	0.0274	MDL	1.18	PQL	ng/Kg	U	B
OCDD	2.17	JB	0.0256	MDL	11.8	PQL	ng/Kg	U	B
OCDF	0.178	JB	0.0250	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-012-NBZ-SS-0.0-0.5      Collected: 4/19/2012 8:46:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.52	JB	0.0353	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.593	JB	0.0180	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0859	JB	0.0347	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.108	JB	0.0514	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDF	0.230	JB	0.0369	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.477	JB	0.0540	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.167	J	0.0323	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.592	JB	0.0497	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.126	JB	0.0436	MDL	5.88	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.187	J	0.0343	MDL	5.88	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.262	JB	0.0356	MDL	5.88	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.201	JB	0.0324	MDL	5.88	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.284	JB	0.0370	MDL	5.88	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.249	JB	0.0576	MDL	1.18	PQL	ng/Kg	J	Z
OCDF	1.19	JB	0.0323	MDL	11.8	PQL	ng/Kg	J	Z

Sample ID: SL-081-NBZ-SS-0.0-0.5      Collected: 4/18/2012 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	4.66	JB	0.0419	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.04	JB	0.0350	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.113	JB	0.0546	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.194	JB	0.0502	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.378	JB	0.0471	MDL	5.83	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-081-NBZ-SS-0.0-0.5      Collected: 4/18/2012 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
1,2,3,6,7,8-HXCDD	0.355	JB	0.0517	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.222	J	0.0421	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.305	JB	0.0509	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.105	JB	0.0501	MDL	5.83	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.173	J	0.0399	MDL	5.83	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.486	JB	0.0665	MDL	5.83	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.260	JB	0.0425	MDL	5.83	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.802	JB	0.0635	MDL	5.83	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.325	JB	0.116	MDL	1.17	PQL	ng/Kg	J	Z
OCDF	1.76	JB	0.0297	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-082-NBZ-SB-2.5-3.5      Collected: 4/18/2012 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	1.20	JB	0.0405	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.208	JB	0.0163	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0398	JBQ	0.0254	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0324	JB	0.0251	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.236	JB	0.0221	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.0729	JB	0.0269	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0579	J	0.0195	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.110	JB	0.0262	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0394	JB	0.0230	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0486	JQ	0.0338	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.63	JB	0.0510	MDL	5.69	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.102	JB	0.0475	MDL	5.69	PQL	ng/Kg	U	B
OCDD	9.90	JB	0.0266	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.277	JB	0.0260	MDL	11.4	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-082-NBZ-SS-0.0-0.5      Collected: 4/18/2012 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
1,2,3,4,6,7,8-HPCDF	2.29	JB	0.0303	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.446	JB	0.0506	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.361	JB	0.0590	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.79	JB	0.0970	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.756	JB	0.0638	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.571	J	0.0891	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.672	JB	0.0638	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.351	JB	0.107	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.315	J	0.0589	MDL	5.75	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.505	JB	0.0815	MDL	5.75	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.842	JB	0.139	MDL	5.75	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.950	JB	0.392	MDL	1.15	PQL	ng/Kg	J	Z
OCDF	3.28	JB	0.0287	MDL	11.5	PQL	ng/Kg	J	Z

Sample ID: SL-083-NBZ-SB-0.0-0.5      Collected: 4/18/2012 2:06:00      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	0.811	JB	0.0228	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.156	JB	0.0355	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.0986	JB	0.0396	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	2.50	JB	0.0661	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.313	JB	0.0406	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.146	J	0.0603	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.243	JB	0.0396	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.188	JBQ	0.0737	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0388	J	0.0385	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.196	JB	0.0609	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.416	JB	0.118	MDL	5.64	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0337	J	0.0276	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.417	JB	0.273	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	1.27	JB	0.0291	MDL	11.3	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-086-NBZ-SS-0.0-0.5      Collected: 4/19/2012 11:40:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.83	JB	0.0202	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.244	JB	0.0339	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.252	JB	0.0555	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.04	JB	0.0496	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.617	JB	0.0571	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.295	J	0.0421	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.485	JB	0.0573	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.151	JB	0.0518	MDL	6.04	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.188	J	0.0380	MDL	6.04	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	3.30	JB	0.0850	MDL	6.04	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.305	JB	0.0421	MDL	6.04	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.684	JB	0.0885	MDL	6.04	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0744	J	0.0353	MDL	1.21	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.573	JB	0.218	MDL	1.21	PQL	ng/Kg	J	Z
OCDF	3.87	JB	0.0274	MDL	12.1	PQL	ng/Kg	J	Z

Sample ID: SL-087-NBZ-SS-0.0-0.5      Collected: 4/19/2012 10:09:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.11	JB	0.0228	MDL	6.97	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.162	JBQ	0.0439	MDL	6.97	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.183	JB	0.0517	MDL	6.97	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.436	JB	0.0405	MDL	6.97	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.562	JB	0.0567	MDL	6.97	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.183	JQ	0.0363	MDL	6.97	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.498	JB	0.0574	MDL	6.97	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0767	JB	0.0466	MDL	6.97	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.236	J	0.0407	MDL	6.97	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.01	JB	0.0613	MDL	6.97	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.217	JB	0.0346	MDL	6.97	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.458	JB	0.0625	MDL	6.97	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.398	JB	0.123	MDL	1.39	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-087-NBZ-SS-0.0-0.5	Collected: 4/19/2012 10:09:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	2.32	JB	0.0346	MDL	13.9	PQL	ng/Kg	J	Z

Sample ID: SL-090-NBZ-SS-0.0-0.5	Collected: 4/17/2012 2:12:00	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	3.21	JB	0.0306	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.396	JB	0.0451	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.407	JB	0.0586	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.450	JB	0.0387	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	1.28	JB	0.0597	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.293	J	0.0354	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.789	JB	0.0586	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.128	JBQ	0.0429	MDL	5.87	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.271	J	0.0399	MDL	5.87	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.483	JB	0.0456	MDL	5.87	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.380	JB	0.0348	MDL	5.87	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.647	JB	0.0442	MDL	5.87	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0352	J	0.0310	MDL	1.17	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.269	JB	0.0660	MDL	1.17	PQL	ng/Kg	J	Z
OCDF	7.08	JB	0.0282	MDL	11.7	PQL	ng/Kg	J	Z

Sample ID: SL-146-NBZ-SS-0.0-0.5	Collected: 4/18/2012 3:40:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.61	JB	0.0327	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.03	JB	0.0228	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0922	JB	0.0415	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.107	JB	0.0370	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.248	JB	0.0346	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.252	JB	0.0403	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.176	J	0.0313	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.242	JBQ	0.0394	MDL	5.66	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

Sample ID: SL-146-NBZ-SS-0.0-0.5      Collected: 4/18/2012 3:40:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.0627	JB	0.0406	MDL	5.66	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.108	J	0.0271	MDL	5.66	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.292	JB	0.0366	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.231	JB	0.0304	MDL	5.66	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.571	JB	0.0344	MDL	5.66	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0440	J	0.0280	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.284	JB	0.0663	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	1.88	JB	0.0251	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-147-NBZ-SS-0.0-0.5      Collected: 4/17/2012 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	2.21	JB	0.0272	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.480	JB	0.0205	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0637	JB	0.0304	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0918	JB	0.0330	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.173	JB	0.0253	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.206	JB	0.0348	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0950	J	0.0226	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.190	JB	0.0371	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0793	JB	0.0279	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0655	J	0.0265	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.357	JB	0.0329	MDL	5.76	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.130	JB	0.0212	MDL	5.76	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.323	JB	0.0321	MDL	5.76	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0413	J	0.0301	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.158	JB	0.0554	MDL	1.15	PQL	ng/Kg	J	Z
OCDF	0.865	JB	0.0314	MDL	11.5	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Method:</b>	1613B	<b>Matrix:</b>	SO
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Sample ID: SL-158-NBZ-SS-0.0-0.5      Collected: 4/12/2012 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	1.65	JB	0.0318	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.305	JB	0.0168	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0452	JBQ	0.0225	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0446	JB	0.0306	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.112	JB	0.0279	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.212	JB	0.0327	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.112	J	0.0255	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.402	JB	0.0315	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0463	JB	0.0288	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0519	JQ	0.0271	MDL	5.68	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.118	JB	0.0279	MDL	5.68	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0664	JB	0.0242	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.196	JB	0.0267	MDL	5.68	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0457	JQ	0.0298	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0706	JBQ	0.0380	MDL	1.14	PQL	ng/Kg	U	B
OCDF	0.633	JB	0.0225	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-160-NBZ-SS-0.0-0.5      Collected: 4/18/2012 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	1.97	JB	0.0235	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.492	JB	0.0146	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0638	JB	0.0236	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0804	JBQ	0.0285	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.238	JB	0.0276	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.246	JB	0.0311	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.159	J	0.0246	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.247	JB	0.0310	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0436	JB	0.0302	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.108	J	0.0219	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.253	JBQ	0.0365	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.225	JB	0.0234	MDL	5.61	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-160-NBZ-SS-0.0-0.5	Collected: 4/18/2012 2:25:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.605	JB	0.0369	MDL	5.61	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.208	JB	0.0591	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	10.7	JB	0.0227	MDL	11.2	PQL	ng/Kg	J	Z
OCDF	0.826	JB	0.0236	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-172-NBZ-SS-0.0-0.5	Collected: 4/12/2012 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	3.36	JB	0.0324	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.651	JB	0.0249	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0942	JBQ	0.0358	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0964	JB	0.0326	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.171	JB	0.0326	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.212	JB	0.0350	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.112	J	0.0301	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.166	JB	0.0331	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.101	J	0.0316	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.203	JB	0.0387	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.145	JB	0.0283	MDL	5.64	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.462	JB	0.0370	MDL	5.64	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.149	JB	0.0636	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	1.21	JB	0.0283	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-180-NBZ-SS-0.0-0.5	Collected: 4/13/2012 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	5.42	JB	0.0332	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.03	JB	0.0319	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0878	JBQ	0.0429	MDL	6.07	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.152	JB	0.0422	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.296	JB	0.0388	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.352	JB	0.0487	MDL	6.07	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA		
<b>Method:</b>	1613B	<b>Matrix:</b>	SO

Sample ID: SL-180-NBZ-SS-0.0-0.5      Collected: 4/13/2012 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
1,2,3,6,7,8-HXCDF	0.200	J	0.0351	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.318	JB	0.0494	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.137	J	0.0361	MDL	6.07	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.317	JB	0.0642	MDL	6.07	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.271	JB	0.0332	MDL	6.07	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.784	JB	0.0619	MDL	6.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.300	JB	0.107	MDL	1.21	PQL	ng/Kg	J	Z
OCDF	1.98	JB	0.0261	MDL	12.1	PQL	ng/Kg	J	Z

Sample ID: SL-183-NBZ-SS-0.0-0.5      Collected: 4/13/2012 10:50:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.91	JB	0.0423	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.586	JB	0.0311	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0475	JB	0.0407	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.107	JB	0.0371	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.202	JB	0.0351	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.218	JB	0.0406	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0757	JQ	0.0323	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.171	JB	0.0421	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0457	JBQ	0.0360	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0519	JQ	0.0428	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.248	JB	0.0472	MDL	5.95	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.174	JB	0.0317	MDL	5.95	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.452	JB	0.0453	MDL	5.95	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.161	JB	0.0695	MDL	1.19	PQL	ng/Kg	J	Z
OCDF	1.15	JB	0.0358	MDL	11.9	PQL	ng/Kg	J	Z

Sample ID: SL-189-NBZ-SS-0.0-0.5      Collected: 4/18/2012 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	1.20	JB	0.0342	MDL	5.72	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

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

Collected: 4/18/2012 11:20:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.268	JB	0.0148	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0588	JB	0.0265	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0371	JB	0.0299	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.124	JB	0.0213	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.245	JB	0.0313	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0740	J	0.0192	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.337	JB	0.0313	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.160	JB	0.0244	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0741	J	0.0229	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.169	JB	0.0249	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0978	JB	0.0186	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.198	JB	0.0247	MDL	5.72	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0312	J	0.0253	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0958	JB	0.0358	MDL	1.14	PQL	ng/Kg	U	B
OCDD	7.11	JB	0.0259	MDL	11.4	PQL	ng/Kg	J	Z
OCDF	0.593	JB	0.0268	MDL	11.4	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

## Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
B	Method Blank Contamination
Z	Reporting Limit Trace Value

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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## **Enclosure I**

### **Level III ADR Outliers (including Manual Review Outliers)**

# Quality Control Outlier Reports

DX170

# Method Blank Outlier Report

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1200B371313	5/2/2012 1:13:00 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 1,2,3,7,8,9-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-TCDF OCDD OCDF	0.248 ng/Kg 0.0602 ng/Kg 0.0289 ng/Kg 0.0273 ng/Kg 0.0435 ng/Kg 0.0588 ng/Kg 0.0425 ng/Kg 0.0552 ng/Kg 0.0232 ng/Kg 0.0333 ng/Kg 0.0647 ng/Kg 0.0264 ng/Kg 0.520 ng/Kg 0.108 ng/Kg	SL-008-NBZ-SB-4.0-5.0 SL-012-NBZ-SB-0.5-1.5 SL-012-NBZ-SS-0.0-0.5 SL-081-NBZ-SS-0.0-0.5 SL-082-NBZ-SB-2.5-3.5 SL-082-NBZ-SS-0.0-0.5 SL-083-NBZ-SB-0.0-0.5 SL-086-NBZ-SS-0.0-0.5 SL-087-NBZ-SS-0.0-0.5 SL-090-NBZ-SS-0.0-0.5 SL-146-NBZ-SS-0.0-0.5 SL-147-NBZ-SS-0.0-0.5 SL-158-NBZ-SS-0.0-0.5 SL-160-NBZ-SS-0.0-0.5 SL-172-NBZ-SS-0.0-0.5 SL-180-NBZ-SS-0.0-0.5 SL-183-NBZ-SS-0.0-0.5 SL-189-NBZ-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-008-NBZ-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.345 ng/Kg	0.345U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0620 ng/Kg	0.0620U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0376 ng/Kg	0.0376U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0285 ng/Kg	0.0285U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	1,2,3,6,7,8-HxCDD	0.0255 ng/Kg	0.0255U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDD	0.0360 ng/Kg	0.0360U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8,9-HxCDF	0.0499 ng/Kg	0.0499U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0433 ng/Kg	0.0433U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	2,3,4,6,7,8-HxCDF	0.0198 ng/Kg	0.0198U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0383 ng/Kg	0.0383U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0261 ng/Kg	0.0261U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	OCDD	0.827 ng/Kg	0.827U ng/Kg
SL-008-NBZ-SB-4.0-5.0(RES)	OCDF	0.124 ng/Kg	0.124U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	1,2,3,4,6,7,8-HPCDD	0.524 ng/Kg	0.524U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	1,2,3,4,6,7,8-HPCDF	0.104 ng/Kg	0.104U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0334 ng/Kg	0.0334U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	1,2,3,4,7,8-HxCDD	0.0599 ng/Kg	0.0599U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	1,2,3,4,7,8-HxCDF	0.0668 ng/Kg	0.0668U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	1,2,3,6,7,8-HxCDD	0.0847 ng/Kg	0.0847U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	1,2,3,7,8,9-HxCDD	0.149 ng/Kg	0.149U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	1,2,3,7,8,9-HxCDF	0.0882 ng/Kg	0.0882U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	1,2,3,7,8-PECDF	0.0845 ng/Kg	0.0845U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	2,3,4,6,7,8-HxCDF	0.0463 ng/Kg	0.0463U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	2,3,4,7,8-PECDF	0.0638 ng/Kg	0.0638U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method: 1613B**  
**Matrix: SO**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The 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-NBZ-SB-0.5-1.5(RES)	2,3,7,8-TCDF	0.0665 ng/Kg	0.0665U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	OCDD	2.17 ng/Kg	2.17U ng/Kg
SL-012-NBZ-SB-0.5-1.5(RES)	OCDF	0.178 ng/Kg	0.178U ng/Kg
SL-012-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0859 ng/Kg	0.0859U ng/Kg
SL-012-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.108 ng/Kg	0.108U ng/Kg
SL-012-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.126 ng/Kg	0.126U ng/Kg
SL-012-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.284 ng/Kg	0.284U ng/Kg
SL-081-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.113 ng/Kg	0.113U ng/Kg
SL-081-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.105 ng/Kg	0.105U ng/Kg
SL-082-NBZ-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDD	1.20 ng/Kg	1.20U ng/Kg
SL-082-NBZ-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.208 ng/Kg	0.208U ng/Kg
SL-082-NBZ-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0398 ng/Kg	0.0398U ng/Kg
SL-082-NBZ-SB-2.5-3.5(RES)	1,2,3,4,7,8-HxCDD	0.0324 ng/Kg	0.0324U ng/Kg
SL-082-NBZ-SB-2.5-3.5(RES)	1,2,3,6,7,8-HxCDD	0.0729 ng/Kg	0.0729U ng/Kg
SL-082-NBZ-SB-2.5-3.5(RES)	1,2,3,7,8,9-HxCDD	0.110 ng/Kg	0.110U ng/Kg
SL-082-NBZ-SB-2.5-3.5(RES)	1,2,3,7,8,9-HxCDF	0.0394 ng/Kg	0.0394U ng/Kg
SL-082-NBZ-SB-2.5-3.5(RES)	2,3,4,7,8-PECDF	0.102 ng/Kg	0.102U ng/Kg
SL-082-NBZ-SB-2.5-3.5(RES)	OCDF	0.277 ng/Kg	0.277U ng/Kg
SL-083-NBZ-SB-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0986 ng/Kg	0.0986U ng/Kg
SL-083-NBZ-SB-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.188 ng/Kg	0.188U ng/Kg
SL-086-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.151 ng/Kg	0.151U ng/Kg
SL-087-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0767 ng/Kg	0.0767U ng/Kg
SL-090-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.128 ng/Kg	0.128U ng/Kg
SL-146-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0922 ng/Kg	0.0922U ng/Kg
SL-146-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.107 ng/Kg	0.107U ng/Kg
SL-146-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDD	0.252 ng/Kg	0.252U ng/Kg
SL-146-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0627 ng/Kg	0.0627U ng/Kg
SL-147-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0637 ng/Kg	0.0637U ng/Kg
SL-147-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0918 ng/Kg	0.0918U ng/Kg
SL-147-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.173 ng/Kg	0.173U ng/Kg
SL-147-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDD	0.206 ng/Kg	0.206U ng/Kg
SL-147-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDD	0.190 ng/Kg	0.190U ng/Kg
SL-147-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0793 ng/Kg	0.0793U ng/Kg
SL-147-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HxCDF	0.130 ng/Kg	0.130U ng/Kg
SL-147-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.323 ng/Kg	0.323U ng/Kg
SL-158-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0452 ng/Kg	0.0452U ng/Kg
SL-158-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0446 ng/Kg	0.0446U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Method Blank Outlier Report

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method: 1613B**  
**Matrix: SO**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The following samples and their listed target analytes were qualified due to contamination reported in this blank*

Sample ID	Analyte	Reported Result	Modified Final Result
SL-158-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.112 ng/Kg	0.112U ng/Kg
SL-158-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.212 ng/Kg	0.212U ng/Kg
SL-158-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0463 ng/Kg	0.0463U ng/Kg
SL-158-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0664 ng/Kg	0.0664U ng/Kg
SL-158-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.196 ng/Kg	0.196U ng/Kg
SL-158-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0706 ng/Kg	0.0706U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0638 ng/Kg	0.0638U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0804 ng/Kg	0.0804U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.246 ng/Kg	0.246U ng/Kg
SL-160-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0436 ng/Kg	0.0436U ng/Kg
SL-172-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0942 ng/Kg	0.0942U ng/Kg
SL-172-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0964 ng/Kg	0.0964U ng/Kg
SL-172-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.171 ng/Kg	0.171U ng/Kg
SL-172-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.212 ng/Kg	0.212U ng/Kg
SL-172-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.166 ng/Kg	0.166U ng/Kg
SL-172-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.145 ng/Kg	0.145U ng/Kg
SL-180-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0878 ng/Kg	0.0878U ng/Kg
SL-183-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0475 ng/Kg	0.0475U ng/Kg
SL-183-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.107 ng/Kg	0.107U ng/Kg
SL-183-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.202 ng/Kg	0.202U ng/Kg
SL-183-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.218 ng/Kg	0.218U ng/Kg
SL-183-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.171 ng/Kg	0.171U ng/Kg
SL-183-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0457 ng/Kg	0.0457U ng/Kg
SL-189-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	1.20 ng/Kg	1.20U ng/Kg
SL-189-NBZ-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.268 ng/Kg	0.268U ng/Kg
SL-189-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0588 ng/Kg	0.0588U ng/Kg
SL-189-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0371 ng/Kg	0.0371U ng/Kg
SL-189-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.124 ng/Kg	0.124U ng/Kg
SL-189-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.245 ng/Kg	0.245U ng/Kg
SL-189-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.160 ng/Kg	0.160U ng/Kg
SL-189-NBZ-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0978 ng/Kg	0.0978U ng/Kg
SL-189-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.198 ng/Kg	0.198U ng/Kg
SL-189-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0958 ng/Kg	0.0958U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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# Reporting Limit Outliers

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-008-NBZ-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.345	5.17	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0620	5.17	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0376	5.17	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0285	5.17	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.0298	5.17	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.0255	5.17	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.0360	5.17	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0499	5.17	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0308	5.17	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0433	5.17	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0198	5.17	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0383	5.17	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0293	1.03	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0261	1.03	PQL	ng/Kg	
	OCDD	JB	0.827	10.3	PQL	ng/Kg	
OCDF	JB	0.124	10.3	PQL	ng/Kg		
SL-012-NBZ-SB-0.5-1.5	1,2,3,4,6,7,8-HPCDD	JB	0.524	5.91	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.104	5.91	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0334	5.91	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0599	5.91	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.0668	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0847	5.91	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	0.0629	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.149	5.91	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0882	5.91	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0604	5.91	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0845	5.91	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0463	5.91	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0638	5.91	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0665	1.18	PQL	ng/Kg	
	OCDD	JB	2.17	11.8	PQL	ng/Kg	
OCDF	JB	0.178	11.8	PQL	ng/Kg		
SL-012-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.52	5.88	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.593	5.88	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0859	5.88	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.108	5.88	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.230	5.88	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.477	5.88	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	0.167	5.88	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.592	5.88	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.126	5.88	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.187	5.88	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.262	5.88	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.201	5.88	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.284	5.88	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.249	1.18	PQL	ng/Kg	
	OCDF	JB	1.19	11.8	PQL	ng/Kg	

## Reporting Limit Outliers

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-081-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.66	5.83	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.04	5.83	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.113	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.194	5.83	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.378	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.355	5.83	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	0.222	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.305	5.83	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.105	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.173	5.83	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.486	5.83	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.260	5.83	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.802	5.83	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.325	1.17	PQL	ng/Kg	
OCDF	JB	1.76	11.7	PQL	ng/Kg		
SL-082-NBZ-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	1.20	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.208	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0398	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0324	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.236	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.0729	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	0.0579	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.110	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0394	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0486	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.63	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.102	5.69	PQL	ng/Kg	
	OCDD	JB	9.90	11.4	PQL	ng/Kg	
	OCDF	JB	0.277	11.4	PQL	ng/Kg	
SL-082-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.29	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.446	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.361	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	2.79	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.756	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	0.571	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.672	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.351	5.75	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.315	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.505	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.842	5.75	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.950	1.15	PQL	ng/Kg	
	OCDF	JB	3.28	11.5	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-083-NBZ-SB-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	0.811	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.156	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0986	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.50	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.313	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	J	0.146	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.243	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.188	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0388	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.196	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.416	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0337	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.417	1.13	PQL	ng/Kg	
	OCDF	JB	1.27	11.3	PQL	ng/Kg	
SL-086-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.83	6.04	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.244	6.04	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.252	6.04	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.04	6.04	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.617	6.04	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	J	0.295	6.04	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.485	6.04	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.151	6.04	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.188	6.04	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	3.30	6.04	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.305	6.04	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.684	6.04	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0744	1.21	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.573	1.21	PQL	ng/Kg	
OCDF	JB	3.87	12.1	PQL	ng/Kg		
SL-087-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.11	6.97	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.162	6.97	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.183	6.97	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.436	6.97	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.562	6.97	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JQ	0.183	6.97	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.498	6.97	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0767	6.97	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.236	6.97	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.01	6.97	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.217	6.97	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.458	6.97	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.398	1.39	PQL	ng/Kg	
	OCDF	JB	2.32	13.9	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-090-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.21	5.87	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.396	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.407	5.87	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.450	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	1.28	5.87	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	J	0.293	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.789	5.87	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.128	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.271	5.87	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.483	5.87	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.380	5.87	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.647	5.87	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0352	1.17	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.269	1.17	PQL	ng/Kg	
	OCDF	JB	7.08	11.7	PQL	ng/Kg	
SL-146-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.61	5.66	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.03	5.66	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0922	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.107	5.66	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.248	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.252	5.66	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	J	0.176	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.242	5.66	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0627	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.108	5.66	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.292	5.66	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.231	5.66	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.571	5.66	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0440	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.284	1.13	PQL	ng/Kg	
OCDF	JB	1.88	11.3	PQL	ng/Kg		
SL-147-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.21	5.76	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.480	5.76	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0637	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0918	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.173	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.206	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	J	0.0950	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.190	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0793	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0655	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.357	5.76	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.130	5.76	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.323	5.76	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0413	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.158	1.15	PQL	ng/Kg	
OCDF	JB	0.865	11.5	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-158-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.65	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.305	5.68	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0452	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0446	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.112	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.212	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	0.112	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.402	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0463	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0519	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.118	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0664	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.196	5.68	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0457	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0706	1.14	PQL	ng/Kg	
	OCDF	JB	0.633	11.4	PQL	ng/Kg	
SL-160-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.97	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.492	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0638	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0804	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.238	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.246	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	0.159	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.247	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0436	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.108	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.253	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.225	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.605	5.61	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.208	1.12	PQL	ng/Kg	
OCDD	JB	10.7	11.2	PQL	ng/Kg		
OCDF	JB	0.826	11.2	PQL	ng/Kg		
SL-172-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.36	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.651	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0942	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0964	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.171	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.212	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	0.112	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.166	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.101	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.203	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.145	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.462	5.64	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.149	1.13	PQL	ng/Kg	
OCDF	JB	1.21	11.3	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX170

Laboratory: LL

EDD Filename: DX170\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-180-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	5.42	6.07	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.03	6.07	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0878	6.07	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.152	6.07	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.296	6.07	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.352	6.07	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	0.200	6.07	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.318	6.07	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.137	6.07	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.317	6.07	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.271	6.07	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.784	6.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.300	1.21	PQL	ng/Kg	
	OCDF	JB	1.98	12.1	PQL	ng/Kg	
SL-183-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.91	5.95	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.586	5.95	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0475	5.95	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.107	5.95	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.202	5.95	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.218	5.95	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JQ	0.0757	5.95	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.171	5.95	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0457	5.95	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0519	5.95	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.248	5.95	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.174	5.95	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.452	5.95	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.161	1.19	PQL	ng/Kg	
OCDF	JB	1.15	11.9	PQL	ng/Kg		
SL-189-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.20	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.268	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0588	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0371	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.124	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.245	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	J	0.0740	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.337	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.160	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0741	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.169	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.0978	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.198	5.72	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0312	1.14	PQL	ng/Kg	
2,3,7,8-TCDF	JB	0.0958	1.14	PQL	ng/Kg		
OCDD	JB	7.11	11.4	PQL	ng/Kg		
OCDF	JB	0.593	11.4	PQL	ng/Kg		

## **Enclosure II**

### **Level IV Validation Reports**

**Laboratory Data Consultants, Inc.  
Data Validation Report**

**Project/Site Name:** Santa Susana Field Laboratory  
**Collection Date:** April 18 through April 19, 2012  
**LDC Report Date:** February 26, 2013  
**Matrix:** Soil  
**Parameters:** Dioxins/Dibenzofurans  
**Validation Level:** Level IV  
**Laboratory:** Eurofins Lancaster Laboratories  
**Sample Delivery Group (SDG):** DX170

**Sample Identification**

SL-189-NBZ-SS-0.0-0.5  
SL-012-NBZ-SS-0.0-0.5  
SL-086-NBZ-SS-0.0-0.5  
SL-087-NBZ-SS-0.0-0.5

## Introduction

This data review covers 4 soil 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.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.
- None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

## **I. Technical Holding Times**

All technical holding time requirements were met.

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

## **II. HRGC/HRMS Instrument Performance Check**

Instrument performance was checked at the required daily frequency.

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

PFK and static resolving power were within validation criteria.

## **III. Initial Calibration**

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

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

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

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

## **IV. Continuing Calibration**

Continuing calibration was performed at the required frequencies.

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

The percent differences (%D) of the second source calibration standard 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
BLK120001	4/29/12	2,3,7,8-TCDF 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 1,2,3,4,7,8-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	0.0264 ng/Kg 0.0232 ng/Kg 0.0647 ng/Kg 0.0435 ng/Kg 0.0333 ng/Kg 0.0273 ng/Kg 0.0588 ng/Kg 0.0425 ng/Kg 0.0552 ng/Kg 0.0602 ng/Kg 0.248 ng/Kg 0.0289 ng/Kg 0.520 ng/Kg 0.108 ng/Kg	All samples in SDG DX170

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
SL-189-NBZ-SS-0.0-0.5	2,3,7,8-TCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-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	0.0958 ng/Kg 0.198 ng/Kg 0.124 ng/Kg 0.0978 ng/Kg 0.0371 ng/Kg 0.0245 ng/Kg 0.160 ng/Kg 0.268 ng/Kg 1.20 ng/Kg 0.0588 ng/Kg	0.0958U ng/Kg 0.198U ng/Kg 0.124U ng/Kg 0.0978U ng/Kg 0.0371U ng/Kg 0.0245U ng/Kg 0.160U ng/Kg 0.268U ng/Kg 1.20U ng/Kg 0.0588U ng/Kg
SL-012-NBZ-SS-0.0-0.5	2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.284 ng/Kg 0.108 ng/Kg 0.126 ng/Kg 0.0859 ng/Kg	0.284U ng/Kg 0.108U ng/Kg 0.126U ng/Kg 0.0859U ng/Kg
SL-086-NBZ-SS-0.0-0.5	1,2,3,7,8,9-HxCDF	0.151 ng/Kg	0.151U ng/Kg
SL-087-NBZ-SS-0.0-0.5	1,2,3,7,8,9-HxCDF	0.0767 ng/Kg	0.0767U ng/Kg

Sample EB-NBZ-SS-041712 (from SDG DX169) was identified as an equipment rinsate. No polychlorinated dioxin/dibenzofuran contaminants were found with the following exceptions:

Blank ID	Sampling Date	Compound	Concentration	Associated Samples
EB-NBZ-SS-041712	4/17/12	1,2,3,7,8-PeCDD	0.312 pg/L	All samples in SDG DX170
		1,2,3,4,7,8-HxCDD	0.251 pg/L	
		1,2,3,6,7,8-HxCDD	0.552 pg/L	
		1,2,3,7,8,9-HxCDD	0.334 pg/L	
		1,2,3,4,6,7,8-HpCDD	3.59 pg/L	
		OCDD	8.53 pg/L	
		1,2,3,7,8-PeCDF	0.365 pg/L	
		2,3,4,7,8-PeCDF	0.467 pg/L	
		1,2,3,4,7,8-HxCDF	0.262 pg/L	
		1,2,3,6,7,8-HxCDF	0.180 pg/L	
		1,2,3,7,8,9-HxCDF	0.427 pg/L	
		2,3,4,6,7,8-HxCDF	0.495 pg/L	
		1,2,3,4,6,7,8-HpCDF	0.754 pg/L	
		1,2,3,4,7,8,9-HpCDF	0.476 pg/L	
		OCDF	1.19 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

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. Ongoing Precision Recovery (OPR)

Ongoing precision recovery samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

#### VIII. Regional Quality Assurance and Quality Control

Not applicable.

#### IX. Internal Standards

All internal standard recoveries were within QC limits.

#### X. Target Compound Identifications

All target compound identifications were within validation criteria.

#### XI. Compound Quantitation and RLs

All compound quantitation and RLs were within validation criteria.

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG DX170	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 DX170**

SDG	Sample	Compound	Flag	A or P	Reason (Code)
DX170	SL-189-NBZ-SS-0.0-0.5 SL-012-NBZ-SS-0.0-0.5 SL-086-NBZ-SS-0.0-0.5 SL-087-NBZ-SS-0.0-0.5	All compounds reported below the RL.	J (all detects)	A	Compound quantitation and RLs (Z)

**Santa Susana Field Laboratory  
Dioxins/Dibenzofurans - Laboratory Blank Data Qualification Summary - SDG DX170**

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX170	SL-189-NBZ-SS-0.0-0.5	2,3,7,8-TCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-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	0.0958U ng/Kg 0.198U ng/Kg 0.124U ng/Kg 0.0978U ng/Kg 0.0371U ng/Kg 0.0245U ng/Kg 0.160U ng/Kg 0.268U ng/Kg 1.20U ng/Kg 0.0588U ng/Kg	A	B
DX170	SL-012-NBZ-SS-0.0-0.5	2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.284U ng/Kg 0.108U ng/Kg 0.126U ng/Kg 0.0859U ng/Kg	A	B
DX170	SL-086-NBZ-SS-0.0-0.5	1,2,3,7,8,9-HxCDF	0.151U ng/Kg	A	B
DX170	SL-087-NBZ-SS-0.0-0.5	1,2,3,7,8,9-HxCDF	0.0767U ng/Kg	A	B

**Santa Susana Field Laboratory  
Dioxins/Dibenzofurans - Field Blank Data Qualification Summary - SDG DX170**

No Sample Data Qualified in this SDG

LDC #: 29239G21

**VALIDATION COMPLETENESS WORKSHEET**

Date: 2/22/13

SDG #: DPX170

Level IV

Page: 1 of 1

Laboratory: Eurofins Lancaster Laboratories

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: 4/18 - 4/19/12
II.	HRGC/HRMS Instrument performance check	A	
III.	Initial calibration	A	% RSD ≤ 20/35
IV.	Continuing Calibration	A	ac limit
V.	Blanks	SW	
VI.	Matrix spike/Matrix spike duplicates	N	client specified
VII.	Laboratory control samples	A	OPR
VIII.	Regional quality assurance and quality control	N	
IX.	Internal standards	A	
X.	Target compound identifications	Δ	
XI.	Compound quantitation/RL/LOQ/LODs	A	
XII.	System performance	Δ	
XIII.	Overall assessment of data	Δ	
XIV.	Field duplicates	N	
XV.	Field blanks	N	EB = EB-NBZ-SS-041712 (SDG DX169)

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:  
 50/L

1	SL-189-NBZ-SS-0.0-0.5	11	BLK120001	21		31	
2	SL-012-NBZ-SS-0.0-0.5	12		22		32	
3	SL-086-NBZ-SS-0.0-0.5	13		23		33	
4	SL-087-NBZ-SS-0.0-0.5	14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

Validation Area	Yes	No	NA	Findings/Comments
<b>I. Technical holding times</b>				
All technical holding times were met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cooler temperature criteria was met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>II. GC/MS Instrument performance check</b>				
Was PFK exact mass 380.9760 verified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the retention time windows established for all homologues?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was the chromatographic resolution between 2,3,7,8-TCDD and peaks representing any other unlabeled TCDD isomers $\leq 25\%$ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the static resolving power at least 10,000 (10% valley definition)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was the mass resolution adequately check with PFK?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was the presence of 1,2,8,9-TCDD and 1,3,4,6,8-PeCDF verified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>III. Initial calibration</b>				
Was the initial calibration performed at 5 concentration levels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all percent relative standard deviations (%RSD) $\leq 20\%$ for unlabeled compounds and $\leq 35\%$ for labeled compounds ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did all calibration standards meet the Ion Abundance Ratio criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was the signal to noise ratio for each target compound $\geq 2.5$ and for each recovery and internal standard $> 10$ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>IV. Continuing calibration</b>				
Was a routine calibration performed at the beginning and end of each 12 hour period?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all the concentrations for the unlabeled compounds and labeled compounds within the QC limits (Method 1613B, Table 6)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did all routine calibration standards meet the Ion Abundance Ratio criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>V. Blanks</b>				
Was a method blank associated with every sample in this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was a method blank performed for each matrix and concentration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>VI. Matrix spike/Matrix spike duplicates</b>				
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.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>VII. Laboratory control samples</b>				
Was an LCS analyzed for this SDG?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was an LCS analyzed per extraction batch?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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

**Blanks**

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

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

Y  N  N/A

Were all samples associated with a method blank?

Y  N  N/A

Was a method blank performed for each matrix and whenever a sample extraction was performed?

Y  N  N/A

Was the method blank contaminated?

Blank extraction date: 4/29/12

Associated samples: A11 (B)

Blank analysis date: 5/2/12

Conc. units: ng/kg

Compound	Blank ID	Sample Identification			
		1	2	3	4
	BK120001	5X			
H	0.0264	0.132			
<del>A</del>					
I	0.0232*	0.116			
J	0.0647*	0.3235	0.2844		
<del>B</del>					
K	0.0435	0.2175	0.1244		
<del>L</del>					
M	0.0333	0.1665	0.09784		
C	0.0273	0.1365	0.03714	0.1084	
D	0.0588	0.294	0.2454		
E	0.0425	0.2125			
N	0.0552	0.276	0.1604	0.1514	0.07674
<del>O</del>	0.0602	0.307	0.2684		
F	0.248	1.24	1.204		
P	0.0289*	0.1045	0.05884	0.08594	
G	0.520	3.72	2.6		
<del>Q</del>	0.108	0.54			

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

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

LDC #: 29239G2/

# VALIDATION FINDINGS WORKSHEET

## Field Blanks

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

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

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

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

Sampling date: 4/17/12

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

Compound	Blank ID								
	EB-NRZ-SS-041712								
B	0.312*								
C	0.251								
D	0.552								
E	0.334*								
F	3.59								
G	8.53								
I	0.365								
J	0.467								
K	0.262*								
L	0.180*								
N	0.427								
M	0.495								
O	0.754								
P	0.476								
Q	1.19*								

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".

**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:

$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$   
 average RRF = sum of the RRFs / number of standards  
 $\%RSD = 100 * (S / X)$   
 $A_x$  = Area of compound,  $A_{is}$  = Area of associated internal standard  
 $C_x$  = Concentration of compound,  $C_{is}$  = Concentration of internal standard  
 $S$  = Standard deviation of the RRFs,  $X$  = Mean of the RRFs

- 08

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported		Recalculated		Reported		Recalculated	
				Average RRF (initial)	Average RRF (initial)	Average RRF (initial)	RRF (CS3 std)	RRF (CS3 std)	RRF (CS3 std)	%RSD	%RSD
1	109L	4/20/12	2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)	0.965	0.965	0.955	0.915	0.965	3.06	3.06	3.06
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)	1.053	1.053	1.072	1.072	4.0	4.0	4.0	
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)	0.918	0.918	0.926	0.926	2.62	2.62	2.62	
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)	1.011	1.011	1.010	1.010	3.08	3.08	3.08	
			OCDF ( <sup>13</sup> C-OCDF)	0.949	0.949	0.975	0.975	3.62	3.62	3.62	
2			2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)								
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)								
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)								
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)								
3			2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)								
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)								
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)								
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)								

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 #: 2723962/

**VALIDATION FINDINGS WORKSHEET**  
**Routine Calibration Results Verification**

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

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:

% Difference =  $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$       Where:      ave. RRF = initial calibration average RRF  
 RRF =  $(A_s)(C_{is}) / (A_{is})(C_s)$       RRF = continuing calibration RRF  
 $A_s$  = Area of compound,       $A_{is}$  = Area of associated internal standard  
 $C_s$  = Concentration of compound,       $C_{is}$  = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Reported		Recalculated		Reported	Recalculated
					RRF (CC)	RRF (CC)	RRF (CC)	%R		
1	cen 10:23	5/2/12	2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)	10.0	9.320	9.32	93	93	%R	93
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)	10.0	9.300	9.30	93	93	%R	93
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)	50.0	50.180	50.18	100	100	%R	100
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)	50.0	48.320	48.32	97	97	%R	97
			OCDF ( <sup>13</sup> C-OCDF)	100.00	99.140	99.14	99	99	%R	99
2	cen 22:52	5/2/12	2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)		9.410	9.410	94	94	%R	94
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)		9.480	9.480	95	95	%R	95
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)		48.800	48.800	98	98	%R	98
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)		50.120	50.120	100	100	%R	100
			OCDF ( <sup>13</sup> C-OCDF)		100.880	100.88	101	101	%R	101
3	cen 11:50	5/3/12	2,3,7,8-TCDF ( <sup>13</sup> C-2,3,7,8-TCDF)		9.470	9.47	95	95	%R	95
			2,3,7,8-TCDD ( <sup>13</sup> C-2,3,7,8-TCDD)		9.640	9.64	96	96	%R	96
			1,2,3,6,7,8-HxCDD ( <sup>13</sup> C-1,2,3,6,7,8-HxCDD)		51.510	51.51	103	103	%R	103
			1,2,3,4,6,7,8-HpCDD ( <sup>13</sup> C-1,2,4,6,7,8-HpCDD)		50.130	50.13	100	100	%R	100
			OCDF ( <sup>13</sup> C-OCDF)		101.140	101.14	101	101	%R	101

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**  
**Laboratory Control Sample Results Verification**

**METHOD:** GC/MS Dioxins/Dibenzofurans (EPA SW 846 Method 1613B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery =  $100 * SSC/SA$  Where: SSC = Spiked sample concentration  
 SA = Spike added

RPD =  $100 * (LCS - LCSD) / (LCS + LCSD)$

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS ID: OPR

Compound	Spike Added (ng/kg)		Spiked Sample Concentration (ng/kg)		LCS		LCSD		Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
2,3,7,8-TCDD	20.0	NA	18.6	NA	93	93	93	93						
1,2,3,7,8-PeCDD	100	/	94.4	/	94	94	94	94						
1,2,3,4,7,8-HxCDD	100	/	89.6	/	90	90	90	90						
1,2,3,4,7,8,9-HpCDF	100	/	92.6	/	93	93	93	93						
OCDF	200	/	186	/	93	93	93	93	NA	NA				

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.

## VALIDATION FINDINGS WORKSHEET

### Sample Calculation Verification

**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, 2, 3, 7, 8 TCDF

$$\text{Conc.} = \frac{(230 + 183)(2000)}{(572223 + 451799)(0.905)(10.1)(0.869)}$$

= 0.0952 ng/kg

#	Sample ID	Compound	Reported Concentration ( )	Calculated Concentration ( )	Qualification

# **SAMPLE DELIVERY GROUP**

**DX171**



# **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
19-Apr-2012	SL-184-NBZ-SS-0.0-0.5	6624312	N	METHOD	1613B	III
19-Apr-2012	SL-017-NBZ-SS-0.0-0.5	6625149	N	METHOD	1613B	III
19-Apr-2012	SL-179-NBZ-SS-0.0-0.5	6624311	N	METHOD	1613B	III
19-Apr-2012	SL-193-NBZ-SS-0.0-0.5	6624313	N	METHOD	1613B	III
19-Apr-2012	SL-193-NBZ-SS-0.0-0.5 MS	6624314	MS	METHOD	1613B	III
19-Apr-2012	SL-193-NBZ-SS-0.0-0.5 MSD	6624315	MSD	METHOD	1613B	III
19-Apr-2012	DUP-08-NBZ-QC-041912	6624316	FD	METHOD	1613B	III
19-Apr-2012	SL-178-NBZ-SS-0.0-0.5	6625151	N	METHOD	1613B	III
19-Apr-2012	SL-150-NBZ-SS-0.0-0.5	6625150	N	METHOD	1613B	III
20-Apr-2012	SL-080-NBZ-SS-0.0-0.5	6625154	N	METHOD	1613B	III
20-Apr-2012	SL-202-NBZ-SS-0.0-0.5	6625158	N	METHOD	1613B	III
20-Apr-2012	SL-170-NBZ-SS-0.0-0.5	6625156	N	METHOD	1613B	III
20-Apr-2012	SL-018-NBZ-SS-0.0-0.5	6625153	N	METHOD	1613B	III
20-Apr-2012	SL-089-NBZ-SS-0.0-0.5	6625155	N	METHOD	1613B	III
20-Apr-2012	SL-016-NBZ-SS-0.0-0.5	6625152	N	METHOD	1613B	III
20-Apr-2012	SL-171-NBZ-SS-0.0-0.5	6625157	N	METHOD	1613B	III
23-Apr-2012	SL-199-NBZ-SS-0.0-0.5	6626912	N	METHOD	1613B	III
23-Apr-2012	SL-200-NBZ-SS-0.0-0.5	6626913	N	METHOD	1613B	III
23-Apr-2012	SL-201-NBZ-SS-0.0-0.5	6626914	N	METHOD	1613B	III
23-Apr-2012	EB-NBZ-SS-042312	6626915	EB	METHOD	1613B	III

## **Attachment II**

### **Overall Data Qualification Summary**

# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> AQ

Sample ID: EB-NBZ-SS-042312

Collected: 4/23/2012 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	3.21	JB	0.233	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.704	JB	0.107	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.244	JB	0.123	MDL	10.3	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.272	JB	0.108	MDL	10.3	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.411	JBQ	0.172	MDL	10.3	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.245	JB	0.106	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.369	JBQ	0.161	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.189	JB	0.109	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.246	JB	0.223	MDL	10.3	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.278	JB	0.151	MDL	10.3	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.248	JBQ	0.0934	MDL	10.3	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.605	JBQ	0.136	MDL	10.3	PQL	pg/L	U	B
OCDD	5.58	JB	0.265	MDL	20.7	PQL	pg/L	U	B
OCDF	0.708	JB	0.187	MDL	20.7	PQL	pg/L	U	B

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: DUP-08-NBZ-QC-041912

Collected: 4/19/2012 11:50:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.86	JB	0.0153	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.441	JB	0.0127	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.115	JB	0.0170	MDL	5.46	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.149	JB	0.0203	MDL	5.46	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.239	JB	0.0140	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.241	JB	0.0201	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.198	JB	0.0134	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.213	JB	0.0201	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.143	JB	0.0164	MDL	5.46	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDD	0.196	JB	0.0227	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.317	JB	0.0202	MDL	5.46	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

3/12/2013 11:37:35 AM

ADR version 1.7.0.207

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# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	<b>Matrix:</b>	SO
<b>Method:</b>	1613B		

Sample ID: DUP-08-NBZ-QC-041912	Collected: 4/19/2012 11:50:00	Analysis Type: RES	Dilution: 1
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Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.168	JB	0.0131	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.761	JB	0.0200	MDL	5.46	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0624	J	0.0163	MDL	1.09	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.139	JB	0.0322	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	0.809	JB	0.0178	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-016-NBZ-SS-0.0-0.5	Collected: 4/20/2012 12:10:00	Analysis Type: RES	Dilution: 1
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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	0.991	JB	0.0368	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.21	JB	0.0319	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.13	JB	0.0263	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	3.68	JB	0.0323	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.625	JB	0.0241	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	1.98	JB	0.0333	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.218	JB	0.0302	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.647	JB	0.0423	MDL	6.19	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.15	JB	0.0362	MDL	6.19	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.872	JB	0.0250	MDL	6.19	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.73	JB	0.0351	MDL	6.19	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0998	JQ	0.0264	MDL	1.24	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.541	JB	0.0588	MDL	1.24	PQL	ng/Kg	J	Z

Sample ID: SL-017-NBZ-SS-0.0-0.5	Collected: 4/19/2012 10:09:00	Analysis Type: RES	Dilution: 1
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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	0.674	JB	0.0605	MDL	6.99	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.13	JB	0.0399	MDL	6.99	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.38	JB	0.0281	MDL	6.99	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.74	JB	0.0396	MDL	6.99	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.751	JB	0.0259	MDL	6.99	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	2.03	JB	0.0396	MDL	6.99	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-017-NBZ-SS-0.0-0.5	Collected: 4/19/2012 10:09:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.211	JB	0.0311	MDL	6.99	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.738	JB	0.0457	MDL	6.99	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.72	JB	0.0509	MDL	6.99	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.848	JB	0.0259	MDL	6.99	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	3.07	JB	0.0477	MDL	6.99	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0647	J	0.0280	MDL	1.40	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.470	JBQ	0.0938	MDL	1.40	PQL	ng/Kg	J	Z

Sample ID: SL-018-NBZ-SS-0.0-0.5	Collected: 4/20/2012 10:59:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.53	JB	0.0275	MDL	6.13	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.283	JB	0.0366	MDL	6.13	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.417	JB	0.0258	MDL	6.13	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.365	JBQ	0.0163	MDL	6.13	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.716	JB	0.0272	MDL	6.13	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.304	JB	0.0152	MDL	6.13	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.732	JB	0.0267	MDL	6.13	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0612	JBQ	0.0173	MDL	6.13	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.419	JB	0.0355	MDL	6.13	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.332	JBQ	0.0338	MDL	6.13	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.314	JB	0.0163	MDL	6.13	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.78	JB	0.0299	MDL	6.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.107	J	0.0272	MDL	1.23	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.364	JB	0.0546	MDL	1.23	PQL	ng/Kg	J	Z
OCDF	4.89	JB	0.0251	MDL	12.3	PQL	ng/Kg	J	Z

Sample ID: SL-080-NBZ-SS-0.0-0.5	Collected: 4/20/2012 9:50:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.82	JB	0.0208	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.160	JBQ	0.0303	MDL	5.55	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

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# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-080-NBZ-SS-0.0-0.5      Collected: 4/20/2012 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-HxCDD	0.124	JB	0.0201	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.362	JB	0.0155	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.354	JB	0.0200	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.194	JB	0.0146	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.364	JB	0.0198	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0427	JBQ	0.0186	MDL	5.55	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.205	JB	0.0291	MDL	5.55	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.323	JB	0.0279	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.236	JB	0.0148	MDL	5.55	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.955	JB	0.0245	MDL	5.55	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0673	J	0.0286	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.151	JB	0.0493	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	3.05	JB	0.0182	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-089-NBZ-SS-0.0-0.5      Collected: 4/20/2012 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-HPCDF	2.64	JB	0.0254	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.217	JB	0.0351	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.389	JB	0.0252	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.647	JB	0.0207	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.965	JB	0.0259	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.408	JB	0.0192	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.741	JB	0.0249	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0496	JB	0.0236	MDL	5.60	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.389	JB	0.0398	MDL	5.60	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.615	JB	0.0395	MDL	5.60	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.440	JB	0.0188	MDL	5.60	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.02	JB	0.0365	MDL	5.60	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0505	JQ	0.0273	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.422	JB	0.0727	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	4.26	JB	0.0248	MDL	11.2	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b> SVOA		
<b>Method:</b> 1613B	<b>Matrix:</b> SO	

Sample ID: SL-150-NBZ-SS-0.0-0.5	Collected: 4/19/2012 3:35:00	Analysis Type: RES	Dilution: 1						
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.08	JB	0.0254	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.228	JB	0.0357	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.290	JB	0.0227	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.444	JB	0.0158	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	2.63	JB	0.0243	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.422	JB	0.0144	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.53	JB	0.0239	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.505	JB	0.0179	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.680	JBQ	0.0283	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.568	JB	0.0235	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.381	JB	0.0151	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.24	JB	0.0211	MDL	5.58	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.238	JB	0.0356	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	4.10	JB	0.0202	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-170-NBZ-SS-0.0-0.5	Collected: 4/20/2012 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	3.01	JB	0.0204	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.801	JB	0.0169	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0735	JB	0.0231	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.105	JBQ	0.0220	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.283	JB	0.0169	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.358	JB	0.0230	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.161	JB	0.0151	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.265	JBQ	0.0222	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.149	JB	0.0173	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.159	JB	0.0262	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.364	JBQ	0.0287	MDL	5.42	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.197	JB	0.0154	MDL	5.42	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.910	JB	0.0271	MDL	5.42	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0458	JQ	0.0157	MDL	1.08	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-170-NBZ-SS-0.0-0.5	Collected: 4/20/2012 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
2,3,7,8-TCDF	0.111	JB	0.0438	MDL	1.08	PQL	ng/Kg	J	Z
OCDF	1.31	JB	0.0212	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-171-NBZ-SS-0.0-0.5	Collected: 4/20/2012 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
1,2,3,4,6,7,8-HPCDF	1.21	JB	0.0193	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.137	JB	0.0276	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.142	JBQ	0.0229	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.261	JB	0.0180	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.542	JB	0.0242	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.204	JB	0.0159	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.420	JB	0.0248	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.101	JBQ	0.0190	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.150	JB	0.0338	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.234	JB	0.0252	MDL	5.47	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.238	JB	0.0166	MDL	5.47	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.463	JB	0.0248	MDL	5.47	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0275	J	0.0194	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.226	JB	0.0389	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	2.26	JB	0.0238	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-178-NBZ-SS-0.0-0.5	Collected: 4/19/2012 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-HPCDD	4.07	JB	0.0212	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.845	JB	0.0143	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.143	JB	0.0199	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.165	JB	0.0193	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.398	JB	0.0151	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.348	JB	0.0202	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.279	JB	0.0142	MDL	5.46	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-178-NBZ-SS-0.0-0.5      Collected: 4/19/2012 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-HXCDD	0.258	JB	0.0199	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.125	JB	0.0175	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.261	JB	0.0272	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.834	JB	0.0269	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.229	JB	0.0142	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.44	JB	0.0262	MDL	5.46	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.103	JQ	0.0179	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.374	JBQ	0.0455	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	1.68	JB	0.0205	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-179-NBZ-SS-0.0-0.5      Collected: 4/19/2012 11:10:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.917	JB	0.0108	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.101	JBQ	0.0159	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.158	JB	0.0217	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.323	JB	0.0155	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.327	JB	0.0211	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.121	JB	0.0141	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.359	JB	0.0211	MDL	5.59	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0749	JB	0.0166	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.193	JB	0.0305	MDL	5.59	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.345	JB	0.0244	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.231	JB	0.0143	MDL	5.59	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.907	JB	0.0238	MDL	5.59	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0374	J	0.0177	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.258	JBQ	0.0407	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	1.48	JB	0.0217	MDL	11.2	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-184-NBZ-SS-0.0-0.5      Collected: 4/19/2012 10:05:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.74	JB	0.0183	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.762	JB	0.0127	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.134	JB	0.0190	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.119	JBQ	0.0219	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.206	JBQ	0.0144	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.268	JB	0.0215	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.134	JB	0.0131	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.242	JB	0.0213	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0567	JBQ	0.0167	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0788	JB	0.0241	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.231	JB	0.0247	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.177	JB	0.0130	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.18	JB	0.0257	MDL	5.63	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0254	J	0.0165	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.149	JB	0.0437	MDL	1.13	PQL	ng/Kg	J	Z
OCDF	1.33	JB	0.0190	MDL	11.3	PQL	ng/Kg	J	Z

Sample ID: SL-193-NBZ-SS-0.0-0.5      Collected: 4/19/2012 11:45:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.44	JB	0.0175	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.444	JB	0.0141	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0341	JBQ	0.0200	MDL	5.53	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0890	JBQ	0.0190	MDL	5.53	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.197	JB	0.0135	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.163	JB	0.0190	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.150	JBQ	0.0125	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.202	JBQ	0.0198	MDL	5.53	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0539	JB	0.0170	MDL	5.53	PQL	ng/Kg	UJ	B, FD
1,2,3,7,8-PECDD	0.139	JB	0.0264	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.298	JB	0.0242	MDL	5.53	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.190	JB	0.0131	MDL	5.53	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-193-NBZ-SS-0.0-0.5      Collected: 4/19/2012 11:45:00      Analysis Type: RES      Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.905	JBQ	0.0230	MDL	5.53	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0297	JQ	0.0190	MDL	1.11	PQL	ng/Kg	J	Z, FD
2,3,7,8-TCDF	0.190	JB	0.0366	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	0.843	JB	0.0179	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-199-NBZ-SS-0.0-0.5      Collected: 4/23/2012 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	1.48	JB	0.0142	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.422	JBQ	0.0112	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0890	JBQ	0.0168	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0782	JBQ	0.0183	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDF	0.283	JB	0.0144	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDD	0.231	JBQ	0.0184	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HxCDF	0.172	JB	0.0128	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	0.311	JB	0.0183	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDF	0.0839	JB	0.0161	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.194	JBQ	0.0248	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.350	JB	0.0229	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HxCDF	0.197	JBQ	0.0132	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.838	JB	0.0228	MDL	5.27	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0617	J	0.0147	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.268	JB	0.0426	MDL	1.05	PQL	ng/Kg	J	Z
OCDD	7.82	JB	0.0211	MDL	10.5	PQL	ng/Kg	J	Z
OCDF	0.778	JB	0.0192	MDL	10.5	PQL	ng/Kg	J	Z

Sample ID: SL-200-NBZ-SS-0.0-0.5      Collected: 4/23/2012 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-HPCDD	1.88	JB	0.0140	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.484	JB	0.0123	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0481	JBQ	0.0161	MDL	5.44	PQL	ng/Kg	U	B

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

Sample ID: SL-200-NBZ-SS-0.0-0.5      Collected: 4/23/2012 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
1,2,3,4,7,8-HxCDD	0.0848	JB	0.0181	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.174	JB	0.0151	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.320	JB	0.0181	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.109	JB	0.0126	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.345	JB	0.0185	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0915	JBQ	0.0140	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.149	JB	0.0250	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.180	JB	0.0205	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.128	JBQ	0.0115	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.458	JB	0.0193	MDL	5.44	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0360	J	0.0168	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.101	JB	0.0257	MDL	1.09	PQL	ng/Kg	U	B
OCDF	0.833	JB	0.0203	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-201-NBZ-SS-0.0-0.5      Collected: 4/23/2012 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	1.10	JB	0.0665	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.69	JB	0.0444	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	3.18	JB	0.0366	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.13	JB	0.0319	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HxCDD	3.00	JB	0.0430	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.722	JB	0.0404	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.849	JB	0.0569	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.14	JB	0.0331	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.14	JB	0.0482	MDL	5.73	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.154	JQ	0.0290	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.382	JB	0.0905	MDL	1.15	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method Category:</b>	SVOA	
<b>Method:</b>	1613B	<b>Matrix:</b> SO

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

Collected: 4/20/2012 10:10:00

Analysis Type: RES

Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.32	JB	0.0179	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.512	JB	0.0159	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0718	JBQ	0.0276	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0842	JBQ	0.0205	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.170	JB	0.0143	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,6,7,8-HxCDD	0.159	JBQ	0.0215	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.116	JB	0.0119	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8,9-HxCDD	0.148	JB	0.0201	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0741	JB	0.0156	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.148	JB	0.0260	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.203	JBQ	0.0188	MDL	5.23	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.133	JB	0.0128	MDL	5.23	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.239	JB	0.0194	MDL	5.23	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0276	J	0.0167	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0516	JB	0.0259	MDL	1.05	PQL	ng/Kg	U	B
OCDF	1.05	JB	0.0239	MDL	10.5	PQL	ng/Kg	J	Z

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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# Data Qualifier Summary

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

## Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
B	Method Blank Contamination
FD	Field Duplicate Precision
Z	Reporting Limit Trace Value

\* denotes a non-reportable result

Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling

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## **Enclosure I**

### **Level III ADR Outliers (including Manual Review Outliers)**

# Quality Control Outlier Reports

DX171

# Method Blank Outlier Report

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1220B371440	5/3/2012 2:40:00 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-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 1,2,3,7,8,9-HxCDD 1,2,3,7,8-PECDD 1,2,3,7,8-PECDF 2,3,4,6,7,8-HxCDF 2,3,4,7,8-PECDF 2,3,7,8-TCDF OCDD OCDF	3.60 pg/L 0.669 pg/L 0.452 pg/L 0.262 pg/L 0.450 pg/L 0.575 pg/L 0.475 pg/L 0.493 pg/L 0.174 pg/L 0.441 pg/L 0.533 pg/L 0.399 pg/L 0.503 pg/L 0.318 pg/L 5.60 pg/L 1.38 pg/L	EB-NBZ-SS-042312

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB-NBZ-SS-042312(RES)	1,2,3,4,6,7,8-HPCDD	3.21 pg/L	3.21U pg/L
EB-NBZ-SS-042312(RES)	1,2,3,4,6,7,8-HPCDF	0.704 pg/L	0.704U pg/L
EB-NBZ-SS-042312(RES)	1,2,3,4,7,8,9-HPCDF	0.244 pg/L	0.244U pg/L
EB-NBZ-SS-042312(RES)	1,2,3,4,7,8-HxCDF	0.272 pg/L	0.272U pg/L
EB-NBZ-SS-042312(RES)	1,2,3,6,7,8-HxCDD	0.411 pg/L	0.411U pg/L
EB-NBZ-SS-042312(RES)	1,2,3,6,7,8-HxCDF	0.245 pg/L	0.245U pg/L
EB-NBZ-SS-042312(RES)	1,2,3,7,8,9-HxCDD	0.369 pg/L	0.369U pg/L
EB-NBZ-SS-042312(RES)	1,2,3,7,8,9-HxCDF	0.189 pg/L	0.189U pg/L
EB-NBZ-SS-042312(RES)	1,2,3,7,8-PECDD	0.246 pg/L	0.246U pg/L
EB-NBZ-SS-042312(RES)	1,2,3,7,8-PECDF	0.278 pg/L	0.278U pg/L
EB-NBZ-SS-042312(RES)	2,3,4,6,7,8-HxCDF	0.248 pg/L	0.248U pg/L
EB-NBZ-SS-042312(RES)	2,3,4,7,8-PECDF	0.605 pg/L	0.605U pg/L
EB-NBZ-SS-042312(RES)	OCDD	5.58 pg/L	5.58U pg/L
EB-NBZ-SS-042312(RES)	OCDF	0.708 pg/L	0.708U pg/L

# Method Blank Outlier Report

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1230B370218	5/4/2012 2:18:00 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	0.267 ng/Kg 0.0583 ng/Kg 0.0274 ng/Kg 0.0143 ng/Kg 0.0364 ng/Kg 0.0262 ng/Kg 0.0261 ng/Kg 0.0368 ng/Kg 0.0187 ng/Kg 0.0390 ng/Kg 0.0408 ng/Kg 0.0255 ng/Kg 0.0666 ng/Kg 0.0207 ng/Kg 0.487 ng/Kg 0.114 ng/Kg	DUP-08-NBZ-QC-041912 SL-016-NBZ-SS-0.0-0.5 SL-017-NBZ-SS-0.0-0.5 SL-018-NBZ-SS-0.0-0.5 SL-080-NBZ-SS-0.0-0.5 SL-089-NBZ-SS-0.0-0.5 SL-150-NBZ-SS-0.0-0.5 SL-170-NBZ-SS-0.0-0.5 SL-171-NBZ-SS-0.0-0.5 SL-178-NBZ-SS-0.0-0.5 SL-179-NBZ-SS-0.0-0.5 SL-184-NBZ-SS-0.0-0.5 SL-193-NBZ-SS-0.0-0.5 SL-199-NBZ-SS-0.0-0.5 SL-200-NBZ-SS-0.0-0.5 SL-201-NBZ-SS-0.0-0.5 SL-202-NBZ-SS-0.0-0.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP-08-NBZ-QC-041912(RES)	1,2,3,4,7,8,9-HPCDF	0.115 ng/Kg	0.115U ng/Kg
SL-018-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0612 ng/Kg	0.0612U ng/Kg
SL-080-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0427 ng/Kg	0.0427U ng/Kg
SL-089-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0496 ng/Kg	0.0496U ng/Kg
SL-170-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0735 ng/Kg	0.0735U ng/Kg
SL-170-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.159 ng/Kg	0.159U ng/Kg
SL-171-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.137 ng/Kg	0.137U ng/Kg
SL-171-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.150 ng/Kg	0.150U ng/Kg
SL-179-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.101 ng/Kg	0.101U ng/Kg
SL-179-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.121 ng/Kg	0.121U ng/Kg
SL-179-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0749 ng/Kg	0.0749U ng/Kg
SL-179-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.193 ng/Kg	0.193U ng/Kg
SL-184-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.134 ng/Kg	0.134U ng/Kg
SL-184-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0567 ng/Kg	0.0567U ng/Kg
SL-184-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0788 ng/Kg	0.0788U ng/Kg
SL-193-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0341 ng/Kg	0.0341U ng/Kg
SL-193-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0539 ng/Kg	0.0539U ng/Kg
SL-193-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.139 ng/Kg	0.139U ng/Kg
SL-199-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0890 ng/Kg	0.0890U ng/Kg
SL-199-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0839 ng/Kg	0.0839U ng/Kg
SL-199-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.194 ng/Kg	0.194U ng/Kg
SL-200-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0481 ng/Kg	0.0481U ng/Kg
SL-200-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDF	0.174 ng/Kg	0.174U ng/Kg
SL-200-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HxCDF	0.109 ng/Kg	0.109U ng/Kg
SL-200-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HxCDF	0.0915 ng/Kg	0.0915U ng/Kg
SL-200-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.149 ng/Kg	0.149U ng/Kg

**Project Name and Number: 1203-004-009-AL - SSFL Area IV Collocated Soil Sampling**

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## Method Blank Outlier Report

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

<b>Method:</b>	<b>1613B</b>
<b>Matrix:</b>	<b>SO</b>

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
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*The following samples and their listed target analytes were qualified due to contamination reported in this blank*

Sample ID	Analyte	Reported Result	Modified Final Result
SL-200-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.180 ng/Kg	0.180U ng/Kg
SL-200-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.101 ng/Kg	0.101U ng/Kg
SL-202-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0718 ng/Kg	0.0718U ng/Kg
SL-202-NBZ-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.170 ng/Kg	0.170U ng/Kg
SL-202-NBZ-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.116 ng/Kg	0.116U ng/Kg
SL-202-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.148 ng/Kg	0.148U ng/Kg
SL-202-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0741 ng/Kg	0.0741U ng/Kg
SL-202-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.148 ng/Kg	0.148U ng/Kg
SL-202-NBZ-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.203 ng/Kg	0.203U ng/Kg
SL-202-NBZ-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.239 ng/Kg	0.239U ng/Kg
SL-202-NBZ-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0516 ng/Kg	0.0516U ng/Kg

# Field Duplicate RPD Report

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: PrepDX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method: 160.3M**  
**Matrix: SO**

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-193-NBZ-SS-0.0-0.5	DUP-08-NBZ-QC-041912			
MOISTURE	11.2	11.0	2		No Qualifiers Applied

**Method: 1613B**  
**Matrix: SO**

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag	
	SL-193-NBZ-SS-0.0-0.5	DUP-08-NBZ-QC-041912				
1,2,3,4,6,7,8-HPCDD	2.44	1.86	27	50.00	No Qualifiers Applied	
1,2,3,4,6,7,8-HPCDF	0.444	0.441	1	50.00		
1,2,3,4,7,8-HXCDF	0.197	0.239	19	50.00		
1,2,3,6,7,8-HXCDD	0.163	0.241	39	50.00		
1,2,3,6,7,8-HXCDF	0.150	0.198	28	50.00		
1,2,3,7,8,9-HXCDD	0.202	0.213	5	50.00		
1,2,3,7,8-PECDD	0.139	0.196	34	50.00		
1,2,3,7,8-PECDF	0.298	0.317	6	50.00		
2,3,4,6,7,8-HXCDF	0.190	0.168	12	50.00		
2,3,4,7,8-PECDF	0.905	0.761	17	50.00		
2,3,7,8-TCDF	0.190	0.139	31	50.00		
OCDD	17.2	12.4	32	50.00		
OCDF	0.843	0.809	4	50.00		
1,2,3,4,7,8,9-HPCDF	0.0341	0.115	109	50.00		J(all detects)
1,2,3,4,7,8-HxCDD	0.0890	0.149	50	50.00		
1,2,3,7,8,9-HXCDF	0.0539	0.143	91	50.00		
2,3,7,8-TCDD	0.0297	0.0624	71	50.00		

## Reporting Limit Outliers

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-NBZ-SS-042312	1,2,3,4,6,7,8-HPCDD	JB	3.21	10.3	PQL	pg/L	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.704	10.3	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.244	10.3	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	0.272	10.3	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.411	10.3	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JB	0.245	10.3	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	0.369	10.3	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JB	0.189	10.3	PQL	pg/L	
	1,2,3,7,8-PECDD	JB	0.246	10.3	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	0.278	10.3	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.248	10.3	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.605	10.3	PQL	pg/L	
	OCDD	JB	5.58	20.7	PQL	pg/L	
	OCDF	JB	0.708	20.7	PQL	pg/L	

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP-08-NBZ-QC-041912	1,2,3,4,6,7,8-HPCDD	JB	1.86	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.441	5.46	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.115	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.149	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.239	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.241	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.198	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.213	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.143	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.196	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.317	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.168	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.761	5.46	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0624	1.09	PQL	ng/Kg	
2,3,7,8-TCDF	JB	0.139	1.09	PQL	ng/Kg		
OCDF	JB	0.809	10.9	PQL	ng/Kg		
SL-016-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.991	6.19	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.21	6.19	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.13	6.19	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	3.68	6.19	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.625	6.19	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.98	6.19	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.218	6.19	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.647	6.19	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.15	6.19	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.872	6.19	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.73	6.19	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0998	1.24	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.541	1.24	PQL	ng/Kg	

## Reporting Limit Outliers

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-017-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.674	6.99	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.13	6.99	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.38	6.99	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	2.74	6.99	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.751	6.99	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	2.03	6.99	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.211	6.99	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.738	6.99	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.72	6.99	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.848	6.99	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	3.07	6.99	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0647	1.40	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.470	1.40	PQL	ng/Kg	
SL-018-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.53	6.13	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.283	6.13	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.417	6.13	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.365	6.13	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.716	6.13	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.304	6.13	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.732	6.13	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0612	6.13	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.419	6.13	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.332	6.13	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.314	6.13	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.78	6.13	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.107	1.23	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.364	1.23	PQL	ng/Kg	
OCDF	JB	4.89	12.3	PQL	ng/Kg		
SL-080-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.82	5.55	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.160	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.124	5.55	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.362	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.354	5.55	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.194	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.364	5.55	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0427	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.205	5.55	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.323	5.55	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.236	5.55	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.955	5.55	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0673	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.151	1.11	PQL	ng/Kg	
	OCDF	JB	3.05	11.1	PQL	ng/Kg	

## Reporting Limit Outliers

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B

**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-089-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.64	5.60	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.217	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.389	5.60	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.647	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.965	5.60	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.408	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.741	5.60	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0496	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.389	5.60	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.615	5.60	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.440	5.60	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.02	5.60	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0505	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.422	1.12	PQL	ng/Kg	
OCDF	JB	4.26	11.2	PQL	ng/Kg		
SL-150-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.08	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.228	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.290	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.444	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.63	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.422	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	3.53	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.505	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.680	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.568	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.381	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.24	5.58	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.238	1.12	PQL	ng/Kg	
	OCDF	JB	4.10	11.2	PQL	ng/Kg	
SL-170-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.01	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.801	5.42	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0735	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.105	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.283	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.358	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.161	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.265	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.149	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.159	5.42	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.364	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.197	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.910	5.42	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0458	1.08	PQL	ng/Kg	
2,3,7,8-TCDF	JB	0.111	1.08	PQL	ng/Kg		
OCDF	JB	1.31	10.8	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-171-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.21	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.137	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.142	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.261	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.542	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.204	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.420	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.101	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.150	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.234	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.238	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.463	5.47	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0275	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.226	1.09	PQL	ng/Kg	
	OCDF	JB	2.26	10.9	PQL	ng/Kg	
SL-178-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.07	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.845	5.46	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.143	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.165	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.398	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.348	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.279	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.258	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.125	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.261	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.834	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.229	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.44	5.46	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.103	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.374	1.09	PQL	ng/Kg	
OCDF	JB	1.68	10.9	PQL	ng/Kg		
SL-179-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	0.917	5.59	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.101	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.158	5.59	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.323	5.59	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.327	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	0.359	5.59	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0749	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.193	5.59	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.345	5.59	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.231	5.59	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.907	5.59	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0374	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.258	1.12	PQL	ng/Kg	
	OCDF	JB	1.48	11.2	PQL	ng/Kg	

# Reporting Limit Outliers

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-184-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.74	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.762	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.134	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.119	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JBQ	0.206	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.268	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.134	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.242	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0567	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0788	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.231	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.177	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.18	5.63	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0254	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.149	1.13	PQL	ng/Kg	
	OCDF	JB	1.33	11.3	PQL	ng/Kg	
SL-193-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.44	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.444	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0341	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0890	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.197	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.163	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JBQ	0.150	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JBQ	0.202	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0539	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.139	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.298	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.190	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.905	5.53	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0297	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.190	1.11	PQL	ng/Kg	
	OCDF	JB	0.843	11.1	PQL	ng/Kg	
SL-199-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.48	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.422	5.27	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0890	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0782	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.283	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.231	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.172	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.311	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0839	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.194	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.350	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.197	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.838	5.27	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0617	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.268	1.05	PQL	ng/Kg	
	OCDD	JB	7.82	10.5	PQL	ng/Kg	
OCDF	JB	0.778	10.5	PQL	ng/Kg		

# Reporting Limit Outliers

Lab Reporting Batch ID: DX171

Laboratory: LL

EDD Filename: DX171\_v1

eQAPP Name: CDM\_SSFL\_120718\_Lan

**Method:** 1613B  
**Matrix:** SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-200-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.88	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.484	5.44	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0481	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0848	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.174	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JB	0.320	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.109	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.345	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JBQ	0.0915	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.149	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.180	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JBQ	0.128	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.458	5.44	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0360	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.101	1.09	PQL	ng/Kg	
OCDF	JB	0.833	10.9	PQL	ng/Kg		
SL-201-NBZ-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.10	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.69	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	3.18	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	1.13	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	3.00	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.722	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.849	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	1.14	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.14	5.73	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.154	1.15	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.382	1.15	PQL	ng/Kg	
SL-202-NBZ-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.32	5.23	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.512	5.23	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0718	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0842	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDF	JB	0.170	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDD	JBQ	0.159	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HxCDF	JB	0.116	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDD	JB	0.148	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HxCDF	JB	0.0741	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.148	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.203	5.23	PQL	ng/Kg	
	2,3,4,6,7,8-HxCDF	JB	0.133	5.23	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.239	5.23	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0276	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0516	1.05	PQL	ng/Kg	
	OCDF	JB	1.05	10.5	PQL	ng/Kg	

**Appendix D**  
**Master Database Table**  
(On CD)



















































































































































































































































































































































































































































































































































































































































Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-116-NBZ-SS-0.0-0.5	3-22-2012	N	0	0.5	ft bgs	SO	NBZ		C229-08	EMAX	8270C	4-2-2012	3550B	12C229	10.6	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	94	190	ug/kg	U			1787360.889	268999.0918	-118.70445	34.23714





























































































































































































































































Phase 1 and 2 NBZ Sample Results

Table with columns: Sample Name, Sample Date, Sample Type Code, Start Depth, End Depth, Depth Unit, Matrix Code, Task Code, Parent Sample Code, Lab Sample ID, Lab Name, Analytical Method, Analysis Date, Prep Method, Lab SDG, Percent Moisture, Dilution Factor, Cas RN, Chemical Name, Report Result Value, Final Qualifiers, Method Detection Limit, Reporting Detection Limit, Reporting Result Unit, Lab Qualifiers, DQM Qualifiers, DQM Remarks, X Coordinate, Y Coordinate, Longitude, Latitude. The table contains 94 rows of detailed data.







Phase 1 and 2 NBZ Sample Results

Table with columns: Sample Name, Sample Date, Sample Type Code, Start Depth, End Depth, Depth Unit, Matrix Code, Task Code, Parent Sample Code, Lab Sample ID, Lab Name, Analytical Method, Analysis Date, Prep Method, Lab SDG, Percent Moisture, Dilution Factor, Cas RN, Chemical Name, Report Result Value, Final Qualifiers, Method Detection Limit, Reporting Detection Limit, Reporting Result Unit, Lab Qualifiers, DQM Qualifiers, DQM Remarks, X Coordinate, Y Coordinate, Longitude, Latitude.





## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	51-28-5	2,4-DINITROPHENOL	370	U	190	370	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	370	U	190	370	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	541-73-1	1,3-DICHLOROBENZENE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	606-20-2	2,6-DINITROTOLUENE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	62-53-3	ANILINE	370	U	190	370	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	65-85-0	NENZOIC ACID	750	U	370	750	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	67-72-1	HEXACHLOROETHANE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	78-59-1	3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	86-74-8	CARBAZOLE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	87-68-3	HEXACHLORO-1,3-BUTADIENE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	87-86-5	PENTACHLOROPHENOL	370	U	190	370	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	88-74-4	2-NITROANILINE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	88-75-5	2-NITROPHENOL	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	91-58-7	2-CHLORONAPHTHALENE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	91-94-1	3,3'-DICHLOROBENZIDINE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	92-87-5	BENZIDINE	930	U	470	930	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	95-48-7	2-METHYLPHENOL	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	95-50-1	1,2-DICHLOROBENZENE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	95-57-8	2-CHLOROPHENOL	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	98-95-3	NITROBENZENE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	99-09-2	3-NITROANILINE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	28	U	9.4	19	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	117-84-0	Di-n-octylphthalate	19	U	9.4	19	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	120-12-7	ANTHRACENE	1.9	U	0.95	1.9	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	129-00-0	PYRENE	2.3	U	0.95	1.9	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	131-11-3	DIMETHYL PHTHALATE	19	U	9.4	19	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	191-24-2	BENZO(G,H,I)PERYLENE	1.8	J	0.95	1.9	ug/kg	J	J	Z	1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.3	J	0.95	1.9	ug/kg	J	J	Z	1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	205-99-2	BENZO(F)FLUORANTHENE	2.4	U	0.95	1.9	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	206-44-0	FLUORANTHENE	2.4	U	0.95	1.9	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.95	1.9	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.95	1.9	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8270C SIM	5-2-2012	3550B	12D176	10.7	1	218-01-9	1,2-BENZPHENANTHRACENE	2	U	0.95	1.9	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N</																												

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	7471A	5-1-2012	7471A	12D176	11.0	1	7439-97-6	MERCURY	0.112	U	0.0562	0.112	mg/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	1024-57-3	HEPTACHLOR EPOXIDE	0.475	UY	0.096	0.475	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	1031-07-8	ENDOSULFAN SULFATE	0.95	UY	0.19	0.95	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	12789-03-6	Chlordane (technical)	9.5	UY	1.9	9.5	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	2385-85-5	MIREX	0.95	UY	0.19	0.95	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	309-00-2	ALDRIN	0.475	UY	0.096	0.475	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	319-84-6	ALPHA-BHC	0.475	UY	0.096	0.475	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	319-85-7	BETA-BHC	0.475	UY	0.096	0.475	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	319-86-8	DELTA-BHC	0.475	UY	0.096	0.475	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	33213-65-9	ENDOSULFAN II	0.95	UY	0.19	0.95	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	50-29-3	4,4'-DDT	0.95	UY	0.19	0.95	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	53494-70-5	ENDRIN KETONE	0.95	UY	0.19	0.95	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	58-89-9	gamma-BHC (Lindane)	0.475	UY	0.096	0.475	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	60-57-1	DIELDRIN	0.95	UY	0.19	0.95	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	72-20-8	ENDRIN	0.95	UY	0.19	0.95	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	72-43-5	Methoxychlor	4.75	UY	0.96	4.75	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	72-54-8	4,4'-DDD	0.95	UY	0.19	0.95	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	72-55-9	4,4'-DDE	0.37	J	0.19	0.38	ug/kg	J	Z		1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	7421-93-4	ENDRIN ALDEHYDE	0.95	UY	0.19	0.95	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	76-44-8	HEPTACHLOR	0.475	UY	0.096	0.475	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	8001-35-2	Toxaphene	18.5	UY	3.7	18.5	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	959-98-8	ENDOSULFAN I	0.475	UY	0.096	0.475	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	11096-82-5	Aroclor 1260	4.75	UJY	0.96	4.75	ug/kg	U	UJ	C	1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	11097-69-1	Aroclor 1254	4.75	UY	0.96	4.75	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	11100-14-4	Aroclor 1268	4.75	UY	0.96	4.75	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	11104-28-2	Aroclor 1221	4.75	UY	0.96	4.75	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	11126-42-4	Aroclor 5460	9.25	UY	1.9	9.25	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	11141-16-5	Aroclor 1232	4.75	UY	0.96	4.75	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	12642-23-8	Aroclor 5442	9.25	UY	1.9	9.25	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	12672-29-6	Aroclor 1248	4.75	UJY	0.96	4.75	ug/kg	U	UJ	C	1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	12674-11-2	Aroclor 1016	4.75	UY	0.96	4.75	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	37324-23-5	Aroclor 1262	4.75	UY	0.96	4.75	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	53469-21-9	Aroclor 1242	4.75	UJY	0.96	4.75	ug/kg	U	UJ	C	1784356.458	267956.946	-118.71437	34.23422
SL-179-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-10	EMAX	8082	5-13-2012	3550B	12D176	11.0	1	63496-31-1	Aroclor 5432	9.25	UY	1.9	9.25	ug/kg	U			1784356.458	267956.946	-118.71437	34.23422
SL-180-NBZ-SS-0.0-0.5	4-13-2012	N	0	0.5	ft bgs	SO	NBZ		6616888	LL	1613B	5-2-2012	METHOD	DX170	18.9	1	1746-01-6	2,3,7,8-TCDD	1.21	U	0.0349	1.21	ng/kg	U			1783667.244	267659.6076	-118.71664	34.23339
SL-180-NBZ-SS-0.0-0.5	4-13-2012	N	0	0.5	ft bgs	SO	NBZ		6616888	LL	1613B	5-2-2012	METHOD	DX170	18.9	1	19408-74-3	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.318	J	0.0494	6.07	ng/kg	JB	J	Z	1783667.244	267659.6076	-118.71664	34.23339
SL-180-NBZ-SS-0.0-0.5	4-13-2012	N	0	0.5	ft bgs	SO	NBZ		6616888	LL	1613B	5-2-2012	METHOD	DX170	18.9	1	3268-87-9	OCDD	39.4	J	0.0313	12.1	ng/kg	JB	J	Z	1783667.244	267659.6076	-118.71664	34.23339
SL-180-NBZ-SS-0.0-0.5	4-13-2012	N	0	0.5	ft bgs	SO	NBZ		6616888	LL	1613B	5-2-2012	METHOD	DX170	18.9	1	35822-46-9	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	5.42	J	0.0332	6.07	ng/kg	JB	J	Z	1783667.244	267659.6076	-118.71664	34.23339
SL-180-NBZ-SS-0.0-0.5	4-13-2012	N	0	0.5	ft bgs	SO	NBZ		6616888	LL	1613B	5-2-2012	METHOD	DX170	18.9	1	39001-02-0	OCDF	1.98	J	0.0261	12.1	ng/kg	JB	J	Z	1783667.244	267659.6076	-118.71664	34.23339
SL-180-NBZ-SS-0.0-0.5	4-13-2012	N	0	0.5	ft bgs	SO	NBZ		6616888	LL	1613B	5-2-2012	METHOD	DX170	18.9	1	39227-28-6	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.152	J	0.0422	6.07	ng/kg	JB	J	Z	1783667.2			

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	1746-01-6	2,3,7,8-TCDD	1.12	U	0.0263	1.12	ng/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	19408-74-3	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.53	J	0.0239	5.58	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	3268-87-9	OCDD	98.5	J	0.0464	11.2	ng/kg	B			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	35822-46-9	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	14.8	J	0.0280	5.58	ng/kg	B			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	39001-02-0	OCDF	4.1	J	0.0202	11.2	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	39227-28-6	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.29	J	0.0227	5.58	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	40321-76-4	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.68	J	0.0283	5.58	ng/kg	JBO	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	51207-31-9	2,3,7,8-TETRACHLORODIBENZOFURAN	0.238	J	0.0356	1.12	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	0.228	J	0.0357	5.58	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	57117-31-4	2,3,4,7,8-PECDF	1.24	J	0.0211	5.58	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	57117-41-6	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.568	J	0.0235	5.58	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	57117-44-9	1,2,3,6,7,8-HXCFD	0.422	J	0.0144	5.58	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	57653-85-7	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.63	J	0.0243	5.58	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	60851-34-5	2,3,4,6,7,8-HXCFD	0.381	J	0.0151	5.58	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	2.08	J	0.0254	5.58	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	70648-26-9	1,2,3,4,7,8-HXCFD	0.444	J	0.0158	5.58	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		6625150	LL	1613B	5-4-2012	METHOD	DX171	10.7	1	72918-21-9	1,2,3,7,8,9-HXCFD	0.505	J	0.0179	5.58	ng/kg	JB	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-170-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625156	LL	160.3M	5-8-2012	Gen Prep	DX171	8.5	1	MOIST	MOISTURE	8.5	U	0.50	0.50	%				1782844.697	267028.0602	-118.71935	34.23163
SL-170-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625156	LL	1613B	5-4-2012	METHOD	DX171	8.5	1	1746-01-6	2,3,7,8-TCDD	0.0458	J	0.0157	1.08	ng/kg	JQ	J	Z	1782844.697	267028.0602	-118.71935	34.23163
SL-170-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625156	LL	1613B	5-4-2012	METHOD	DX171	8.5	1	19408-74-3	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.265	J	0.0222	5.42	ng/kg	JBO	J	Z	1782844.697	267028.0602	-118.71935	34.23163
SL-170-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625156	LL	1613B	5-4-2012	METHOD	DX171	8.5	1	3268-87-9	OCDD	22.2	J	0.0268	10.8	ng/kg	B			1782844.697	267028.0602	-118.71935	34.23163
SL-170-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625156	LL	1613B	5-4-2012	METHOD	DX171	8.5	1	35822-46-9	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.01	J	0.0204	5.42	ng/kg	JB	J	Z	1782844.697	267028.0602	-118.71935	34.23163
SL-170-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625156	LL	1613B	5-4-2012	METHOD	DX171	8.5	1	39001-02-0	OCDF	1.31	J	0.0212	10.8	ng/kg	JBO	J	Z	1782844.697	267028.0602	-118.71935	34.23163
SL-170-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625156	LL	1613B	5-4-2012	METHOD	DX171	8.5	1	39227-28-6	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.105	J	0.0220	5.42	ng/kg	JBO	J	Z	1782844.697	267028.0602	-118.71935	34.23163
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	7199	4-6-2012	Gen Prep	12C305	13.9	1	18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	1.16	U	0.581	1.16	mg/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	7471A	4-4-2012	7471A	12C305	13.9	0.987	7439-97-6	MERCURY	0.115	U	0.0573	0.115	mg/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	1024-57-3	HEPTACHLOR EPOXIDE	0.5	UY	0.099	0.5	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	1031-07-8	ENDOSULFAN SULFATE	0.975	UY	0.20	0.975	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	12789-03-6	Chlordane (technical)	9.75	UY	2.0	9.75	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	2385-85-5	MIREX	0.975	UY	0.20	0.975	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	309-00-2	ALDRIN	0.5	UY	0.099	0.5	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	319-84-6	ALPHA-BHC	0.5	UY	0.099	0.5	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	319-85-7	BETA-BHC	0.5	UY	0.099	0.5	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	319-86-8	DELTA-BHC	0.5	UY	0.099	0.5	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	33213-65-9	ENDOSULFAN II	0.975	UY	0.20	0.975	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	50-29-3	4,4'-DDT	1.9	UY	0.20	0.975	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	53494-70-5	ENDRIN KETONE	0.975	UY	0.20	0.975	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	58-89-9	gamma-BHC (Lindane)	0.5	UY	0.099	0.5	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	60-57-1	DIELDRIN	0.975	UY	0.20	0.975	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8081A	4-25-2012	3550B	12C305	13.9	1	72-20-8	ENDRIN	0.975	UY	0.									

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	122-99-6	2-phenoxy-Ethanol	190	U	190	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	132-64-9	DIBENZOFURAN	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	51-28-5	2,4-DINITROPHENOL	390	U	190	390	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	390	U	190	390	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	541-73-1	1,3-DICHLOROBENZENE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	606-20-2	2,6-DINITROTOLUENE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	62-53-3	ANILINE	390	U	190	390	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	65-85-0	BENZOIC ACID	770	U	390	770	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	67-72-1	HEXACHLOROETHANE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	78-59-1	3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	86-30-6	N-NITROSDIPHENYLAMINE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	86-74-8	CARBAZOLE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	87-68-3	HEXACHLORO-1,3-BUTADIENE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	87-86-5	PENTACHLOROPHENOL	390	U	190	390	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	88-74-4	2-NITROANILINE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	88-75-5	2-NITROPHENOL	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	91-58-7	2-CHLORONAPHTHALENE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	91-94-1	3,3'-DICHLOROBENZIDINE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	92-87-5	BENZIDINE	960	U	490	960	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	95-48-7	2-METHYLPHENOL	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	95-50-1	1,2-DICHLOROBENZENE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	95-57-8	2-CHLOROPHENOL	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	98-95-3	NITROBENZENE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C	4-17-2012	3550B	12C305	13.9	1	99-09-2	3-NITROANILINE	190	U	98	190	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C SIM	4-17-2012	3550B	12C305	13.9	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	30	U	9.8	19	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C SIM	4-17-2012	3550B	12C305	13.9	1	117-84-0	Di-n-octylphthalate	19	U	9.8	19	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C SIM	4-17-2012	3550B	12C305	13.9	1	120-12-7	ANTHRACENE	2	U	0.99	2.0	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C SIM	4-17-2012	3550B	12C305	13.9	1	129-00-0	PYRENE	2.1	U	0.99	2.0	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C SIM	4-17-2012	3550B	12C305	13.9	1	131-11-3	DIMETHYL PHTHALATE	19	U	9.8	19	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C SIM	4-17-2012	3550B	12C305	13.9	1	191-24-2	BENZO(G,H,I)PERYLENE	1.6	J	0.99	2.0	ug/kg	J	J	Z	1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C SIM	4-17-2012	3550B	12C305	13.9	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.1	J	0.99	2.0	ug/kg	J	J	Z	1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C SIM	4-17-2012	3550B	12C305	13.9	1	205-99-2	BENZO(B)FLUORANTHENE	1.8	J	0.99	2.0	ug/kg	J	J	Z	1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	8270C SIM	4-17-2012	3550B	12C305	13.9	1	206-44-0	FLUORANTHENE	2.3	U	0.99	2.0	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5																														

Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	65-85-0	BENZOIC ACID	720	U	360	720	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	67-72-1	HEXACHLOROETHANE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	78-59-1	3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	86-30-6	N-NITROSODIPHENYLAMINE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	86-74-8	CARBAZOLE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	87-68-3	HEXACHLORO-1,3-BUTADIENE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	87-86-5	PENTACHLOROPHENOL	360	U	180	360	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	88-06-2	2,4,6-TRICHLOROPHENOL	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	88-74-4	2-NITROANILINE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	88-75-5	2-NITROPHENOL	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	91-58-7	2-CHLORONAPHTHALENE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	91-94-1	3,3'-DICHLOROBENZIDINE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	92-87-5	BENZIDINE	890	U	450	890	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	95-48-7	2-METHYLPHENOL	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	95-50-1	1,2-DICHLOROBENZENE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	95-57-8	2-CHLOROPHENOL	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	98-95-3	NITROBENZENE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	99-09-2	3-NITROANILINE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	18	U	9.0	18	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	117-84-0	Di-n-octylphthalate	18	U	9.0	18	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	120-12-7	ANTHRACENE	1.8	U	0.91	1.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	129-00-0	PYRENE	1.8	U	0.91	1.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	131-11-3	DIMETHYL PHTHALATE	18	U	9.0	18	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	191-24-2	BENZO(G,H,I)PERYLENE	1.8	U	0.91	1.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.8	U	0.91	1.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	205-99-2	BENZO(B)FLUORANTHENE	1.8	U	0.91	1.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	206-44-0	FLUORANTHENE	1.8	U	0.91	1.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	207-08-9	BENZO(K)FLUORANTHENE	1.8	U	0.91	1.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	208-96-8	ACENAPHTHYLENE	1.8	U	0.91	1.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	218-01-9	1,2-BENZOPHANTHACENE	1.8	U	0.91	1.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	50-32-8	BENZO(A)PYRENE	1.8	U	0.91	1.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192	7.1	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.8	U	0.91	1.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C SIM	5-3-2012	3550B	12D192																

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	319-84-6	ALPHA-BHC	0.45	UY	0.092	0.45	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	319-85-7	BETA-BHC	0.45	UY	0.092	0.45	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	319-86-8	DELTA-BHC	0.45	UY	0.092	0.45	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	33213-65-9	ENDOSULFAN II	0.925	UY	0.18	0.925	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	50-29-3	4,4'-DDT	3.8	UY	0.18	0.37	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	53494-70-5	ENDRIN KETONE	0.925	UY	0.18	0.925	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	58-89-9	gamma-BHC (Lindane)	0.45	UY	0.092	0.45	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	60-57-1	DIELDRIN	0.925	UY	0.18	0.925	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	72-20-8	ENDRIN	0.925	UY	0.18	0.925	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	72-43-5	Methoxychlor	4.5	UY	0.92	4.5	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	72-54-8	4,4'-DDD	0.925	UY	0.18	0.925	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	72-55-9	4,4'-DDE	1.3	UY	0.18	0.37	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	7421-93-4	ENDRIN ALDEHYDE	0.925	UY	0.18	0.925	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	76-44-8	HEPTACHLOR	0.45	UY	0.092	0.45	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	8001-35-2	Toxaphene	18	UY	3.6	18	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8081A	5-2-2012	3550B	12D197	7.7	1	959-98-8	ENDOSULFAN I	0.925	UY	0.092	0.45	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	11096-82-5	Aroclor 1260	4.5	UY	0.92	4.5	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	11097-69-1	Aroclor 1254	4.5	UY	0.92	4.5	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	11100-14-4	Aroclor 1268	4.5	UY	0.92	4.5	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	11104-28-2	Aroclor 1221	4.5	UY	0.92	4.5	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	11126-42-4	Aroclor 5460	9	UY	1.8	9	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	11141-16-5	Aroclor 1232	4.5	UY	0.92	4.5	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	12642-23-8	Aroclor 5442	9	UY	1.8	9	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	12672-29-6	Aroclor 1248	4.5	UY	0.92	4.5	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	12674-11-2	Aroclor 1016	4.5	UY	0.92	4.5	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	37324-23-5	Aroclor 1262	4.5	UY	0.92	4.5	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	53469-21-9	Aroclor 1242	4.5	UY	0.92	4.5	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8082	5-15-2012	3550B	12D197	7.7	1	63496-31-1	Aroclor 5432	9	UY	1.8	9	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8151A	4-26-2012	Gen Prep	12D197	7.7	1	120-36-5	DICHLOROPROP	5.2	UY	1.3	5.2	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8151A	4-26-2012	Gen Prep	12D197	7.7	1	1918-00-9	DICAMBA	2.6	UY	0.65	2.6	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8151A	4-26-2012	Gen Prep	12D197	7.7	1	75-99-0	2,2-DICHLOROPROPIONIC ACID	19.6	UY	4.9	19.6	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8151A	4-26-2012	Gen Prep	12D197	7.7	1	88-85-7	DINITROBUTYL PHENOL	3.6	UY	0.92	3.6	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8151A	4-26-2012	Gen Prep	12D197	7.7	1	93-65-2	MCPP	540	UY	140	540	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8151A	4-26-2012	Gen Prep	12D197	7.7	1	93-72-1	2,4,5-TP (Silvex)	0.36	UY	0.092	0.36	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8151A	4-26-2012	Gen Prep	12D197	7.7	1	93-76-5	2,4,5-T	0.36	UY	0.092	0.36	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8151A	4-26-2012	Gen Prep	12D197	7.7	1	94-74-6	MCPA (2-METHYL-4-CHLOROPHENOXYACETIC ACID)	540	UY	140	540	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		D197-01	EMAX	8151A	4-26-2012	Gen Prep	12D197	7.7	1	94-75-7	2,4-D	7.8	UY	2.0	7.8	ug/kg	U			1788875.416	270223.1514	-118.69947	34.24053
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8270C	5-2-2012	3550B	12D166	10.8	1	87-86-5	PENTACHLOROPHENOL	370	U	190	370	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8270C	5-2-2012	3550B	12D166	10.8	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	94	190	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8270C	5-2-2012	3550B	12D166	10.8	1	88-74-4	2-NITROANILINE	190	U	94	190	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD																												

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
DUP-10-NBZ-OC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	6624306	LL	1613B	5-3-2012	METHOD	DX170	11	1	57653-85-7	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.61	U	0.0311	5.61	ng/kg	JB	U	B	1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-OC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	6624306	LL	1613B	5-3-2012	METHOD	DX170	11	1	60851-34-5	2,3,4,6,7,8-HXCDF	0.225	J	0.0234	5.61	ng/kg	JB	J	Z	1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-OC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	6624306	LL	1613B	5-3-2012	METHOD	DX170	11	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	0.492	J	0.0146	5.61	ng/kg	JB	J	Z	1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-OC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	6624306	LL	1613B	5-3-2012	METHOD	DX170	11	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.238	J	0.0276	5.61	ng/kg	JB	J	Z	1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-OC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	6624306	LL	1613B	5-3-2012	METHOD	DX170	11	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.61	U	0.0302	5.61	ng/kg	JB	U	B	1782544.329	267040.3371	-118.72034	34.23166
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	122-66-7	1,2-DIPHENYLHYDRAZINE	200	U	100	200	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	122-99-6	2-phenoxy-Ethanol	200	U	200	200	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	132-64-9	DIBENZOFURAN	200	U	100	200	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	200	U	100	200	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	51-28-5	2,4-DINITROPHENOL	400	U	200	400	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	400	U	200	400	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	541-73-1	1,3-DICHLOROBENZENE	200	U	100	200	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	59-50-7	4-CHLORO-3-METHYLPHENOL	200	U	100	200	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	606-20-2	2,6-DINITROTOLUENE	200	U	100	200	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	62-53-3	ANILINE	400	U	200	400	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	200	U	100	200	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	65-85-0	BENZOIC ACID	790	U	400	790	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	67-72-1	HEXACHLOROETHANE	200	U	100	200	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-152-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-03	EMAX	8270C	4-25-2012	3550B	12D122	15.8	1	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	200	U	100	200	ug/kg	U			1781637.394	266778.0822	-118.72333	34.23092
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	12789-03-6	Chlordane (technical)	9.5	UY	1.9	9.5	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	2385-85-5	MIREX	0.95	UY	0.19	0.95	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	309-00-2	ALDRIN	0.475	UY	0.095	0.475	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	319-84-6	ALPHA-BHC	0.475	UY	0.095	0.475	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	319-85-7	BETA-BHC	0.475	UY	0.095	0.475	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	319-86-8	DELTA-BHC	0.475	UY	0.095	0.475	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	33213-65-9	ENDOSULFAN II	0.95	UY	0.19	0.95	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	50-29-3	4,4'-DDT	1.3	UY	0.19	0.38	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	53494-70-5	ENDRIN KETONE	0.95	UY	0.19	0.95	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	58-89-9	gamma-BHC (Lindane)	0.475	UY	0.095	0.475	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	60-57-1	DELDRIN	0.95	UY	0.19	0.95	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	72-20-8	ENDRIN	0.95	UY	0.19	0.95	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	72-43-5	Methoxychlor	4.75	UY	0.95	4.75	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	72-54-8	4,4'-DDD	0.95	UY	0.19	0.95	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	72-55-9	4,4'-DDE	0.37	J	0.19	0.38	ug/kg	J	J	Z	1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	7421-93-4	ENDRIN ALDEHYDE	0.95	UY	0.19	0.95	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	76-44-8	HEPTACHLOR	0.475	UY										

Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	65-85-0	BENZOIC ACID	750	U	370	750	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	67-72-1	HEXACHLOROETHANE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	78-59-1	3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	86-74-8	CARBAZOLE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	87-68-3	HEXACHLORO-1,3-BUTADIENE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	87-86-5	PENTACHLOROPHENOL	370	U	190	370	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	88-74-4	2-NITROANILINE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	88-75-5	2-NITROPHENOL	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	91-58-7	2-CHLORONAPHTHALENE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	91-94-1	3,3'-DICHLOROBENZIDINE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	92-87-5	BENZIDINE	930	U	470	930	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	95-48-7	2-METHYLPHENOL	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	95-50-1	1,2-DICHLOROBENZENE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	95-57-8	2-CHLOROPHENOL	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	98-95-3	NITROBENZENE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C	5-2-2012	3550B	12D154	10.7	1	99-09-2	3-NITROANILINE	190	U	94	190	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	13	J	9.4	19	ug/kg	J	J	Z	1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	117-84-0	Di-n-octylphthalate	19	U	9.4	19	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	120-12-7	ANTHRACENE	1.9	U	0.95	1.9	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	129-00-0	PYRENE	1.3	J	0.95	1.9	ug/kg	J	J	Z	1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	131-11-3	DIMETHYL PHTHALATE	19	U	9.4	19	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	191-24-2	BENZO(G,H,I)PERYLENE	1.9	U	0.95	1.9	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.9	U	0.95	1.9	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	205-99-2	BENZO(B)FLUORANTHENE	1.6	J	0.95	1.9	ug/kg	J	J	Z	1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	206-44-0	FLUORANTHENE	1.6	J	0.95	1.9	ug/kg	J	J	Z	1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.95	1.9	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.95	1.9	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	218-01-9	1,2-BENZPHENANTHRACENE	1.9	U	0.95	1.9	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	50-32-8	BENZO(A)PYRENE	1.9	U	0.95	1.9	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.95	1.9	ug/kg	U		1783009.993	267350.2734	-118.71881	34.23252	
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8270C SIM	5-2-2012	3550B	12D154	10.7	1	56-55-3	BENZO(A)ANTHRACENE	1.3											

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C	5-2-2012	3550B	12D176	11.2	1	88-75-5	2-NITROPHENOL	190	U	95	190	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C	5-2-2012	3550B	12D176	11.2	1	91-58-7	2-CHLORONAPHTHALENE	190	U	95	190	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C	5-2-2012	3550B	12D176	11.2	1	91-94-1	3,3'-DICHLOROBENZIDINE	190	U	95	190	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C	5-2-2012	3550B	12D176	11.2	1	92-87-5	BENZIDINE	930	U	470	930	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C	5-2-2012	3550B	12D176	11.2	1	95-48-7	2-METHYLPHENOL	190	U	95	190	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C	5-2-2012	3550B	12D176	11.2	1	95-50-1	1,2-DICHLOROBENZENE	190	U	95	190	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C	5-2-2012	3550B	12D176	11.2	1	95-57-8	2-CHLOROPHENOL	190	U	95	190	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C	5-2-2012	3550B	12D176	11.2	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	95	190	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C	5-2-2012	3550B	12D176	11.2	1	98-95-3	NITROBENZENE	190	U	95	190	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C	5-2-2012	3550B	12D176	11.2	1	99-09-2	3-NITROANILINE	190	U	95	190	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	16	J	9.5	19	ug/kg	J	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	117-84-0	Di-n-octylphthalate	19	U	9.5	19	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	120-12-7	ANTHRACENE	1.9	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	129-00-0	PYRENE	2.2	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	131-11-3	DIMETHYL PHTHALATE	19	U	9.5	19	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	191-24-2	BENZO(G,H,I)PERYLENE	1.8	J	0.96	1.9	ug/kg	J	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.6	J	0.96	1.9	ug/kg	J	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	205-99-2	BENZO(B)FLUORANTHENE	2.5	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	206-44-0	FLUORANTHENE	2.3	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	218-01-9	1,2-BENZOPHENANTHRACENE	1.7	J	0.96	1.9	ug/kg	J	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	50-32-8	BENZO(A)PYRENE	1.4	J	0.96	1.9	ug/kg	J	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	56-55-3	BENZO(A)ANTHRACENE	1.9	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	62-75-9	METHANAMINE, N-METHYL-N-NITROSO	1.9	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	83-32-9	ACENAPHTHENE	1.9	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	84-66-2	DIETHYL PHTHALATE	19	U	9.5	19	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	84-74-2	Di-n-butylphthalate	19	U	9.5	19	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	85-01-8	PHENANTHRENE	1.2	J	0.96	1.9	ug/kg	J	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	85-68-7	BENZYL BUTYL PHTHALATE	19	U	9.5	19	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	86-73-7	FLUORENE	1.9	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	90-12-0	1-METHYLNAPHTHALENE	1.9	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	91-20-3	NAPHTHALENE	1.9	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.2	1	91-57-6	2-METHYLNAPHTHALENE	1.9	U	0.96	1.9	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	9045D	4-20-2012	Gen Prep	12D176	0	1	pH	PH	5.87		0.1	0.1	pH unit	0.1			1784270.561	267567.3055	-118.71464	34.23314
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	300.0	4-25-2012	Gen Prep	12D176	10.7	1	16984-48-8	FLUORIDE	1.12	U	0.560	1.12	mg/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	314.0	4-24-2012	Gen Prep	12D176	10.7	1	14797-73-0	PERCHLORATE	22.4	U	11.2	22.4	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	6020	5-3-2012	TOTAL	12D176	10.7	0.995	7429-90-5	ALUMINUM (FUME OR DUST)	12400		13.4	26.7	mg/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	6020	5-3-2012	TOTAL	12D176	10.7	0.995	7439-89-6	IRON	19500		11.1	22.3	mg/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D17																					

Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8081A	5-1-2012	3550B	12D176	10.7	1	7421-93-4	ENDRIN ALDEHYDE	0.95	UY	0.19	0.95	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8081A	5-1-2012	3550B	12D176	10.7	1	76-44-8	HEPTACHLOR	0.475	UY	0.095	0.475	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8081A	5-1-2012	3550B	12D176	10.7	1	8001-35-2	Toxaphene	18.5	UY	3.7	18.5	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8081A	5-1-2012	3550B	12D176	10.7	1	959-98-8	ENDOSULFAN I	0.475	UY	0.095	0.475	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	11096-82-5	Aroclor 1260	4.75	UJY	0.95	4.75	ug/kg	U	UJ	C	1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	11097-69-1	Aroclor 1254	4.75	UY	0.95	4.75	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	11100-14-4	Aroclor 1268	4.75	UY	0.95	4.75	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	11104-28-2	Aroclor 1221	4.75	UY	0.95	4.75	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	11126-42-4	Aroclor 5460	4.8	UY	1.9	3.7	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	11141-16-5	Aroclor 1232	4.75	UY	0.95	4.75	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	12642-23-8	Aroclor 5442	9.25	UY	1.9	9.25	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	12672-29-6	Aroclor 1248	4.75	UJY	0.95	4.75	ug/kg	U	UJ	C	1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	12674-11-2	Aroclor 1016	4.75	UY	0.95	4.75	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	137324-23-5	Aroclor 1262	4.75	UY	0.95	4.75	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	53469-21-9	Aroclor 1242	4.75	UJY	0.95	4.75	ug/kg	U	UJ	C	1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8082	5-13-2012	3550B	12D176	10.7	1	63496-31-1	Aroclor 5432	9.25	UY	1.9	9.25	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8151A	4-26-2012	Gen Prep	12D176	10.7	1	120-36-5	DICHLORPROP	5.4	UY	1.3	5.4	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8151A	4-26-2012	Gen Prep	12D176	10.7	1	1918-00-9	DICAMBA	2.6	UY	0.67	2.6	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8151A	4-26-2012	Gen Prep	12D176	10.7	1	75-99-0	2,2-DICHLOROPROPIONIC ACID	20	UY	5.0	20	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8151A	4-26-2012	Gen Prep	12D176	10.7	1	88-85-7	DINITROBUTYL PHENOL	3.8	UY	0.95	3.8	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8151A	4-26-2012	Gen Prep	12D176	10.7	1	93-65-2	MCPP	560	UY	140	560	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8151A	4-26-2012	Gen Prep	12D176	10.7	1	93-72-1	2,4,5-TP (Silvex)	0.38	UY	0.095	0.38	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8151A	4-26-2012	Gen Prep	12D176	10.7	1	93-76-5	2,4,5-T	0.38	UY	0.095	0.38	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8151A	4-26-2012	Gen Prep	12D176	10.7	1	94-74-6	MCPA (2-METHYL-4-CHLOROPHENOXACETIC ACID)	560	UY	140	560	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8151A	4-26-2012	Gen Prep	12D176	10.7	1	94-75-7	2,4-D	8	UY	2.0	8	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09	EMAX	8151A	4-26-2012	Gen Prep	12D176	10.7	1	94-82-6	2,4-DB	3.8	UY	0.95	3.8	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	100-01-6	P-NITROANILINE	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	100-02-7	4-NITROPHENOL	370	U	190	370	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	100-51-6	BENZYL ALCOHOL	100	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	101-55-3	4-BROMOPHENYL PHENYL ETHER	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-178-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-09W	EMAX	8270C	5-14-2012	3550B	12D176	10.7	1	106-44-5	4-METHYLPHENOL	190	U	94	190	ug/kg	U			1784156.372	267604.514	-118.71502	34.23324
SL-146-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft bgs	SO	NBZ		6624305	LL	1613B	5-3-2012	METHOD	DX170	13.7	1	1746-01-6	2,3,7,8-TCDD	0.044	J	0.0280	1.13	ng/kg	J	J	Z	1784192.863	267769.8426	-118.7149	34.2337
SL-146-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft bgs	SO	NBZ		6624305	LL	1613B	5-3-2012	METHOD	DX170	13.7	1	19408-74-3	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.242	J	0.0394	5.66	ng/kg	JBQ	J	Z	1784192.863	267769.8426	-118.7149	34.2337
SL-146-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft bgs	SO	NBZ		6624305	LL	1613B	5-3-2012	METHOD	DX170	13.7	1	3268-87-9	OCDD	34.3	U	0.0267	11.3	ng/kg	B			1784192.863	267769.8426	-118.7149	34.2337
SL-146-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft bgs	SO	NBZ		6624305	LL	1613B	5-3-2012	METHOD	DX170	13.7	1	35822-46-9	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	4.61	J	0.0327	5.66	ng/kg	JB	J	Z	1784192.863	267769.8426	-118.7149	34.2337
SL-146-N																														

Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	3268-87-9	OCDD	23.5	J	0.0287	11.3	ng/kg	B			1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	35822-46-9	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	3.36	J	0.0324	5.64	ng/kg	JB	J	Z	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	39001-02-0	OCDF	1.21	J	0.0283	11.3	ng/kg	JB	J	Z	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	39227-28-6	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.64	U	0.0326	5.64	ng/kg	JB	U	B	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	40321-76-4	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.101	J	0.0316	5.64	ng/kg	J	J	Z	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	51207-31-9	2,3,7,8-TETRACHLORODIBENZOFURAN	0.149	J	0.0636	1.13	ng/kg	JB	J	Z	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.64	U	0.0358	5.64	ng/kg	JBQ	U	B	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	57117-31-4	2,3,4,7,8-PECDF	0.462	J	0.0370	5.64	ng/kg	JB	J	Z	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	57117-41-6	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.203	J	0.0387	5.64	ng/kg	JB	J	Z	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.112	J	0.0301	5.64	ng/kg	J	J	Z	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.64	U	0.0350	5.64	ng/kg	JB	U	B	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	60851-34-5	2,3,4,6,7,8-HXCFDF	5.64	U	0.0283	5.64	ng/kg	JB	U	B	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	0.651	J	0.0249	5.64	ng/kg	JB	J	Z	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.64	U	0.0326	5.64	ng/kg	JB	U	B	1783491.072	267440.0803	-118.71722	34.23278
SL-172-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		6616887	LL	1613B	5-2-2012	METHOD	DX170	11.7	1	72918-21-9	1,2,3,7,8,9-HXCFDF	5.64	U	0.0342	5.64	ng/kg	U			1783491.072	267440.0803	-118.71722	34.23278
SL-180-NBZ-SS-0.0-0.5	4-13-2012	N	0	0.5	ft bgs	SO	NBZ		6616888	LL	160.3M	4-18-2012	Gen Prep	DX170	18.9	1		MOIST	18.9		0.50		%				1783667.244	267659.6076	-118.71664	34.23339
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	72-54-8	4,4'-DDD	1.025	UY	0.21	1.025	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	72-55-9	4,4'-DDE	1.025	UY	0.21	1.025	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	7421-93-4	ENDRIN ALDEHYDE	1.025	UY	0.21	1.025	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	76-44-8	HEPTACHLOR	0.525	UY	0.10	0.525	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	8001-35-2	Toxaphene	20	UY	4.0	20	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	959-98-8	ENDOSULFAN I	0.525	UY	0.10	0.525	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	11096-82-5	Aroclor 1260	5.25	UY	1.0	5.25	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	11097-69-1	Aroclor 1254	5.25	UY	1.0	5.25	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	11100-14-4	Aroclor 1268	5.25	UY	1.0	5.25	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	11104-28-2	Aroclor 1221	5.25	UY	1.0	5.25	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	11126-42-4	Aroclor 5460	10	UY	2.1	10	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	11141-16-5	Aroclor 1232	5.25	UY	1.0	5.25	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	12642-23-8	Aroclor 5442	10	UY	2.1	10	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	12672-29-6	Aroclor 1248	5.25	UY	1.0	5.25	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	12674-11-2	Aroclor 1016	5.25	UY	1.0	5.25	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	37324-23-5	Aroclor 1262	5.25	UY	1.0	5.25	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	53469-21-9	Aroclor 1242	5.25	UY	1.0	5.25	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8082	4-8-2012	3550B	12C261	17.6	1	63496-31-1	Aroclor 5432	10	UY	2.1	10	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8151A	4-2-2012	Gen Prep	12C261	17.6	1	120-36-5	DICHLORPROP	5.8	UY	1.5	5.8	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8151A	4-2-2012	Gen Prep	12C261	17.6	1	1918-00-9	DICAMBA	3	UY	0.73	3	ug/kg	U						

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C	4-6-2012	3550B	12C261	17.6	1	95-48-7	2-METHYLPHENOL	200	U	100	200	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C	4-6-2012	3550B	12C261	17.6	1	95-50-1	1,2-DICHLOROENZENE	200	U	100	200	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C	4-6-2012	3550B	12C261	17.6	1	95-57-8	2-CHLOROPHENOL	200	U	100	200	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C	4-6-2012	3550B	12C261	17.6	1	95-95-4	2,4,5-TRICHLOROPHENOL	200	U	100	200	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C	4-6-2012	3550B	12C261	17.6	1	98-95-3	NITROBENZENE	200	U	100	200	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C	4-6-2012	3550B	12C261	17.6	1	99-09-2	3-NITROANILINE	200	U	100	200	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	12	J	10	20	ug/kg	J	J	Z	1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	117-84-0	Di-n-octylphthalate	20	U	10	20	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	120-12-7	ANTHRACENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	129-00-0	PYRENE	2.3	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	131-11-3	DIMETHYL PHTHALATE	20	U	10	20	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	191-24-2	BENZO(G,H,I)PERYLENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	205-99-2	BENZO(B)FLUORANTHENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	206-44-0	FLUORANTHENE	3.2	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	207-08-9	BENZO(K)FLUORANTHENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	208-96-8	ACENAPHTHYLENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	218-01-9	1,2-BENZPHENANTHRACENE	1.1	J	1.0	2.1	ug/kg	J	J	Z	1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	50-32-8	BENZO(A)PYRENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	56-55-3	BENZO(A)ANTHRACENE	1.3	J	1.0	2.1	ug/kg	J	J	Z	1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	62-75-9	METHANAMINE, N-METHYL-N-NITROSO	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	83-32-9	ACENAPHTHENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	84-66-2	DIETHYL PHTHALATE	20	U	10	20	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	84-74-2	Di-n-butylphthalate	20	U	10	20	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	85-01-8	PHENANTHRENE	1.4	J	1.0	2.1	ug/kg	J	J	Z	1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	85-68-7	BENZYL BUTYL PHTHALATE	20	U	10	20	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	86-73-7	FLUORENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	90-12-0	1-METHYLNAPHTHALENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	91-20-3	NAPHTHALENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8270C SIM	4-6-2012	3550B	12C261	17.6	1	91-57-6	2-METHYLNAPHTHALENE	2.1	U	1.0	2.1	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	9045D	3-27-2012	Gen Prep	12C261	0	1	pH	PH	6.65	U	0.1	0.1	pH unit	0.1			1788667.029	270115.6046	-118.70016	34.24023
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	300.0	4-3-2012	Gen Prep	12C305	0	1	16984-48-8	FLUORIDE	0.57	J	0.500	1.00	mg/kg	J	J	Z	1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	314.0	4-6-2012	Gen Prep	12C305	13.9	1	14797-73-0	PERCHLORATE	23.2	U	11.6	23.2	ug/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	6020	4-10-2012	Gen Prep	12C305	13.9	0.99	7429-90-5	ALUMINIUM (FUME OR DUST)	12100	U	13.8	27.6	mg/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	6020	4-10-2012	Gen Prep	12C305	13.9	0.99	7439-89-6	IRON	19100	U	11.5	23.0	mg/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	6020	4-10-2012	Gen Prep	12C305	13.9	0.99	7439-92-1	LEAD	17.9	U	0.115	0.230	mg/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	6020	4-10-2012	Gen Prep	12C305	13.9	0.99	7439-93-2	LITHIUM	22.3	U	1.15	2.30	mg/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	6020	4-10-2012	Gen Prep	12C305	13.9	0.99	7439-95-4	MAGNESIUM	5380	U	5.75	11.5	mg/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10	EMAX	6020	4-10-2012	Gen Prep	12C305	13.9	0.99	7439-96-5	MANGANESE	281	U	0.287	0.575	mg/kg	U			1788752.445	269708.6301	-118.69986	34.23911
SL-197-NBZ-SS-0.0-0.5	3-29-2012	N	0	0.5	ft bgs	SO	NBZ		C305-10																					

Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	22		9.4	19	ug/kg				1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	117-84-0	Di-n-octylphthalate	19	U	9.4	19	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	120-12-7	ANTHRACENE	1.9	U	0.96	1.9	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	129-00-0	PYRENE	1.7	J	0.96	1.9	ug/kg	J	J	Z	1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	131-11-3	DIMETHYL PHTHALATE	19	U	9.4	19	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	191-24-2	BENZO(G,H,I)PERYLENE	1.5	J	0.96	1.9	ug/kg	J	J	FD, Z	1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.2	J	0.96	1.9	ug/kg	J	J	FD, Z	1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	205-99-2	BENZO(B)FLUORANTHENE	2.1		0.96	1.9	ug/kg				1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	206-44-0	FLUORANTHENE	1.7	J	0.96	1.9	ug/kg	J	J	Z	1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.96	1.9	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.96	1.9	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	218-01-9	1,2-BENZOPHENANTHRACENE	1.4	J	0.96	1.9	ug/kg	J	J	Z	1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	50-32-8	BENZO(A)PYRENE	1.2	J	0.96	1.9	ug/kg	J	J	FD, Z	1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.96	1.9	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	56-55-3	BENZO(A)ANTHRACENE	1.9	U	0.96	1.9	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	62-75-9	METHANAMINE, N-METHYL-N-NITROSO	1.9	U	0.96	1.9	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	83-32-9	ACENAPHTHENE	1.9	U	0.96	1.9	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	84-66-2	DIETHYL PHTHALATE	19	U	9.4	19	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	84-74-2	Di-n-butylphthalate	19	U	9.4	19	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	85-01-8	PHENANTHRENE	1.1	J	0.96	1.9	ug/kg	J	J	FD, Z	1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	85-68-7	BENZYL BUTYL PHTHALATE	13	J	9.4	19	ug/kg	J	J	Z	1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	86-73-7	FLUORENE	1.9	U	0.96	1.9	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	90-12-0	1-METHYLNAPHTHALENE	0.98	J	0.96	1.9	ug/kg	J	J	FD, Z	1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	91-20-3	NAPHTHALENE	1.1	J	0.96	1.9	ug/kg	J	J	FD, Z	1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C SIM	5-2-2012	3550B	12D176	11.0	1	91-57-6	2-METHYLNAPHTHALENE	1.2	J	0.96	1.9	ug/kg	J	J	FD, Z	1784544.474	267978.7143	-118.71375	34.23428
SL-202-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	9045D	4-20-2012	Gen Prep	12D176	0	1	pH	PH	6.24		0.1	0.1	pH unit	0.1			1784544.474	267978.7143	-118.71375	34.23428
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	300.0	4-28-2012	Gen Prep	12D192	7.1	1	16984-48-8	FLUORIDE	1.08	U	0.538	1.08	mg/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	314.0	4-30-2012	Gen Prep	12D192	7.1	1	14797-73-0	PERCHLORATE	21.5	U	10.8	21.5	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07W	EMAX	6020	5-1-2012	TOTAL	12D192	7.1	0.976	7440-24-6	STRONTIUM	15.1		0.263	0.525	mg/kg				1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	6020	4-30-2012	TOTAL	12D192	7.1	0.976	7429-90-5	ALUMINUM (FUME OR DUST)	11300		12.6	25.2	mg/kg				1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	6020	4-30-2012	TOTAL	12D192	7.1	0.976	7439-89-6	IRON	21500		10.5	21.0	mg/kg				1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	6020	4-30-2012	TOTAL	12D192	7.1	0.976	7439-92-1	LEAD	5.8	J	0.105	0.210	mg/kg	J	J	Q	1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	6020	4-30-2012	TOTAL	12D192	7.1	0.976	7439-93-2	LITHIUM	31.1		1.05	2.10	mg/kg				1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	6020	4-30-2012	TOTAL	12D192	7.1	0.976	7439-95-4	MAGNESIUM	5160		5.25	10.5	mg/kg				1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	6020	4-30-2012	TOTAL	12D192	7.1	0.976	7439-96-5	MANGANESE	286		0.263	0.525	mg/kg				1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	6020	4-30-2012	TOTAL	12D192	7.1	0.976	7439-98-7	MOLYBDENUM	0.469		0.0525	0.105	mg/kg				1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-0																					

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8082	5-15-2012	3550B	12D192	7.1	1	11141-16-5	Aroclor 1232	4.5	UY	0.91	4.5	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8082	5-15-2012	3550B	12D192	7.1	1	12642-23-8	Aroclor 5442	9	UY	1.8	9	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8082	5-15-2012	3550B	12D192	7.1	1	12672-29-6	Aroclor 1248	4.5	UY	0.91	4.5	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8082	5-15-2012	3550B	12D192	7.1	1	12674-11-2	Aroclor 1016	4.5	UY	0.91	4.5	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8082	5-15-2012	3550B	12D192	7.1	1	37324-23-5	Aroclor 1262	4.5	UY	0.91	4.5	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8082	5-15-2012	3550B	12D192	7.1	1	53469-21-9	Aroclor 1242	4.5	UY	0.91	4.5	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8082	5-15-2012	3550B	12D192	7.1	1	63496-31-1	Aroclor 5432	9	UY	1.8	9	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8151A	4-26-2012	Gen Prep	12D192	7.1	1	120-36-5	DICHLOROPROP	5.2	UY	1.3	5.2	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8151A	4-26-2012	Gen Prep	12D192	7.1	1	1918-00-9	DICAMBA	2.6	UY	0.65	2.6	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8151A	4-26-2012	Gen Prep	12D192	7.1	1	75-99-0	2,2-DICHLOROPROPIONIC ACID	19.4	UY	4.8	19.4	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8151A	4-26-2012	Gen Prep	12D192	7.1	1	88-85-7	DINITROBUTYL PHENOL	3.6	UY	0.91	3.6	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8151A	4-26-2012	Gen Prep	12D192	7.1	1	93-65-2	MCPP	540	UY	130	540	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8151A	4-26-2012	Gen Prep	12D192	7.1	1	93-72-1	2,4,5-TP (Silvex)	0.36	UY	0.091	0.36	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8151A	4-26-2012	Gen Prep	12D192	7.1	1	93-76-5	2,4,5-T	0.36	UY	0.091	0.36	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8151A	4-26-2012	Gen Prep	12D192	7.1	1	94-74-6	MCPA (2-METHYL-4-CHLOROPHENOXYACETIC ACID)	540	UY	130	540	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8151A	4-26-2012	Gen Prep	12D192	7.1	1	94-75-7	2,4-D	7.8	UY	1.9	7.8	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8151A	4-26-2012	Gen Prep	12D192	7.1	1	94-82-6	2,4-DB	3.6	UY	0.91	3.6	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	100-01-6	P-NITROANILINE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	100-02-7	4-NITROPHENOL	360	U	180	360	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	100-51-6	BENZYL ALCOHOL	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	101-55-3	4-BROMOPHENYL PHENYL ETHER	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	105-67-9	2,4-DIMETHYLPHENOL	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	106-44-5	4-METHYLPHENOL	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	106-46-7	1,4-DICHLOROBENZENE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	106-47-8	P-CHLOROANILINE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	108-68-9	3,5-Dimethylphenol	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	108-95-2	PHENOL	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	111-76-2	2-butoxy-Ethanol	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	118-74-1	HEXACHLOROBENZENE	180	U	90	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-07	EMAX	8270C	5-3-2012	3550B	12D192	7.1	1	119-64-2	TEXTRALIN	180	U	180	180	ug/kg	U			1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625158	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	39001-02-0	OCDF	1.05	J	0.0239	10.5	ng/kg	JB	J	Z	1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625158	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	39227-28-6	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.0842	J	0.0205	5.23	ng/kg	JBQ	J	Z	1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625158	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	40321-76-4	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.23	U	0.0260	5.23	ng/kg	JB	U	B	1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625158	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	51207-31-9	2,3,7,8-TETRACHLORODIBENZOFURAN	1.05	U	0.0259	1.05	ng/kg	JB	U	B	1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625158	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	55673-89-7	1,2,3,4,7,8-HPCDF	5.23	U	0.0276	5.23	ng/kg	JBQ	U	B	1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625158	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	57117-31-4	2,3,4,7,8-PECDF	5.23	U	0.0194	5.23	ng/kg	JB	U	B	1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625158	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	57117-41-6	1,2,3,7,8-PENTACHLORODIBENZOFURAN	5.23	U	0.0188	5.23	ng/kg	JBQ	U	B	1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625158	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	57117-44-9	1,2,3,6,7,8-HXCFD	5.23	U	0.0119	5.23	ng/kg	JB	U	B	1781614.79	266542.6649	-118.7234	34.23028
SL-202-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		6625158	LL	1613B	5-4-2012	METHOD	DX171	7.1															

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	33213-65-9	ENDOSULFAN II	0.95	UY	0.19	0.95	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	50-29-3	4,4'-DDT	1.7	UY	0.19	0.38	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	53494-70-5	ENDRIN KETONE	0.95	UY	0.19	0.95	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	58-89-9	gamma-BHC (Lindane)	0.475	UY	0.095	0.475	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	60-57-1	DIELDRIN	0.95	UY	0.19	0.95	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	72-20-8	ENDRIN	0.95	UY	0.19	0.95	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	72-43-5	Methoxychlor	4.75	UY	0.95	4.75	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	72-54-8	4,4'-DDD	0.95	UY	0.19	0.95	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	72-55-9	4,4'-DDE	1.1	UY	0.19	0.38	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	7421-93-4	ENDRIN ALDEHYDE	0.95	UY	0.19	0.95	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	76-44-8	HEPTACHLOR	0.475	UY	0.095	0.475	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	8001-35-2	Toxaphene	18.5	UY	3.7	18.5	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8081A	4-27-2012	3550B	12D166	10.8	1	959-98-8	ENDOSULFAN I	0.475	UY	0.095	0.475	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	11096-82-5	Aroclor 1260	4.75	UY	0.95	4.75	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	11097-69-1	Aroclor 1254	4.75	UY	0.95	4.75	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	11100-14-4	Aroclor 1268	4.75	UY	0.95	4.75	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	11104-28-2	Aroclor 1221	4.75	UY	0.95	4.75	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	11126-42-4	Aroclor 5460	9.25	UY	1.9	9.25	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	11141-16-5	Aroclor 1232	4.75	UY	0.95	4.75	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	12642-23-8	Aroclor 5442	9.25	UY	1.9	9.25	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	12672-29-6	Aroclor 1248	4.75	UY	0.95	4.75	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	12674-11-2	Aroclor 1016	4.75	UY	0.95	4.75	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	37324-23-5	Aroclor 1262	4.75	UY	0.95	4.75	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	53469-21-9	Aroclor 1242	4.75	UY	0.95	4.75	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8082	5-14-2012	3550B	12D166	10.8	1	63496-31-1	Aroclor 5432	9.25	UY	1.9	9.25	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8151A	4-25-2012	Gen Prep	12D166	10.8	1	120-36-5	DICHLORPROP	5.4	UY	1.3	5.4	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8151A	4-25-2012	Gen Prep	12D166	10.8	1	1918-00-9	DICAMBA	2.6	UY	0.67	2.6	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8151A	4-25-2012	Gen Prep	12D166	10.8	1	75-99-0	2,2-DICHLOROPROPIONIC ACID	20	UY	5.0	20	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8151A	4-25-2012	Gen Prep	12D166	10.8	1	88-85-7	DINITROBTUTYL PHENOL	3.8	UY	0.95	3.8	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8151A	4-25-2012	Gen Prep	12D166	10.8	1	93-65-2	MCP	560	UY	140	560	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8151A	4-25-2012	Gen Prep	12D166	10.8	1	93-72-1	2,4,5-TP (Silvex)	0.38	UY	0.095	0.38	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8151A	4-25-2012	Gen Prep	12D166	10.8	1	93-76-5	2,4,5-T	0.38	UY	0.095	0.38	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8151A	4-25-2012	Gen Prep	12D166	10.8	1	94-74-6	MCPA (2-METHYL-4-CHLOROPHOXYACETIC ACID)	560	UY	140	560	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8151A	4-25-2012	Gen Prep	12D166	10.8	1	94-75-7	2,4-D	8	UY	2.0	8	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8151A	4-25-2012	Gen Prep	12D166	10.8	1	94-82-6	2,4-DB	3.8	UY	0.95	3.8	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8270C	5-2-2012	3550B	12D166	10.8	1	100-01-6	P-NITROANILINE	190	U	94	190	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8270C	5-2-2012	3550B	12D166	10.8	1	100-02-7	4-NITROPHENOL	370	U	190	370	ug/kg	U			1782544.329	267040.3371	-118.72034	34.23166
DUP-10-NBZ-QC-041612	4-16-2012	FD	0	0.5	ft bgs	SO	NBZ	SL-160-NBZ-SS-0.0-0.5	D166-09	EMAX	8270C	5-2-2012	3550B	12D166	10.8	1	100-51-6	BENZYL ALCOHOL	190	U	94	190	ug/kg	U			1782			

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8081A	4-26-2012	3550B	12D146	17.4	1	8001-35-2	Toxaphene	20	UY	4.0	20	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8081A	4-26-2012	3550B	12D146	17.4	1	959-98-8	ENDOSULFAN I	0.525	UY	0.10	0.525	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	11096-82-5	Aroclor 1260	5.25	UY	1.0	5.25	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	11097-69-1	Aroclor 1254	5.25	UY	1.0	5.25	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	11100-14-4	Aroclor 1268	5.25	UY	1.0	5.25	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	11104-28-2	Aroclor 1221	5.25	UY	1.0	5.25	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	11126-42-4	Aroclor 5460	10	UY	2.1	10	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	11141-16-5	Aroclor 1232	5.25	UY	1.0	5.25	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	12642-23-8	Aroclor 5442	10	UY	2.1	10	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	12672-29-6	Aroclor 1248	5.25	UY	1.0	5.25	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	12674-11-2	Aroclor 1016	5.25	UY	1.0	5.25	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	37324-23-5	Aroclor 1262	5.25	UY	1.0	5.25	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	53469-21-9	Aroclor 1242	5.25	UY	1.0	5.25	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8082	5-11-2012	3550B	12D146	17.4	1	63496-31-1	Aroclor 5432	10	UY	2.1	10	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8151A	4-23-2012	Gen Prep	12D146	17.4	1	120-36-5	DICHLORPROP	5.8	UY	1.5	5.8	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8151A	4-23-2012	Gen Prep	12D146	17.4	1	1918-00-9	DICAMBA	3	UY	0.73	3	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8151A	4-23-2012	Gen Prep	12D146	17.4	1	75-99-0	2,2-DICHLOROPROPIONIC ACID	22	UY	5.4	22	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-173-NBZ-SS-0.0-0.5	4-16-2012	N	0	0.5	ft bgs	SO	NBZ		D146-05	EMAX	8151A	4-23-2012	Gen Prep	12D146	17.4	1	88-85-7	DINITROBUTYL PHENOL	4.2	UY	1.0	4.2	ug/kg	U		1782665.697	266921.8611	-118.71994	34.23134	
SL-188-NBZ-SS-0.0-0.5	4-10-2012	N	0	0.5	ft bgs	SO	NBZ		D092-06	EMAX	8270C SIM	4-19-2012	3550B	12D092	7.1	1	62-75-9	METHANAMINE, N-METHYL-N-NITROSO	1.8	U	0.91	1.8	ug/kg	U		1783426.708	267055.0834	-118.71742	34.23172	
SL-188-NBZ-SS-0.0-0.5	4-10-2012	N	0	0.5	ft bgs	SO	NBZ		D092-06	EMAX	8270C SIM	4-19-2012	3550B	12D092	7.1	1	83-32-9	ACENAPHTHENE	1.8	U	0.91	1.8	ug/kg	U		1783426.708	267055.0834	-118.71742	34.23172	
SL-188-NBZ-SS-0.0-0.5	4-10-2012	N	0	0.5	ft bgs	SO	NBZ		D092-06	EMAX	8270C SIM	4-19-2012	3550B	12D092	7.1	1	84-66-2	DIETHYL PHTHALATE	18	U	9.0	18	ug/kg	U		1783426.708	267055.0834	-118.71742	34.23172	
SL-188-NBZ-SS-0.0-0.5	4-10-2012	N	0	0.5	ft bgs	SO	NBZ		D092-06	EMAX	8270C SIM	4-19-2012	3550B	12D092	7.1	1	84-74-2	Di-n-butylphthalate	18	U	9.0	18	ug/kg	U		1783426.708	267055.0834	-118.71742	34.23172	
SL-188-NBZ-SS-0.0-0.5	4-10-2012	N	0	0.5	ft bgs	SO	NBZ		D092-06	EMAX	8270C SIM	4-19-2012	3550B	12D092	7.1	1	85-01-8	PHENANTHRENE	1.8	U	0.91	1.8	ug/kg	U		1783426.708	267055.0834	-118.71742	34.23172	
SL-188-NBZ-SS-0.0-0.5	4-10-2012	N	0	0.5	ft bgs	SO	NBZ		D092-06	EMAX	8270C SIM	4-19-2012	3550B	12D092	7.1	1	85-68-7	BENZYL BUTYL PHTHALATE	12	J	9.0	18	ug/kg	J	Z	1783426.708	267055.0834	-118.71742	34.23172	
SL-188-NBZ-SS-0.0-0.5	4-10-2012	N	0	0.5	ft bgs	SO	NBZ		D092-06	EMAX	8270C SIM	4-19-2012	3550B	12D092	7.1	1	86-73-7	FLUORENE	1.8	U	0.91	1.8	ug/kg	U		1783426.708	267055.0834	-118.71742	34.23172	
SL-188-NBZ-SS-0.0-0.5	4-10-2012	N	0	0.5	ft bgs	SO	NBZ		D092-06	EMAX	8270C SIM	4-19-2012	3550B	12D092	7.1	1	90-12-0	1-METHYLNAPHTHALENE	1.8	U	0.91	1.8	ug/kg	U		1783426.708	267055.0834	-118.71742	34.23172	
SL-188-NBZ-SS-0.0-0.5	4-10-2012	N	0	0.5	ft bgs	SO	NBZ		D092-06	EMAX	8270C SIM	4-19-2012	3550B	12D092	7.1	1	91-20-3	NAPHTHALENE	1.8	U	0.91	1.8	ug/kg	U		1783426.708	267055.0834	-118.71742	34.23172	
SL-188-NBZ-SS-0.0-0.5	4-10-2012	N	0	0.5	ft bgs	SO	NBZ		D092-06	EMAX	8270C SIM	4-19-2012	3550B	12D092	7.1	1	91-57-6	2-METHYLNAPHTHALENE	1.8	U	0.91	1.8	ug/kg	U		1783426.708	267055.0834	-118.71742	34.23172	
SL-188-NBZ-SS-0.0-0.5	4-10-2012	N	0	0.5	ft bgs	SO	NBZ		D092-06	EMAX	9045D	4-11-2012	Gen Prep	12D092	7.1	1	PH		6.92	PH	0.1	0.1	pH unit	0.1		1783426.708	267055.0834	-118.71742	34.23172	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	300.0	4-16-2012	Gen Prep	12D122	13.2	1	16984-48-8	FLUORIDE	1.49	U	0.576	1.15	mg/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	314.0	4-18-2012	Gen Prep	12D122	13.2	1	14797-73-0	PERCHLORATE	23	U	11.5	23.0	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02W	EMAX	6020	4-27-2012	Gen Prep	12D122	13.2	0.995	7429-90-5	ALUMINUM (FUME OR DUST)	13200	U	13.8	27.5	mg/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02W	EMAX	6020	4-27-2012	Gen Prep	12D122	13.2	0.995	7439-89-6	IRON	23700	U	11.5	22.9	mg/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02W	EMAX	6020	4-27-2012	Gen Prep	12D122	13.2	0.995	7439-92-1	LEAD	9.9	U	0.115	0.229	mg/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02W	EMAX	6020	4-27-2012	Gen Prep	12D122	13.2	0.995	7439-93-2	LITHIUM	24.2	U	1.15	2.29	mg/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02W	EMAX	6020	4-27-2012	Gen Prep	12D122	13.2	0.995	7439-95-4	MAGNESIUM	5420	U	5.73	11.5	mg/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02W	EMAX	6020	4-27-2012	Gen Prep	12D122	13.2	0.995	7439-96-5	MANGANESE	338	U	0.287	0.573	mg/kg	U						

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8082	5-9-2012	3550B	12D122	13.2	1	11100-14-4	Aroclor 1268	5	UY	0.98	5	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8082	5-9-2012	3550B	12D122	13.2	1	11104-28-2	Aroclor 1221	5	UY	0.98	5	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8082	5-9-2012	3550B	12D122	13.2	1	11126-42-4	Aroclor 5460	9.5	UY	2.0	9.5	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8082	5-9-2012	3550B	12D122	13.2	1	11141-16-5	Aroclor 1232	5	UY	0.98	5	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8082	5-9-2012	3550B	12D122	13.2	1	12642-23-8	Aroclor 5442	9.5	UY	2.0	9.5	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8082	5-9-2012	3550B	12D122	13.2	1	12672-29-6	Aroclor 1248	5	UY	0.98	5	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8082	5-9-2012	3550B	12D122	13.2	1	12674-11-2	Aroclor 1016	5	UY	0.98	5	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8082	5-9-2012	3550B	12D122	13.2	1	37324-23-5	Aroclor 1262	5	UY	0.98	5	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8082	5-9-2012	3550B	12D122	13.2	1	53469-21-9	Aroclor 1242	5	UY	0.98	5	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8082	5-9-2012	3550B	12D122	13.2	1	63496-31-1	Aroclor 5432	9.5	UY	2.0	9.5	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8151A	4-23-2012	Gen Prep	12D122	13.2	1	120-36-5	DICHLORPROP	5.6	UY	1.4	5.6	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8151A	4-23-2012	Gen Prep	12D122	13.2	1	1918-00-9	DICAMBA	2.8	UY	0.69	2.8	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8151A	4-23-2012	Gen Prep	12D122	13.2	1	75-99-0	2,2-DICHLOROPROPIONIC ACID	20	UY	5.2	20	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8151A	4-23-2012	Gen Prep	12D122	13.2	1	88-85-7	DINITROBUTYL PHENOL	4	UY	0.98	4	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8151A	4-23-2012	Gen Prep	12D122	13.2	1	93-65-2	MCPP	580	UY	140	580	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8151A	4-23-2012	Gen Prep	12D122	13.2	1	93-72-1	2,4,5-TP (Silvex)	0.4	UY	0.098	0.4	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8151A	4-23-2012	Gen Prep	12D122	13.2	1	93-76-5	2,4,5-T	0.4	UY	0.098	0.4	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8151A	4-23-2012	Gen Prep	12D122	13.2	1	94-74-6	MCPA (2-METHYL-4-CHLOROPHOXYACETIC ACID)	580	UY	140	580	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8151A	4-23-2012	Gen Prep	12D122	13.2	1	94-75-7	2,4-D	8.2	UY	2.1	8.2	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8151A	4-23-2012	Gen Prep	12D122	13.2	1	94-82-6	2,4-DB	4	UY	0.98	4	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	100-01-6	P-NITROANILINE	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	100-02-7	4-NITROPHENOL	380	U	190	380	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	100-51-6	BENZYL ALCOHOL	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	101-55-3	4-BROMOPHENYL PHENYL ETHER	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	106-44-5	4-METHYLPHENOL	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	106-46-7	1,4-DICHLOROBENZENE	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	106-47-8	P-CHLOROANILINE	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	108-68-9	3,5-Dimethylphenol	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	108-95-2	PHENOL	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	111-76-2	2-butoxy-Ethanol	190	U	190	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	118-74-1	HEXACHLOROBENZENE	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	119-64-2	TETRALIN	190	U	190	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	120-83-2	2,4-DICHLOROPHENOL	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	121-14-2	2,4-DINITROTOLUENE	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	122-66-7	1,2-DIPHENYLHYDRAZINE	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	122-99-6	2-phenoxy-Ethanol	190	U	190	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ-SS-0.0-0.5	4-12-2012	N	0	0.5	ft bgs	SO	NBZ		D122-02	EMAX	8270C	4-25-2012	3550B	12D122	13.2	1	132-64-9	DIBENZOFURAN	190	U	97	190	ug/kg	U		1781632.902	266609.072	-118.72335	34.23046	
SL-144-NBZ																														

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8151A	4-25-2012	Gen Prep	12D154	17.2	1	75-99-0	2,2-DICHLOROPROPIONIC ACID	2.2	UY	5.4	22	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8151A	4-25-2012	Gen Prep	12D154	17.2	1	88-85-7	DINITROBTYL PHENOL	4.2	UY	1.0	4.2	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8151A	4-25-2012	Gen Prep	12D154	17.2	1	93-65-2	MCPD	600	UY	150	600	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8151A	4-25-2012	Gen Prep	12D154	17.2	1	93-72-1	2,4,5-TP (Silvex)	0.42	UY	0.10	0.42	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8151A	4-25-2012	Gen Prep	12D154	17.2	1	93-76-5	2,4,5-T	0.42	UY	0.10	0.42	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8151A	4-25-2012	Gen Prep	12D154	17.2	1	94-74-6	MCPA (2-METHYL-4-CHLOROPHOXYACETIC ACID)	600	UY	150	600	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8151A	4-25-2012	Gen Prep	12D154	17.2	1	94-75-7	2,4-D	8.6	UY	2.2	8.6	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8151A	4-25-2012	Gen Prep	12D154	17.2	1	94-82-6	2,4-DB	4.2	UY	1.0	4.2	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	100-01-6	P-NITROANILINE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	100-02-7	4-NITROPHENOL	400	U	200	400	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	100-51-6	BENZYL ALCOHOL	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	101-55-3	4-BROMOPHENYL PHENYL ETHER	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	105-67-9	2,4-DIMETHYLPHENOL	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	106-44-5	4-METHYLPHENOL	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	106-46-7	1,4-DICHLOROBENZENE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	106-47-8	P-CHLOROANILINE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	108-68-9	3,5-Dimethylphenol	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	108-95-2	PHENOL	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	111-76-2	2-butoxy-Ethanol	200	U	200	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	111-91-1	BIS(2-CHLOROETHOXYMETHANE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	118-74-1	HEXACHLOROETHYLENE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	119-64-2	TETRALIN	200	U	200	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	120-82-1	1,2,4-TRICHLOROETHYLENE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	120-83-2	2,4-DICHLOROPHENOL	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	121-14-2	2,4-DINITROTOLUENE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	122-66-7	1,2-DIPHENYLHYDRAZINE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	122-99-6	2-phenoxy-Ethanol	200	U	200	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	132-64-9	DIBENZOFURAN	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	51-28-5	2,4-DINITROPHENOL	400	U	200	400	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	400	U	200	400	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	541-73-1	1,3-DICHLOROBENZENE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	59-50-7	4-CHLORO-3-METHYLPHENOL	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	606-20-2	2,6-DINITROTOLUENE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	62-53-3	ANILINE	400	U	200	400	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	65-85-0	BENZOIC ACID	810	U	400	810	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	67-72-1	HEXACHLOROETHANE	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	200	U	100	200	ug/kg	U		1782983.874	267462.8119	-118.7189	34.23283	
SL-156-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-07	EMAX	8270C	5-2-2012	3550B	12D154	17.2	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	200	U	100	200	ug/kg	U		1782983.874	267462.81			

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7439-92-1	LEAD	10.6		0.111	0.223	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7439-93-2	LITHIUM	25.7		1.11	2.23	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7439-95-4	MAGNESIUM	4050		5.57	11.1	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7439-96-5	MANGANESE	345		0.279	0.557	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7439-98-7	MOLYBDENUM	0.471		0.0557	0.111	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-02-0	NICKEL	9.31		0.223	0.446	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-09-7	POTASSIUM	3170	J	33.4	66.9	mg/kg		J	Q	1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-22-4	SILVER	0.111	U	0.0557	0.111	mg/kg		U		1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-23-5	SODIUM	111	U	55.7	111	mg/kg		U		1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-24-6	STRONTIUM	14.1		0.279	0.557	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-28-0	THALLIUM	0.275		0.0557	0.111	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-31-5	TIN	11.1	U	5.57	11.1	mg/kg		U		1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-32-6	TITANIUM METAL POWDER	809		0.557	1.11	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-36-0	ANTIMONY	0.167	J	0.111	0.223	mg/kg	J	J	Q, Z	1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-38-2	ARSENIC	4.76		0.223	0.446	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-39-3	BARIUM	87.9	J	0.223	0.446	mg/kg	J	Q		1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-41-7	BERYLLIUM	0.53		0.0557	0.111	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-42-8	BORON	5.57	U	2.79	5.57	mg/kg		U		1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-43-9	CADMIUM	0.225		0.0557	0.111	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-47-3	CHROMIUM	13.7		0.223	0.446	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-48-4	COBALT	5.37		0.0557	0.111	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-50-8	COPPER	7.33		0.223	0.446	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-62-2	VANADIUM (FUME OR DUST)	28.7		0.0557	0.111	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-66-6	ZINC	56.4		1.67	3.34	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-67-7	ZIRCONIUM	5.57	UJ	2.79	5.57	mg/kg	U	UJ	Q	1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7440-70-2	CALCIUM METAL	2730		11.1	22.3	mg/kg				1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7723-14-0	PHOSPHORUS	356	J	6.69	13.4	mg/kg	J	Q		1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	6020	5-3-2012	Gen Prep	12D154	10.7	0.995	7782-49-2	SELENIUM	0.244	J	0.223	0.446	mg/kg	J	J	Z	1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08R	EMAX	7199	4-24-2012	Gen Prep	12D154	10.7	1	18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	1.12	U	0.560	1.12	mg/kg		U		1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	7199	4-24-2012	Gen Prep	12D154	10.7	1	18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	1.12	U	0.560	1.12	mg/kg		U		1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	7471A	4-24-2012	7471A	12D154	10.7	0.987	7439-97-6	MERCURY	0.111	U	0.0553	0.111	mg/kg		U		1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	1024-57-3	HEPTACHLOR EPOXIDE	0.475	UY	0.095	0.475	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-161-NBZ-SS-0.0-0.5	4-17-2012	N	0	0.5	ft bgs	SO	NBZ		D154-08	EMAX	8081A	4-27-2012	3550B	12D154	10.7	1	1031-07-8	ENDOSULFAN SULFATE	0.95	UY	0.19	0.95	ug/kg	U			1783009.993	267350.2734	-118.71881	34.23252
SL-189-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft bgs	SO	NBZ		D166-10	EMAX	8270C	5-2-2012	3550B	12D166	12.7	1	78-59-1	3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	190	U	96	190	ug/kg	U			1783080.777	266711.8815	-118.71856	34.23077
SL-189-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft bgs	SO	NBZ		D166-10	EMAX	8270C	5-2-2012	3550B	12D166	12.7	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	96	190	ug/kg	U			1783080.777	266711.8815	-118.71856	34.23077
SL-189-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft bgs	SO	NBZ		D166-10	EMAX	8270C	5-2-2012	3550B	12D166	12.7	1	86-74-8	CARBAZOLE	190	U	96	190	ug/kg	U			1783080.777	266711.8815	-118.71856	34.23077
SL-189-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft bgs	SO	NBZ		D166-10	EMAX	8270C	5-2-2012	3550B	12D166	12.7	1	87-68-3	HEXACHLORO-1,3-BUTADIENE	190	U	96	190	ug/kg	U			1783080.777	266711.8815	-118.71856	34.23077
SL-189-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft bgs	SO	NBZ		D166-10	EMAX	8270C	5-2-2012	3550B	12D166	12.7	1	87-86-5	PENTACHLOROPHENOL	380	U	190	380	ug/kg	U			1783080.777	266711.8815	-118.71856	34.23077
SL-189-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft bgs	SO	NBZ		D166-10	EMAX	8270C	5-2-2012	3550B	12D166	12.7	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	96	190	ug/kg	U			1783080.777	266711.8815	-118.71856	34.23077
SL-189-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft bgs	SO	NBZ		D166-10	EMAX	8270C	5-2-2012	3550B	12D166	12.7	1	88-74-4	2-NITROANILINE	190	U	96	190	ug/kg	U			1783080.777	266711.8815	-118.71856	34.23077
SL-189-NBZ-SS-0.0-0.5	4-18-2012	N	0	0.5	ft																									

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-23-5	SODIUM	83.9	J	56.0	112	mg/kg	J	J	Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-24-6	STRONTIUM	14.3		0.280	0.560	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-28-0	THALLIUM	0.227		0.0560	0.112	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-31-5	TIN	11.2	U	5.60	11.2	mg/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-32-6	TITANIUM METAL POWDER	864		0.560	1.12	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-36-0	ANTIMONY	0.202	J	0.112	0.224	mg/kg	J	J	O, Z	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-38-2	ARSENIC	4.45		0.224	0.448	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-39-3	BARIIUM	72.1		0.224	0.448	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-41-7	BERYLLIUM	0.39		0.0560	0.112	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-42-8	BORON	5.6	U	2.80	5.60	mg/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-43-9	CADMIUM	0.233		0.0560	0.112	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-47-3	CHROMIUM	11.3		0.224	0.448	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-48-4	COBALT	4.52		0.0560	0.112	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-50-8	COPPER	6.45		0.224	0.448	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-62-2	VANADIUM (FUME OR DUST)	26.1		0.0560	0.112	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-66-6	ZINC	55.8		1.68	3.36	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-67-7	ZIRCONIUM	5.6	UJ	2.80	5.60	mg/kg	U	UJ	Q	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7440-70-2	CALCIUM METAL	2330		11.2	22.4	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7723-14-0	PHOSPHORUS	421		6.72	13.4	mg/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	6020	5-3-2012	TOTAL	12D176	11.2	0.995	7782-49-2	SELENIUM	0.448	U	0.224	0.448	mg/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08R	EMAX	7199	4-27-2012	Gen Prep	12D176	11.2	1	18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	1.13	U	0.563	1.13	mg/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	7199	4-27-2012	Gen Prep	12D176	11.2	1	18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	1.13	U	0.563	1.13	mg/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	7471A	5-1-2012	7471A	12D176	11.2	0.997	7439-97-6	MERCURY	0.112	U	0.0561	0.112	mg/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	1024-57-3	HEPTACHLOR EPOXIDE	0.475	UY	0.096	0.475	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	1031-07-8	ENDOSULFAN SULFATE	0.95	UY	0.19	0.95	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	12789-03-6	Chlordane (technical)	9.5	UY	1.9	9.5	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	2385-85-5	MIREX	0.95	UY	0.19	0.95	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	309-00-2	ALDRIN	0.475	UY	0.096	0.475	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	319-84-6	ALPHA-BHC	0.475	UY	0.096	0.475	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	319-85-7	BETA-BHC	0.475	UY	0.096	0.475	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	319-86-8	DELTA-BHC	0.475	UY	0.096	0.475	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	33213-65-9	ENDOSULFAN II	0.95	UY	0.19	0.95	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	50-29-3	4,4'-DDT	2.9		0.19	0.38	ug/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	53494-70-5	ENDRIN KETONE	0.95	UY	0.19	0.95	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	58-89-9	gamma-BHC (Lindane)	0.475	UY	0.096	0.475	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	60-57-1	DIELDRIN	0.95	UY	0.19	0.95	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	72-20-8	ENDRIN	0.95	UY	0.19	0.95	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	72-43-5	Methoxychlor	4.75	UJY	0.96	4.75	ug/kg	U	UJ	C	1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	72-54-8	4,4'-DDD	0.95	UY	0.19	0.95	ug/kg	U			1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-08	EMAX	8081A	5-1-2012	3550B	12D176	11.2	1	72-55-9	4,4'-DDE	1.6		0.19	0.38	ug/kg				1784270.561	267567.3055	-118.71464	34.23314
SL-150-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ																							

Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6020	4-30-2012	TOTAL	12D192	8.3	0.976	7440-42-8	BORON	5.32	U	2.66	5.32	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6020	4-30-2012	TOTAL	12D192	8.3	0.976	7440-43-9	CADMIUM	0.179		0.0532	0.106	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6020	4-30-2012	TOTAL	12D192	8.3	0.976	7440-47-3	CHROMIUM	15.2		0.213	0.426	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6020	4-30-2012	TOTAL	12D192	8.3	0.976	7440-48-4	COBALT	5.02		0.0532	0.106	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6020	4-30-2012	TOTAL	12D192	8.3	0.976	7440-50-8	COPPER	7.37		0.213	0.426	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6020	4-30-2012	TOTAL	12D192	8.3	0.976	7440-62-2	VANADIUM (FUME OR DUST)	35.1		0.0532	0.106	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6020	4-30-2012	TOTAL	12D192	8.3	0.976	7440-66-6	ZINC	53.6		1.60	3.19	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6020	4-30-2012	TOTAL	12D192	8.3	0.976	7440-67-7	ZIRCONIUM	5.32	UJ	2.66	5.32	mg/kg	U	UJ	Q	1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6020	4-30-2012	TOTAL	12D192	8.3	0.976	7440-70-2	CALCIUM METAL	2550		10.6	21.3	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6020	4-30-2012	TOTAL	12D192	8.3	0.976	7723-14-0	PHOSPHORUS	480		6.39	12.8	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6020	4-30-2012	TOTAL	12D192	8.3	0.976	7782-49-2	SELENIUM	0.426	U	0.213	0.426	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	6850	4-27-2012	Gen Prep	12D192	8.3	1	14797-73-0	PERCHLORATE	5.45	U	2.73	5.45	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06R	EMAX	7199	4-26-2012	Gen Prep	12D192	8.3	1	18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	1.09	U	0.545	1.09	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	7199	4-26-2012	Gen Prep	12D192	8.3	1	18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	1.09	U	0.545	1.09	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	7471A	4-24-2012	7471A	12D192	8.3	1	7439-97-6	MERCURY	0.109	U	0.0545	0.109	mg/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	1024-57-3	HEPTACHLOR EPOXIDE	0.475	UY	0.093	0.475	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	1031-07-8	ENDOSULFAN SULFATE	0.925	UY	0.19	0.925	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	12789-03-6	Chlordane (technical)	9.25	UY	1.9	9.25	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	2385-85-5	MIREX	0.925	UY	0.19	0.925	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	309-00-2	ALDRIN	0.475	UY	0.093	0.475	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	319-84-6	ALPHA-BHC	0.475	UY	0.093	0.475	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	319-85-7	BETA-BHC	0.475	UY	0.093	0.475	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	319-86-8	DELTA-BHC	0.475	UY	0.093	0.475	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	33213-65-9	ENDOSULFAN II	0.925	UY	0.19	0.925	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	50-29-3	4,4'-DDT	1.2		0.19	0.37	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	53494-70-5	ENDRIN KETONE	0.925	UY	0.19	0.925	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	58-89-9	gamma-BHC (Lindane)	0.475	UY	0.093	0.475	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	60-57-1	DIELDRIN	0.925	UY	0.19	0.925	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	72-20-8	ENDRIN	0.925	UY	0.19	0.925	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	72-43-5	Imethoxychlor	4.75	UY	0.93	4.75	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	72-54-8	4,4'-DDD	0.925	UY	0.19	0.925	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	72-55-9	4,4'-DDE	1		0.19	0.37	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	7421-93-4	ENDRIN ALDEHYDE	0.925	UY	0.19	0.925	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	76-44-8	HEPTACHLOR	0.475	UY	0.093	0.475	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	8001-35-2	Toxaphene	18	UY	3.6	18	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8081A	5-2-2012	3550B	12D192	8.3	1	959-98-8	ENDOSULFAN I	0.475	UY	0.093	0.475	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8082	5-15-2012	3550B	12D192	8.3	1	11096-82-5	Aroclor 1260	4.75	UY	0.93	4.75	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8082	5-15-2012	3550B	12D192	8.3	1	11097-69-1	Aroclor 1254	4.75	UY	0.93	4.75	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8082	5-15-2012	3550B	12D192	8.3	1	11100-14-4	Aroclor 1268	4.75	UY	0.93	4.75	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8082	5-15-2012	3550B	12D192	8.3	1	11104-28-2	Aroclor 1221	4.75	UY	0.93	4.75	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0-0-0.5	4-20-2012	N	0	0.5	ft bgs	SO																								

Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	67-72-1	HEXACHLOROETHANE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	78-59-1	3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	86-30-6	N-NITROSODIPHENYLAMINE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	86-74-8	CARBAZOLE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	87-68-3	HEXACHLORO-1,3-BUTADIENE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	87-86-5	PENTACHLOROPHENOL	360	U	180	360	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	88-06-2	2,4,6-TRICHLOROPHENOL	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	88-74-4	2-NITROANILINE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	88-75-5	2-NITROPHENOL	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	91-58-7	2-CHLORONAPHTHALENE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	91-94-1	3,3'-DICHLOROBENZIDINE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	92-87-5	BENZIDINE	910	U	460	910	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	95-48-7	2-METHYLPHENOL	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	95-50-1	1,2-DICHLOROBENZENE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	95-57-8	2-CHLOROPHENOL	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	98-95-3	NITROBENZENE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C	5-3-2012	3550B	12D192	8.3	1	99-09-2	3-NITROANILINE	180	U	92	180	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	26	U	9.2	18	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	117-84-0	Di-n-octylphthalate	18	U	9.2	18	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	120-12-7	ANTHRACENE	1.9	U	0.93	1.9	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	129-00-0	PYRENE	1.5	J	0.93	1.9	ug/kg	J	J	Z	1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	131-11-3	DIMETHYL PHTHALATE	18	U	9.2	18	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	191-24-2	BENZO(G,H,I)PERYLENE	1.8	J	0.93	1.9	ug/kg	J	J	Z	1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.5	J	0.93	1.9	ug/kg	J	J	Z	1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	205-99-2	BENZO(B)FLUORANTHENE	2.4	U	0.93	1.9	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	206-44-0	FLUORANTHENE	1.6	J	0.93	1.9	ug/kg	J	J	Z	1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.93	1.9	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.93	1.9	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	218-01-9	1,2-BENZOPHENANTHRACENE	1.9	U	0.93	1.9	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	50-32-8	BENZO(A)PYRENE	1	J	0.93	1.9	ug/kg	J	J	Z	1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.93	1.9	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	56-55-3	BENZO(A)ANTHRACENE	1.9	U	0.93	1.9	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	62-75-9	METHANAMINE, N-METHYL-N-NITROSO	1.9	U	0.93	1.9	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	83-32-9	ACENAPHTHENE	1.9	U	0.93	1.9	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	84-66-2	DIETHYL PHTHALATE	18	U	9.2	18	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	84-74-2	Di-n-butylphthalate	18	U	9.2	18	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	3550B	12D192	8.3	1	85-01-8	PHENANTHRENE	1.9	U	0.93	1.9	ug/kg	U			1784409.361	267589.377	-118.71418	34.23321
SL-171-NBZ-SS-0.0-0.5	4-20-2012	N	0	0.5	ft bgs	SO	NBZ		D192-06	EMAX	8270C SIM	5-3-2012	35																	

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	65-85-0	BENZOIC ACID	760	U	380	760	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	67-72-1	HEXACHLOROETHANE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	7005-72-3	4-CHLOROPHENYL PHENYL ETHER	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	78-59-1	3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ONE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	86-74-8	CARBAZOLE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	87-68-3	HEXACHLORO-1,3-BUTADIENE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	87-86-5	PENTACHLOROPHENOL	380	U	190	380	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	88-74-4	2-NITROANILINE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	88-75-5	2-NITROPHENOL	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	91-58-7	2-CHLORONAPHTHALENE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	91-94-1	3,3'-DICHLOROENBENZIDINE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	92-87-5	BENZIDINE	940	U	95	940	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	95-48-7	2-METHYLPHENOL	190	U	480	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	95-50-1	1,2-DICHLOROBENZENE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	95-57-8	2-CHLOROPHENOL	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	98-95-3	NITROBENZENE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C	4-6-2012	3550B	12C261	11.7	1	99-09-2	3-NITROANILINE	190	U	95	190	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	117-81-7	BIS(2-ETHYLBEXYL)PHTHALATE	19	U	9.5	19	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	117-84-0	Di-n-octylphthalate	19	U	9.5	19	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	120-12-7	ANTHRACENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	129-00-0	PYRENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	131-11-3	DIMETHYL PHTHALATE	19	U	9.5	19	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	191-24-2	BENZO(G,H,I)PERYLENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	205-99-2	BENZO(B)FLUORANTHENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	206-44-0	FLUORANTHENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	218-01-9	1,2-BENZPHENANTHRACENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	50-32-8	BENZO(A)PYRENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	56-55-3	BENZO(A)ANTHRACENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	62-75-9	METHANAMINE, N-METHYL-N-NITROSO	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	83-32-9	ACENAPHTHENE	1.9	U	0.96	1.9	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	84-66-2	DIETHYL PHTHALATE	19	U	9.5	19	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-15	EMAX	8270C SIM	4-6-2012	3550B	12C261	11.7	1	84-74-2	Di-n-butylphthalate	19	U	9.5	19	ug/kg	U			1788732.512	269627.3799	-118.69993	34.23889
SL-195-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5</																										

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	319-85-7	BETA-BHC	0.525	UY	0.10	0.525	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	319-86-8	DELTA-BHC	0.525	UY	0.10	0.525	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	33213-65-9	ENDOSULFAN II	1.025	UY	0.21	1.025	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	50-29-3	4,4'-DDT	2		0.21	0.41	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	53494-70-5	ENDRIN KETONE	1.025	UY	0.21	1.025	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	58-89-9	gamma-BHC (Lindane)	0.525	UY	0.10	0.525	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	60-57-1	DIELDRIN	1.025	UY	0.21	1.025	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	72-20-8	ENDRIN	1.025	UY	0.21	1.025	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-196-NBZ-SS-0.0-0.5	3-26-2012	N	0	0.5	ft bgs	SO	NBZ		C261-16	EMAX	8081A	4-15-2012	3550B	12C261	17.6	1	72-43-5	Methoxychlor	5.25	UY	1.0	5.25	ug/kg	U			1788667.029	270115.6046	-118.70016	34.24023
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C	4-18-2012	3550B	12D084	8.6	1	95-50-1	1,2-DICHLOROBENZENE	180	U	92	180	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C	4-18-2012	3550B	12D084	8.6	1	95-57-8	2-CHLOROPHENOL	180	U	92	180	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C	4-18-2012	3550B	12D084	8.6	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	92	180	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C	4-18-2012	3550B	12D084	8.6	1	98-95-3	NITROBENZENE	180	U	92	180	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C	4-18-2012	3550B	12D084	8.6	1	99-09-2	3-NITROANILINE	180	U	92	180	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	21		9.2	18	ug/kg				1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	117-84-0	Di-n-octylphthalate	18	U	9.2	18	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	120-12-7	ANTHRACENE	1.9	U	0.93	1.9	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	129-00-0	PYRENE	1.9	UJ	0.93	1.9	ug/kg	U	FD		1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	131-11-3	DIMETHYL PHTHALATE	18	U	9.2	18	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	191-24-2	BENZO(G,H,I)PERYLENE	1.9	U	0.93	1.9	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.9	U	0.93	1.9	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	205-99-2	BENZO(B)FLUORANTHENE	1.9	U	0.93	1.9	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	206-44-0	FLUORANTHENE	1.9	UJ	0.93	1.9	ug/kg	U	UJ	FD	1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.93	1.9	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	208-96-8	ACENAPHTHYLENE	1.9	UJ	0.93	1.9	ug/kg	U	UJ	FD	1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	218-01-9	1,2-BENZOPHENANTHRACENE	1.9	U	0.93	1.9	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	50-32-8	BENZO(A)PYRENE	1.9	U	0.93	1.9	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.93	1.9	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	56-55-3	BENZO(A)ANTHRACENE	1.9	U	0.93	1.9	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	62-75-9	METHANAMINE, N-METHYL-N-NITROSO	1.9	UJ	0.93	1.9	ug/kg	U	UJ	FD	1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	83-32-9	ACENAPHTHENE	1.9	UJ	0.93	1.9	ug/kg	U	UJ	FD	1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	84-66-2	DIETHYL PHTHALATE	18	U	9.2	18	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	84-74-2	Di-n-butylphthalate	18	U	9.2	18	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	85-01-8	PHENANTHRENE	1.9	UJ	0.93	1.9	ug/kg	U	UJ	FD	1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	85-68-7	BENZYL BUTYL PHTHALATE	18	U	9.2	18	ug/kg	U			1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs	SO	NBZ		D084-07	EMAX	8270C SIM	4-18-2012	3550B	12D084	8.6	1	86-73-7	FLUORENE	1.9	UJ	0.93	1.9	ug/kg	U	UJ	FD	1785500.125	268500.0013	-118.7106	34.23573
SL-191-NBZ-SS-0.0-0.5	4-9-2012	N	0	0.5	ft bgs																									

## Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	72-20-8	ENDRIN	0.95	UY	0.19	0.95	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	72-43-5	Methoxychlor	4.75	UY	0.96	4.75	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	72-54-8	4,4'-DDD	0.95	UY	0.19	0.95	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	72-55-9	4,4'-DDE	1.7	J	0.19	0.38	ug/kg	U	J	FD	1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	7421-93-4	ENDRIN ALDEHYDE	0.95	UY	0.19	0.95	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	76-44-8	HEPTACHLOR	0.475	UY	0.096	0.475	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	8001-35-2	Toxaphene	18.5	UY	3.7	18.5	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8081A	5-1-2012	3550B	12D176	11.0	1	959-98-8	ENDOSULFAN I	0.475	UY	0.096	0.475	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	11096-82-5	Aroclor 1260	4.75	UY	0.96	4.75	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	11097-69-1	Aroclor 1254	4.75	UY	0.96	4.75	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	11100-14-4	Aroclor 1268	4.75	UY	0.96	4.75	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	11104-28-2	Aroclor 1221	4.75	UY	0.96	4.75	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	11126-42-4	Aroclor 5460	9.25	UY	1.9	9.25	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	11141-16-5	Aroclor 1232	4.75	UY	0.96	4.75	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	12642-23-8	Aroclor 5442	9.25	UY	1.9	9.25	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	12672-29-6	Aroclor 1248	4.75	UY	0.96	4.75	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	12674-11-2	Aroclor 1016	4.75	UY	0.96	4.75	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	37324-23-5	Aroclor 1262	4.75	UY	0.96	4.75	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	53469-21-9	Aroclor 1242	4.75	UY	0.96	4.75	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8082	5-12-2012	3550B	12D176	11.0	1	63496-31-1	Aroclor 5432	9.25	UY	1.9	9.25	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8151A	4-26-2012	Gen Prep	12D176	11.0	1	120-36-5	DICHLOROPROP	5.4	UY	1.3	5.4	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8151A	4-26-2012	Gen Prep	12D176	11.0	1	1918-00-9	DICAMBA	2.6	UY	0.67	2.6	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8151A	4-26-2012	Gen Prep	12D176	11.0	1	75-99-0	2,2-DICHLOROPROPIONIC ACID	20	UY	5.1	20	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8151A	4-26-2012	Gen Prep	12D176	11.0	1	88-85-7	DINITROBUTYL PHENOL	3.8	UY	0.96	3.8	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8151A	4-26-2012	Gen Prep	12D176	11.0	1	93-65-2	MCPD	560	UY	140	560	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8151A	4-26-2012	Gen Prep	12D176	11.0	1	93-72-1	2,4,5-TP (Silvex)	0.38	UY	0.096	0.38	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8151A	4-26-2012	Gen Prep	12D176	11.0	1	93-76-5	2,4,5-T	0.38	UY	0.096	0.38	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8151A	4-26-2012	Gen Prep	12D176	11.0	1	94-74-6	MCPA (2-METHYL-4-CHLOROPHENOXYACETIC ACID)	560	UY	140	560	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8151A	4-26-2012	Gen Prep	12D176	11.0	1	94-75-7	2,4-D	8	UY	2.0	8	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8151A	4-26-2012	Gen Prep	12D176	11.0	1	94-82-6	2,4-DB	3.8	UY	0.96	3.8	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C	5-2-2012	3550B	12D176	11.0	1	100-01-6	P-NITROANILINE	190	U	94	190	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C	5-2-2012	3550B	12D176	11.0	1	100-02-7	4-NITROPHENOL	370	U	190	370	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C	5-2-2012	3550B	12D176	11.0	1	100-51-6	BENZYL ALCOHOL	190	U	94	190	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C	5-2-2012	3550B	12D176	11.0	1	101-55-3	4-BROMOPHENYL PHENYL ETHER	190	U	94	190	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C	5-2-2012	3550B	12D176	11.0	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	94	190	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C	5-2-2012	3550B	12D176	11.0	1	106-44-5	4-METHYLPHENOL	190	U	94	190	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C	5-2-2012	3550B	12D176	11.0	1	106-46-7	1,4-DICHLOROBENZENE	190	U	94	190	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C	5-2-2012	3550B	12D176	11.0	1	106-47-8	P-CHLOROANILINE	190	U	94	190	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C	5-2-2012	3550B	12D176	11.0	1	108-68-9	3,5-Dimethylphenol	190	U	94	190	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C	5-2-2012	3550B	12D176	11.0	1	108-95-2	PHENOL	190	U	94	190	ug/kg	U			1784544.474	267978.7143	-118.71375	34.23428
SL-193-NBZ-SS-0.0-0.5	4-19-2012	N	0	0.5	ft bgs	SO	NBZ		D176-12	EMAX	8270C	5-2-2012	3550B																	

Phase 1 and 2 NBZ Sample Results

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Lab Name	Analytical Method	Analysis Date	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Reporting Result Unit	Lab Qualifiers	DQM Qualifiers	DQM Remarks	X Coordinate	Y Coordinate	Longitude	Latitude
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626912	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	60851-34-5	2,3,4,6,7,8-HXCDF	0.197	J	0.0132	5.27	ng/kg	JBO	J	Z	1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626912	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	0.422	J	0.0112	5.27	ng/kg	JBO	J	Z	1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626912	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.283	J	0.0144	5.27	ng/kg	JB	J	Z	1788875.416	270223.1514	-118.69947	34.24053
SL-199-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626912	LL	1613B	5-4-2012	METHOD	DX171	7.1	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.27	U	0.0161	5.27	ng/kg	JB	U	B	1788875.416	270223.1514	-118.69947	34.24053
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	160.3M	5-8-2012	Gen Prep	DX171	8.8	1	MOIST	MOISTURE	8.8		0.50	0.50	%				1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	1746-01-6	2,3,7,8-TCDD	0.036	J	0.0168	1.09	ng/kg	J	J	Z	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	19408-74-3	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.345	J	0.0185	5.44	ng/kg	JB	J	Z	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	3268-87-9	OCDD	12.9		0.0254	10.9	ng/kg	B			1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	35822-46-9	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	1.88	J	0.0140	5.44	ng/kg	JB	J	Z	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	39001-02-0	OCDF	0.833	J	0.0203	10.9	ng/kg	JB	J	Z	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	39227-28-6	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.0848	J	0.0181	5.44	ng/kg	JB	J	Z	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	40321-76-4	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	5.44	U	0.0250	5.44	ng/kg	JB	U	B	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	51207-31-9	2,3,7,8-TETRACHLORODIBENZO-FURAN	1.09	U	0.0257	1.09	ng/kg	JB	U	B	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.44	U	0.0161	5.44	ng/kg	JBO	U	B	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	57117-31-4	2,3,4,7,8-PECDF	0.458	J	0.0193	5.44	ng/kg	JB	J	Z	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	57117-41-6	1,2,3,7,8-PENTACHLORODIBENZO-FURAN	5.44	U	0.0205	5.44	ng/kg	JB	U	B	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.44	U	0.0126	5.44	ng/kg	JB	U	B	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	57653-85-7	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.32	J	0.0181	5.44	ng/kg	JB	J	Z	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	60851-34-5	2,3,4,6,7,8-HXCDF	0.128	J	0.0115	5.44	ng/kg	JBO	J	Z	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	0.484	J	0.0123	5.44	ng/kg	JB	J	Z	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.44	U	0.0151	5.44	ng/kg	JB	U	B	1789132.969	269707.1622	-118.6986	34.23912
SL-200-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626913	LL	1613B	5-4-2012	METHOD	DX171	8.8	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.44	U	0.0140	5.44	ng/kg	JBO	U	B	1789132.969	269707.1622	-118.6986	34.23912
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	160.3M	5-8-2012	Gen Prep	DX171	14.8	1	MOIST	MOISTURE	14.8		0.50	0.50	%				1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	1746-01-6	2,3,7,8-TCDD	0.154	J	0.0290	1.15	ng/kg	JQ	J	Z	1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	19408-74-3	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3	J	0.0430	5.73	ng/kg	JB	J	Z	1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	3268-87-9	OCDD	2780		0.165	11.5	ng/kg	B			1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	35822-46-9	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	134		0.132	5.73	ng/kg	B			1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	39001-02-0	OCDF	60.7		0.0413	11.5	ng/kg	B			1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	39227-28-6	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.69	J	0.0444	5.73	ng/kg	JB	J	Z	1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	40321-76-4	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.849	J	0.0569	5.73	ng/kg	JB	J	Z	1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	51207-31-9	2,3,7,8-TETRACHLORODIBENZO-FURAN	0.382	J	0.0905	1.15	ng/kg	JB	J	Z	1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	1.1	J	0.0665	5.73	ng/kg	JB	J	Z	1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	57117-31-4	2,3,4,7,8-PECDF	1.14	J	0.0482	5.73	ng/kg	JB	J	Z	1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	57117-41-6	1,2,3,7,8-PENTACHLORODIBENZO-FURAN	7.99		0.0466	5.73	ng/kg	B			1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD	DX171	14.8	1	57117-44-9	1,2,3,6,7,8-HXCDF	1.13	J	0.0319	5.73	ng/kg	JB	J	Z	1788522.138	269239.6791	-118.70061	34.23782
SL-201-NBZ-SS-0.0-0.5	4-23-2012	N	0	0.5	ft bgs	SO	NBZ		6626914	LL	1613B	5-5-2012	METHOD																	

# Appendix E

## Boring Logs





Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: na	Location ID: 2			
Drilling Company: HydroGeologic		Driller: T. Morse	Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.			
Drilling Equipment: Trowel/shovel		Borehole Diameter: NA	Date/Time Drilling Started: 3/12/12 1027	Date/Time Total Depth Reached: 3/12/12 1033				
Type of Sampling Device: Trowel/shovel			Samples Collected: 40002 - 1035 One 1/2 Gallon Bag (Approx 8 lbs.)					
Geologist: I. Stone			Checked By / Date: Robbins Gellman 3/13/12					
Radiological Background: 17 / 3099 / 73		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm				
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.0	17/60	Silty Sand, Yellowish Brown (5/4 (dry)), 75% fine sand, 25% silt, trace rootlets, dry, low-med dense, no odor or staining  TD = 0.5 ft bgs  No gas encountered	SM		
0.5			0.0	19/105				
1.0								
2.0								
3.0								
4.0								
5.0								
6.0								

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: NBZ	Location ID: 2
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 8.5 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/12/12 1037	Date/Time Total Depth Reached: 3/12/12 1046	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: 90003 - 1125		One 1/2 Gallon Bag (Approx 8 lbs.)	
Geologist: I. Stone	Checked By / Date: Roberts, Jellman 3/13/12			

Radiological Background: 17 / 3099 / 73	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. +6.5' = 3062 (CPM)
0.5			0.0	90	Silty Sand, Yellowish brown (5/4 10YR)		3407
0.5			0.0	72	70% 75% fine sand, 25% silt, trace siltlets, dry, med dense, no odor or staining	SM	4560
1.0			0.0	72	Sandy silt, Dark yellowish brown (4/4 10YR)		5192
1.0			0.0	48	30% 30% fine sand, 70% silt, dry, low toughness, low strength, no odor or staining	ML	5582
2.0			0.0	48			5604
3.0			0.0	84	Silty Sand, Strong Brown (5/6 7.5YR)	SM	5549
3.0			0.0	66			5268
3.0			0.0	48			5190
4.0			0.0	60			5064
4.0			0.0	72			5001
5.0			0.0	60			4940
5.0			0.0	72			4827
6.0			0.0	78	Same as above	SM	4925





Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: NBZ	Location ID: 3	
Drilling Company: Boart Longyear		Driller: Don Hansen		Ground Elevation: NA		Total Depth Drilled: 6.33 ft bgs.	
Drilling Equipment: 6600 Geoprobe		Borehole Diameter: 1.75 in.		Date/Time Drilling Started: 3/12/12 0901		Date/Time Total Depth Reached: 3/12/12 0913	
Type of Sampling Device: 1.75 macrocore with acetate liner				Samples Collected: 90005 - 0945 One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: I. Stone				Checked By / Date: J. Robins/J. Feldman 3/13/12			
Radiological Background: 17/3363/88		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. 40.5' = 2969 (CPM)
0.0			0.0	48	Silty Sand, light yellowish brown (6/4 10YR) 70% fine sand, 25% silt, 5% gravel (sandstone, max size = 1.5in), dry, low-dred dense, no odor or staining	SM	3122
0.5			0.0	84			4555
1.0			0.0	78			5358
			0.0	72			5517
2.0			0.0	48			5715
			0.3	78			5856
3.0			0.3	60			5874
			0.0	54			5787
4.0			0.0	54			5960
			0.0	60			5940
5.0			0.0	54	Sand/silt, Brownish yellow (6/6 10YR) 90% fine sand, 10% silt, dry, high dense, no odor - iron oxide staining	SP	5937
			0.0	48			6117
6.0			0.0	96	Siltstone light olive brown (5/4 10YR) ↳ mechanically weathered, dry, high tough, high strength no odor or staining	Bedrock	N/A

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03	Subarea: NBE	Group: -	Location ID: 3			
Radiological Background: 17 / 3363 / 88		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm				
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs	Borehole Gamma Readings (CPM)
6.0			0.0	96	Siltstone, same as above	Dr. L. rock	6	NR
7.0					TD = 6.33 ft bgs no gw encountered refusal on siltstone		7	
8.0							8	
9.0							9	
10.0							10	
11.0							11	
12.0							12	
13.0							13	

# SSFL BORING LOG

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: <u>5C</u> NBZ	Group: west	Location ID: 4
Drilling Company: HydroGeoLogic	Driller: J. LeVangie	Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.
Drilling Equipment: Trowel/shovel	Borehole Diameter: NA	Date/Time Drilling Started: 4/11/12 858	Date/Time Total Depth Reached: 4/11/12 0910	
Type of Sampling Device: Trowel/shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90006 (0910)	
Geologist: Robbins Goldman		Checked By / Date: Cotton Sena 4/12/2012		

Radiological Background: 13 / 79	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.0	13 / 84	Surface: exposed soil, sparse grass			
0.5			0.0	14 / 60	silty sand: dark brown (10YR 3/3), moist, low dense, 75% fine sand, 15% silt, 10% med sand, no odor or staining, noncohesive, quartz grains, mica flakes, trace rootlets + wood chips	SM		
1.0								
2.0								
3.0								
4.0								
5.0								
6.0								

TD = 0.5' bgs  
no GW encountered  
location not moved



Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: NBZ	Location ID: 5	
Drilling Company: Boart Longyear		Driller: Don Hansen		Ground Elevation: NA		Total Depth Drilled: 7.33 ft bgs.	
Drilling Equipment: 6600 Geoprobe		Borehole Diameter: 1.75 in.		Date/Time Drilling Started: 3/13/12 0940		Date/Time Total Depth Reached: 3/13/12 0954	
Type of Sampling Device: 1.75 macrocore with acetate liner				Samples Collected: 90007-1040 One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: I. Stone				Checked By / Date: Robbin Goldman 3/14/12			
Radiological Background: 16 / 2687 / 60		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	54	Sandy Silt, Dark brown (3/3 10YR) 40% fine sand, 60% silt, dry, trace rocklets, low toughness, low strength, no odor	ML	10.5' = 2835
0.5			0.0	60			2982
1.0			0.0	84			3983
			0.0	48			4735
2.0			0.0	66			4883
			0.0	78			5081
3.0			0.0	72	Silty Sand, Dark Yellowish Brown (4/4 10YR) 60% fine sand, 40% silt, moist, med dense, no odor or staining	SM	5112
			0.0	60	Silty Sand, Dark Yellowish brown (4/6 10YR) 60% fine sand, 10% medium sand, 30% silt, med dense, no odor or staining	SM	3 5114
4.0			0.0	84			5140
			0.0	66			5342
5.0			0.0	72			5113
			0.0	66	Sand w/silt, Brownish yellow (6/6 10YR) 70% fine sand, 20% medium sand, 10% silt, moist, med dense, no odor or staining	SP	5 5249
6.0			0.0	72			5087
			0.0	72			6 4882



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: NBZ	Location ID: 6
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 4 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/13/12 0851	Date/Time Total Depth Reached: 3/13/12 0858	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90068-0925	
Geologist: I. Stone	Checked By / Date: J. Robinson / 3/14/12			

Radiological Background: 16 / 2577 / 68	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. +0.5' = 2676 (CPM)
0.0			0.0	84	Sandy Silt, Brown (4/3 104R) 40% fine sand, 60% silt, trace rust tabs, dry, low toughness, low strength, no odor or staining, low strength.	ML SM	2819
0.5			0.0	72	Sandy Silt, Dark Brown (3/3 104R) 40% fine sand, 60% silt, moist, low toughness, low strength, no odor or staining, low strength.	ML	3834
1.0			0.0	66			4516
			0.0	78			4771
2.0			0.0	54	Sand (weathered sandstone), Brownish Yellow (6/6 104R) 95% fine sand, 5% silt, moist, high dense, no odor or staining	SP	5089
			0.0	72			5119
3.0			0.0	54			5237
			0.0	48			5115
4.0			0.0	66			5184
5.0					TD = 4 ft bgs no gw encountered refusal on sandstone no anomalies detected		
6.0							

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: NBZ	Location ID: 7
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 10 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/12/12 1503	Date/Time Total Depth Reached: 3/12/12 1508	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90009 - 1550	
Geologist: I. Stone	Checked By / Date: Robbin Feldman 3/13/12			

Radiological Background: 15/2487/84	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.0	54	Sandy Silt, Dark yellowish Brown (4/4 10YR) 40% fine sand, 60% silt, trace rootlets, dry, low toughness, low strength, no odor or staining	ML		3429
0.5			0.0	66				4604
1.0			0.0	60	Silty Sand, Yellowish Brown (5/6 10YR) 70% fine sand, 30% silt, dry, <sup>(FS)</sup> moist med dense, no odor or staining	SM	1	5060
			0.0	48				5101
2.0			0.0	72			2	5041
			0.0	60				5214
3.0			0.0	54			3	5079
			0.0	48				4952
4.0			0.0	48			4	4867
			0.0	66				5015
5.0			0.0	72			5	4924
			0.0	54	Same as above	SM		4885
6.0			0.0	48			6	4920

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03	Subarea: NB2	Group: west	Location ID: 7					
Radiological Background: 15/2487/84		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm						
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)		
6.0			0.0	48	Silty Sand, same as above	SM	6	4920		
			0.0	60			7	5307		
7.0			0.0	48			8	5640		
			0.0	60			9	5183		
8.0			0.0	66			10	5009		
			0.0	54						
9.0			0.0	78						
			0.0	66						
10.0			0.0	84			Same as above	SM	11	
									12	
							13			
					TD = 10ft bgs no gw encountered					



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: West	Location ID: 8
Drilling Company: HydroGeoLogic, Inc.	Driller: C Garcia	Ground Elevation: NA	Total Depth Drilled: 5' 8" ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3 inches	Date/Time Drilling Started: 4-12-12 235	Date/Time Total Depth Reached: 4-12-12 0940	
Type of Sampling Device: Hand Auger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90010 (1003)	
Geologist: M Bienen	Checked By / Date: Duff Knott 4/14/12			

Radiological Background: NA/2871/67	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
					surface: tall grass			3257
0.5			0.0	55	Silty sand, very dark brown (10gr 3/4) 60% fine sand, 40% silt, loose, semi moist, trace rustlets, non plasticity, no odor, no staining	SM		3873
1.0			0.0	66				4514
			0.4	92				4698
			0.3	62				4886
2.0								4982
			0.2	86	Silty sand, dark yellowish brown (10gr 3/4) 75% fine sand, 25% silt, semi moist, loose, non plasticity, 1" tree root at 28", mica flakes, no odor, no staining	SM		5242
3.0			0.2	46				5033
			0.6	80	Silty sand, dark yellowish brown (10gr 4/6) 40% fine sand, 25% med sand, 25% silt, loose, non plasticity, mottling, quartz flakes, no odor, no staining, semi moist, mottled	SM		4971
4.0			0.3	66				5012
			0.5	76				4995
5.0			0.1	66				5052
			0.3	48	poorly graded sand, yellowish brown, (10gr 5/16) 50% fine sand, 40% med sand, 10% silt, loose, non plasticity, no odor, no staining	SP		4892
6.0					TD = 68' bgs no groundwater	Bedrock (SP) mechanically weathered sandstone, yellowish brown		

(10gr 5/16) no odor, no staining



Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: West	Location ID: 9	
Drilling Company: HGL		Driller: J. LeVanais/M. Birney		Ground Elevation: NA		Total Depth Drilled: ft bgs.	
Drilling Equipment: Trowel/Shovel		Borehole Diameter: N/A		Date/Time Drilling Started: 4/10/12 0910		Date/Time Total Depth Reached: 4/10/12 0918	
Type of Sampling Device: Trowel/Shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 9001(0915)			
Geologist: LRGoldman				Checked By / Date: Chiff Rumpelt 4/11/12			
Radiological Background: 15 / 4057/77			Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm		
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			105/96		Surface: wooden twigs & soil		
0.5			0.0	106/90	Silty sand: dark brown (10YR 3/3), 65% fine sand, 35% silt, moist, non cohesive, loose, quartz grains, mica flakes, trace charcoal flakes (<2mm), trace rootlets.	SM	
1.0					no GW encountered		
2.0					TD = 0.5' bgs		
					location not moved		
3.0							
4.0							
5.0							
6.0							

*WEST*

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: NA	Location ID: 9
Drilling Company: HydroGeoLogic	Driller: J. LeVange/M. Bimey	Ground Elevation: NA		Total Depth Drilled: 1.5 ft bgs.
Drilling Equipment: Trowel/shovel	Borehole Diameter: NA 3"	Date/Time Drilling Started: 4/10/12 0910	Date/Time Total Depth Reached: 4/10/12 1013	
Type of Sampling Device: Trowel/shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90012 (1015)	
Geologist: L.R. Goldman	Checked By / Date: W.H. Hardy 4/11/12			

Radiological Background: 15/4057/77	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
					pancake Surface: wooden sticks + soil		10.5 = 3874
0.0			0.0	96	Silty sand: dark brown (10YR 3/3), 65% fine sand, 35% silt, moist, non cohesive, loose, quartz grains, mica flakes, trace charcoal flakes (2mm), trace rootlets, no odor or staining	SM	3880
0.5			0.0	90			4214
1.0			0.0	48	8" sand stone gravel (~55mm average) grain size larger...	SM	4565
1.5			0.0	96	Sand w/ silt and gravel: dark yellowish brown (10YR 3/6), 70% fine to med. sand, 10% med sand w/ quartz grains, 10% silt, 10% sandstone gravel, moist, non cohesive, loose. @ 1' bgs depth no odor or staining	SP/Bedrock	5072
2.0					poorly graded sand/sandstone bedrock (10YR 5/4), moist, fine and medium subrounded sand grains, mechanically weathered to SP	SP/Bedrock	
3.0							
4.0							
5.0							
6.0							

no GW encountered  
Total depth = 1.5' bgs  
refusal on sandstone  
location not moved  
no anomalies

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: NBZ	Location ID: 10
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 6.75 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/12/12 1334	Date/Time Total Depth Reached: 3/12/12 1344	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90013 -1415	
Geologist: I Stone	Checked By / Date: J Robbins Goldman 3/13/12			

Radiological Background: 16 / 2413 / 54	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. 0.5 = 2903 (CPM)	
0.0			0.0	72	Sandy Silt, Dark Yellowish Brown (4/4 10YR), 40% fine sand, 60% silt, trace rootlets, <del>no odor</del> dry, low toughness, low strength, no odor or staining	ML	3107	
0.5			0.0	72			4266	
1.0			0.0	60			4676	
			0.0	54			4936	
2.0			0.0	66			4873	
			0.0	78			4928	
3.0			0.0	54	Silty Sand, <del>Dark Yellowish</del> Brown (4/3 10YR) 70-80% fine sand, 30% silt, moist, med dense, no odor or staining	SM	3	4986
			0.0	66			4924	
4.0			0.0	66			4825	
			0.0	54			4763	
5.0			0.0	72			4739	
			0.0	60			4846	
6.0			0.0	48	Same as above	SM	6	4762

Project Name: SSFL Area IV Radiological Study			Project Number: EP038.01.22.04.03	Subarea: NBE	Group: west	Location ID: 10	
Radiological Background: 16 / 2413 / 54			Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm		
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
6.0			0.0	40	Silty Sand, same as above	SM	4762
			0.0	54	Sand (weathered sandstone) yellowish brown (5/6 10/40) 95% fine sand, 5% silt, moist, high dense, no odor or staining	SP	4901
7.0							
8.0							
9.0							
10.0							
11.0							
12.0							
13.0							

TD = 6.75 ft bgs  
 no gw. encountered  
 refusal on sandstone  
 NO anomalies detected

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: West	Location ID: 11		
Drilling Company: HGL		Driller: J. LeVangie	Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.			
Drilling Equipment: Trowel/Shovel		Borehole Diameter: N/A	Date/Time Drilling Started: 4/12/12 1058	Date/Time Total Depth Reached: 4/12/12 1108 0.5				
Type of Sampling Device: Trowel/Shovel		Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)			90014 (1108)			
Geologist: LR Goldman		Checked By / Date: LR Goldman & Sarah 4/13/12						
Radiological Background: 12/30/78		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm				
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)		USCS Symbol	Borehole Gamma Readings (CPM)
0.0	12.3/66		0.0	14/96	<p>Surface: stem &amp; weeds, sparse weeds</p> <p>sandy silt: dark brown (10YR 3/3), 85% fine sand, 15% silt, moist, noncohesive, no odor or staining</p> <p>trace rootlets + charcoal flakes</p> <p>TD = 0.5' bgs no GW encountered location not moved</p>		SM	
0.5								
1.0								
2.0								
3.0								
4.0								
5.0								
6.0								

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: west	Location ID: 11	
Drilling Company: HGL		Driller: J. LeVangie		Ground Elevation: NA		Total Depth Drilled: 2 ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 2.75 inches		Date/Time Drilling Started: 4/12/12 1058		Date/Time Total Depth Reached: 4/12/12 1158	
Type of Sampling Device: Handauger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: L Robbins Goldman				Checked By (Date): C. Garza 4/13/12			
Radiological Background: 12/30/7/81		Radiological Equipment Used: Micro / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm			

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			66	← <del>skt</del> pancake	surface: sersent weeds, sparse weeds		
0.5			90		Sandy silt: dark brown (10YR 3/3), 85% fine sand, 15% silt, moist, non cohesive, no odor or staining, trace rootlets + charcoal flakes	SM	3332
1.0			66		18" unit same as above, note color change: dark yellowish brown (10YR 4/4), no rootlets present		3761
2.0			108				4863
2.5			54		Sandstone bedrock: dark yellowish brown (10YR 4/4) moist, coarse, med. fine grained mechanically weathered to SP	Best Rock (SP)	5588
3.0					TP = 24.5' bgs Refusal on sandstone no anomalies location not moved		5402
4.0							
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: <i>NA</i>	Location ID: 12
Drilling Company: HydroGeoLogic, Inc.	Driller: <i>M. Birney</i>	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 09/10	Date/Time Total Depth Reached: 04/19/12 / 0943 / 0.5 ft bgs	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90016 / (0925)	
Geologist: <i>Garcia</i>	Checked By / Date: <i>W. M. ... 4/20/12</i>			

Radiological Background: <i>NA/2417</i>	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.4				<i>43</i>	Surface: leaf litter, vegetation, grass, soil surface			
0.5			<i>0.6</i>	<i>35</i> <i>54</i> <i>33</i>	Silty sand 60% fine sand 20% M sand 20% silt nonplastic, Loose, noncohesive (5YR/3/1) Very Dark Gray! Rootlets, Moist, NO odor or staining			
<p>Total Depth 0.5 ft bgs No groundwater encountered.</p>								

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: WST	Location ID: 12
Drilling Company: HydroGeoLogic, Inc.		Driller: M. Hines	Ground Elevation: NA		Total Depth Drilled: 3 ft ft bgs.
Drilling Equipment: Hand Auger		Borehole Diameter: 3 inches	Date/Time Drilling Started: 08:50	Date/Time Total Depth Reached: 4/19/12 / 09:22 (3 ft bgs)	
Type of Sampling Device: Hand Auger		Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90017 (0940)	
Geologist: C. Garcia		Checked By / Date: C. Garcia 4/20/12			
Radiological Background: NA 247/12		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.0 ppm	

Depth (ft-bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings 3303 0.5+ (CPM)
0.0			0.4	46	Surface: leaf litter, grass, sandstone, vege			3425
0.5			0.6	54	Silty sand 60% fines and 20% med sand 20% silt, non plastic, non cohesive, loose, very dark gray (5YR/3/1) moist, no odor or staining	SM		3827
1.0			3.2	78				4484
2.0			0.4	60	Organic Clay (5YR/3/1) 90% Clay 10% Fine sand Very Dark gray, organic odor no staining, Rootlets, wet, cohesive plastic, dense, organic s.s. stiff	OH		4901
			0.0	78				5159
			0.1	54				5058
3.0			0.1	78	mechanically weathered Bedrock sandstone Bedrock. no odor or staining. 36 ft bgs	(CP)		5411
4.0								
5.0								
6.0								

Total depth reached 3 ft  
No groundwater encountered.

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: West	Location ID: B		
Drilling Company: HGL		Driller: J. LeVangie		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.		
Drilling Equipment: Trowel/Shovel		Borehole Diameter: N/A		Date/Time Drilling: Started: 4/14/12 0955		Date/Time Total Depth Reached: 4/16/12 1005		
Type of Sampling Device: Trowel/Shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90018(1005)				
Geologist: Robbins Goldman				Checked By / Date: Cliff Knipf 4/17/12				
Radiological Background: 143324/SE		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background:		0.0 ppm		
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)		USCS Symbol	Borehole Gamma Readings (CPM)
					<p>MR/pancake</p> <p>Surface: soil, wooden twigs, sparse weeds</p> <p>Sand w/ silt: black (10YR 2/1) wet, noncohesive, 70% fine sand, 15% med sand, 15% silt, trace rootlets &amp; sticks, GW encountered @ 6" <sup>very</sup> loose</p> <p>TD = 0.5' bgs GW encountered @ 6" <u>location not moved</u></p>			
0.5			00	14/66			SM	
1.0			00	14/54				
2.0								
3.0								
4.0								
5.0								
6.0								

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: West	Location ID: 13
Drilling Company: HGL	Driller: J. LeVangie	Ground Elevation: NA	Total Depth Drilled: 1.6 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 2.75 inches	Date/Time Drilling Started: 4/16/12 1006	Date/Time Total Depth Reached: 4/16/12 1025	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90019(1025)	
Geologist: Robbins Goldman	Checked By / Date: Cliff Rumbolt 4/17/12			

Radiological Background: 14/3324/58	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rac 2000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. +0.5 = NM* (CPM)
0.0			0.0	66	Sand w/ silt: black (10YR2/1), wet, noncohesive, 70% fine sand, 15% med sand, 15% silt, trace, rootlets & sticks, GW encountered @ 6", very loose	SM	NM
0.5			0.0	54			NM
1.0			0.0	54			NM
2.2			0.0	56			refusal @ 19" on sandstone bedrock: dark brown (10YR3/3), mechanically weathered to SP, moist, med. dense
<p>Total depth = 19"</p> <p>Groundwater encountered @ 6" bgs,</p> <p>* no downhole gamma readings due to water in hole</p> <p><u>location not moved</u></p>							

Project Name: SSFL Area IV Radiological		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: West	Location ID: 14	
Drilling Company: Geo Head		Driller: M Birney		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/shovel		Borehole Diameter: NA		Date/Time Drilling Started: 09:55 4/7/12		Date/Time Total Depth Reached: 10:00 / 0.5	
Type of Sampling Device: Trowel/shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90020 1010			
Geologist: C Garcia				Checked By / Date: Cliff Knight 4-19-12			
Radiological Background: 3991 / 79		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 00 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			72	4185	Surface: sandstone soil, Moss, vegetation Silty sand, Dark Brown (7.5yr/3/2) noncohesive, loose; no odor or staining non plastic, 60% Fine sand, 30% 19% Med sand; 20% silt; Moist 0% gravel	SM	
0.5			60	3705			
1.0							
2.0							
3.0							
4.0							
5.0							
6.0							

Total Depth 0.5ft bgs  
no groundwater  
encountered.

Location GPS:  
N34 1401.0655  
W 118 42 58.0671  
Location moved due to access.

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBE	Group: West	Location ID: 14 CG
Drilling Company: HGL	Driller: M Givney	Ground Elevation: NA	Total Depth Drilled: 0.57 ft CG Conches ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 10 11	Date/Time Total Depth Reached: 4/17/12 10 12 CG Conches ft bgs.	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		No sample shallow refusal. 90021	
Geologist: C Garcia	Checked By / Date: W. K. [Signature] 4-18-12			

Radiological Background: 2991	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0	0.0 - 0.5		0.0	73 4185	Surface: Moss, soil sandstone vegetation silty sand, Dark Brown, non cohesive loose, non plastic, no odor or staining, 60% Fine sand, 19% mud sand, 1% gravel, 20% silt, Moist (7.5YR/3.5) rootlets	SM		
0.5			0.0	66 3705				
1.0								
2.0								
3.0								
4.0								
5.0								
6.0								

Total Depth 0.57 ft CG  
No groundwater encountered  
No sample taken  
Shallow refusal.  
no anomalies





# SSFL BORING LOG

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: West	Location ID: 16
Drilling Company: HGL	Driller: J. LeVangie	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: N/A	Date/Time Drilling Started: 4/20/12 1150	Date/Time Total Depth Reached: 4/20/12 1205	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90024 (1200)	
Geologist: Robbins Goldman		Checked By / Date: Cliff [Signature] 4/13/12		

Radiological Background: 14 / 3550 / 49	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description <small>(Include lithology, grain size, sorting, angularity, Munsell color name &amp; notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)</small>	USCS Symbol	Borehole Gamma Readings <small>(CPM)</small>
0.0			0.1	15/96	silty sand: very dark brown (10YR 3/1), 65% fine sand, 35% silt, very loose, noncohesive, trace rootlets, mica flakes, no odor or staining. (dry)  no GW encountered TD = 0.5' bgs location not moved	SM	
0.5			0.1	16/60			
1.0							
2.0							
3.0							
4.0							
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NB2		Group: West		Location ID: 116	
Drilling Company: HGL		Driller: J. LeVangie		Ground Elevation: NA		Total Depth Drilled: 1.81 (22") ft bgs.			
Drilling Equipment: Trowel/Shovel + hand auger		Borehole Diameter: N/A		Date/Time Drilling Started: 4/20/12 1156		Date/Time Total Depth Reached: 4/20/12 1235			
Type of Sampling Device: Trowel/Shovel @ hand auger		Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90025 (1232)					
Geologist: L Robbins Goldman		Checked By / Date: Cliff Lumbert 4/23/12							
Radiological Background: 14/3550/49		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background:		0.0 ppm			

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. 105 = 3424 (CPM)
0.0			90	pancake	surface: twigs + leaves		3481
0.5			60		silty sand: very dark brown (10YR 3/1), 65% fine sand, 35% silt, very loose, noncohesive, trace rootlets, no odor or staining, dry	SM	4070
1.0			54		silty sand: very dark grayish brown (10YR 3/2), 65% fine sand, 20% med. sand, 15% silt, very loose, noncohesive, trace rootlets + roots, leaves mica flakes, no odor or staining	SM	4649
2.0			54				5137
			NM	NM	22": sandstone bedrock: olive brown (2.5Y 4/4), moist, dense, no odor or staining, mechanically weathered to SP	Bedrock (SP)	@ 22" → 5290
3.0					no GW encountered		
					TD = 1.81 bgs		
					no anomalies		
					location not moved		
4.0							
5.0							
6.0							

Project Name: SSFL Area IV Radiological		Project Number: EP038.01.22.04.03		Subarea: N34.14	Group: 01.3303	Location ID: 17	
Drilling Company: Beart Drilling		Driller: Wade Murray		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/shovel		Borehole Diameter: NA		Date/Time Drilling Started: 1355	Date/Time Total Depth Reached: 4/19/12 1357	0.5	
Type of Sampling Device: Trowel/shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: C. Garcia				Checked By / Date: Wade Murray 4/20/12			
Radiological Background: NA 1500/100		Radiological Equipment Used: Micro Rn / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Description		USCS Symbol	Borehole Gamma Readings (CPM)
0.0				Surface: leaf litter, poison oak, tree branches			
0.0				Silty sand (5 parts/1) very dark gray		SM	
0.5				70% fine sand 15% silt sand			
1.0				15% silt, Rootlets, Loose, Dry, no odor or staining, non-plastic, non-cohesive			
2.0							
3.0							
4.0							
5.0							
6.0							

Total Depth 0.5 ft bgs  
 Moved location due to  
 N34.14 01.3303 need  
 W118.42 50.7204 place-  
 ment  
 lat-long. in  
 drainage.

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea:NBZ	Group: <i>West</i>	Location ID: 17
Drilling Company: HydroGeoLogic, Inc.	Driller: <i>McKinney</i>	Ground Elevation: NA	Total Depth Drilled: <del>2.58</del> 2.58 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3 inches	Date/Time Drilling Started: 1/4/01 4/19/12/1415	Date/Time Total Depth Reached: 2.58 ft 31 inches	
Type of Sampling Device: Hand Auger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90027 (1430)	
Geologist: <i>Garcia</i>	Checked By / Date: <i>Chris Smith 4/20/12</i>			

Radiological Background: <i>NA 3550/67</i>	Radiological Equipment Used: Micro R / Pancake Meters	PID Used: Mini Rae 3000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Description	USCS Symbol	Borehole Gamma Readings (CPM)
0.0				Surface leaf litter, tree leaves, twigs		3300
0.0			72	Silty Sand, (5 yr/3/1) Very dark gray, 70% Fine Sand, 15% Med sand 15% silt	SM	3511
0.0			102	Dry, lumpy, loose, no odor or staining, non cohesive, non plastic		3987
0.0			48			4769
0.0			42			5025
0.0			60	Silty sand (10 yr/3/2) Very dark gray, 70% Fine sand, 30% med sand, 10% silt	SM	5053
0.5			74	20% silt, 10% gravel, sub rounded, non cohesive, mechanically weathered	EP	5191
				Bedrock on sandstone		
Total Depth Reached 31 inches No groundwaters encountered No anomalies						

Project Name: SSFL Area IV Radiological		Project Number: EP038.01.22.04.03		Site: <del>NA</del> <del>West</del>		Location ID: K8	
Drilling Company: HGL		Driller: H. H. Hiney		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/shovel		Borehole Diameter: NA		Date/Time Drilling Started: 11/25/12		Date/Time Total Depth Reached: 12/2/12 11:30 / 0.5	
Type of Sampling Device: Trowel/shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90024 (11/25)			
Geologist: C. Camp				Checked By / Date: C. Camp 4/23/12			
Radiological Background: NA 100/05		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Description Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc. as applicable		USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	Surface soil covered with vegetation			
0.5			0.0	Silty sand, (FSL/1) very dark gray		SM	
1.0				40% fine sand to med sand			
2.0				20% silt; Rootlets, loose, dry, non plastic, non cohesive, no odor or staining			
3.0							
4.0							
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: WEST	Location ID: 16
Drilling Company: HydroGeoLogic, Inc.		Driller: M. B. Carey	Ground Elevation: NA		Total Depth Drilled: 1 ft bgs.
Drilling Equipment: Hand Auger		Borehole Diameter: 3 inches	Date/Time Drilling Started: 11/20/06	Date/Time Total Depth Reached: 4/20/12 / 11:34 / 1 ft.	
Type of Sampling Device: Hand Auger		Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90029 (155)	
Geologist: C. Garcia		Checked By / Date: W. J. Smith 4/23/12			
Radiological Background: NA / 3400 / 105		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.0 ppm	

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			54	Surface Soil			53403
0.5			102		silty sand, (7.5 yr / 3/1) very dark gray 40% fines sand 40% med sand dry 20% silt loose noncohesive non plastic no odor or staining	SM	3494
1.0			160		Mechanically weathered sandstone		5192
2.0							5692
3.0							
4.0							
5.0							
6.0							

Total Depth 1 ft bgs  
No anomalies.  
No groundwater encountered.



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: na	Location ID: 19
Drilling Company: HydroGeoLogic	Driller: T. Morse	Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.
Drilling Equipment: Trowel/shovel	Borehole Diameter: NA	Date/Time Drilling Started: 3/13/12 1343	Date/Time Total Depth Reached: 3/13/12 1349	
Type of Sampling Device: Trowel/shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90030-1350	
Geologist: I. Stone	Checked By / Date: J. Robbins / Goldman 3/14/12			

Radiological Background: 17 / 3283 / 94	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	17/94	Sand w/ Silt, Yellowish Brown (5/4 104R) 90% fine sand, 10% silt, trace concrete debris, trace roots, dry, low dense, no odor or staining  TD = 0.5 ft bgs no gas encountered	SP	
0.5		0.0	18/54				
1.0							
2.0							
3.0							
4.0							
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: NBZ	Location ID: 19
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 5 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time, Drilling Started: 3/13/12 1352	Date/Time Total Depth Reached: 3/13/12 1403	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90031-1435	
Geologist: I. Stone	Checked By / Date: Robina Goldman 3/14/12			

Radiological Background: 17 / 3283 / 94	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings Feet bgs.
					Description AF: Artificial Fill (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)		+0.5' = 3391 (CPM)
0.5			0.0	78	Sand w/ silt, Yellowish Brown (5/14/04R) 90% fine sand, 10% silt, trace concrete debris, trace roots, dry, low dense, no odor or staining	AF/ SP	3810
			0.0	66	<del>Sand as above</del> (23)		5117
1.0			0.0	84	Sand w/ silt, 90% fine sand, 10% silt, moist med dense	SP	5676
			0.0	78	Sand (23)		5716
2.0			0.0	54	Sand (weathered sandstone), Very Pale Brown (7/4 10/12)		5647
			0.0	66	95% fine sand, 5% silt, moist, high dense, no odor or staining	SP	5101
3.0			0.0	48			5165
			0.0	54			5396
4.0			0.0	54			5551
			0.0	60			5428
5.0			0.0	66			NM
6.0					TD: 5 ft bgs no gas encountered Reveal on sandstone		

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: <i>West</i>	Location ID: <i>20</i>	
Drilling Company: HydroGeoLogic, Inc.		Driller: <i>M. Birney</i>		Ground Elevation: NA		Total Depth Drilled: <i>0.5</i> ft bgs.	
Drilling Equipment: Trowel/Shovel		Borehole Diameter: NA		Date/Time Drilling Started: <i>1340</i>		Date/Time Total Depth Reached: <i>4/4/2012/1350/0.5ft bgs</i>	
Type of Sampling Device: Trowel/Shovel				Samples Collected: <i>90037 (1358)</i>			
Geologist: <i>Garcia</i>				Checked By / Date: <i>Robbins, Goldman 4/5/12</i>			
Radiological Background: <i>NA/5400/30</i>		Radiological Equipment Used: Micro R, Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background:		<i>0.0</i> ppm	
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			<i>112</i>	<i>5500</i>	<p>Surface: leaves, sandstone, rat poop, rusted bottom (can)</p> <p>Sand; Dark Brown (7.5 YR/3/2); loose; Dry; cohesive non-plastic no odor or staining; 50% fine sand 40% med sand 10% silt</p> <p><i>poorly graded sand with silt</i></p>	<i>SP</i>	
<p>Total Depth 0.5 ft bgs No groundwater encountered.</p>							

Project Name: SSFL Area IV Radiological Study	Project Number: EP088.01.22.04.03	Subarea: NBZ	Group: WEST	Location ID: 20
Drilling Company: HydroGeoLogic, Inc.	Driller: M Birney	Ground Elevation: NA	Total Depth Drilled: 4 ft ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3 inches	Date/Time Drilling Started: 1355	Date/Time Total Depth Reached: 4/4/12 / 1515 / 4 ft	
Type of Sampling Device: Hand Auger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90033 (1525)	
Geologist: Caricia	Checked By / Date: M. [unclear] 4/5/12			

Radiological Background: N/A 15400 / 80	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0	0.0	112	112		Surface, leaves, sandstone; Kat Pool <sup>related can bottom</sup>		5277
0.5	0.0	102	102		Dark brown; (7.5 yr / 3/2); loose; dry cohesive; nonplastic; no odor or staining; 50% fine sand 40% med sand 10% silt; sand with salt.	CP	5157
1.0	0.0	84	84		Very dark brown; (7.5 yr / 2.5/2); cohesive; nonplastic; 80% fine sand 15% silt; 5% med sand; no odor or staining;	GM CG	5297
2.0	0.0	108	108		Silty sand; very dark brown; (7.5 yr / 2.5/2) dry; loose; cohesive; nonplastic;	GM CG	5871
3.0	0.0	90	90		75% fine sand; 15% silt 10% med sand; no odor or staining	CG	5867
3.5	0.0	90	90		Silty sand; very dark brown; (7.5 yr / 2.5/3); dry; loose; cohesive; nonplastic; no odor or staining; roots	GM CG	5872
4.0	0.0	74	74		tree roots (reddish) silty sand 60% fine sand 25% coarse sand 15% silt; dark brown; no odor or staining; loose dry sweet	GM CG	0707
4.5	0.0	74	74		smell in sandstone bedrock at 3.5 ft depth	GM CG	0400
5.0	0.0	74	74		mechanically weathered sandstone		
6.0	0.0	74	74		Bedrock total depth reached 4.0 ft No ground water encountered No anomalies		



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: na	Location ID: 21
Drilling Company: HydroGeoLogic	Driller: T. Morse	Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.
Drilling Equipment: Trowel/shovel	Borehole Diameter: NA	Date/Time Drilling Started: 3/13/12 1520	Date/Time Total Depth Reached: 3/13/12 1525	
Type of Sampling Device: Trowel/shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90034-1530	
Geologist: I. Stone		Checked By / Date: Shoblin Goldman 3/14/12		

Radiological Background: 30 / 300 / 91	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.0	20/91	NA/Pancake			
0.5			0.0	24/66	Sandy Silt, Yellowish brown (5/4 10YR) 60% @ 40% fine sand, 60% silt, trace fossils, dry, low toughness, low strength, slow dilatancy, no odor or staining	ML	1	
1.0								
2.0							2	
3.0							3	
4.0							4	
5.0							5	
6.0							6	

TD=0.5 ft bgs  
no gw encountered

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: NBZ	Location ID: 21
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA		Total Depth Drilled: 7 ft bgs.
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/13/12 1527	Date/Time Total Depth Reached: 3/13/12 1537	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: 90035 - 1610 One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: I. Stone	Checked By / Date: Robbin Goldman 3/14/12			

Radiological Background: 20 / 3030 / 91	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	59 72	Sandy silt, Yellowish brown (5/4 10YR) 60% silt, 40% fine sand, trace rootlets, dry, low strength, low dilatancy, no odor	ML	3692 5583
0.5			0.0	78 66	Silty sand, Strong Brown (5/6 7.5YR) 60% fine sand, 40% silt, dry, med dense, slow dilatancy, no odor or skinning	SM	6040 5977
1.0			0.0	66 60			6156 6093
2.0			0.0	59 66			6016 5939
3.0			0.0	60 72			5830 5898
4.0			0.0	78 72			6144 6063
5.0			0.0	54			6006
6.0			0.0	78	Same as above	SM	





Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: NBZ	Location ID: 22
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 10 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/14/12 0910	Date/Time Total Depth Reached: 3/14/12 0920	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90037 - 1015	
Geologist: I. Shaw	Checked By / Date: Cliff Knight 3/15/12			

Radiological Background: 18 / 2588 / 67	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.5			0.0	42	Silty Sand, Yellowish brown (5/6 104R) 60% fine sand, 40% silt, trace gravel, trace debris (wire), trace pebbles, low dense, no odor or staining, dry	AF/SM	3544
			0.0	84			4280
1.0			0.0	66	Sand, Yellow (7/6 104R) 60-70% fine sand, 30% medium sand, dry, moist, med dense, no odor or staining	SP	4099
			0.0	84			4589
2.0			0.0	72			4666
			0.0	60	Silty Sand, Dark yellowish brown (4/4 104R) 60% fine sand, 40% silt, moist, med dense, no odor or staining	SM	5010
3.0			0.0	60	Sand w/silt, Brownish Yellow (6/6 104R)	SP	5208
			0.0	66	90% fine sand, 10% silt, moist, med dense, no odor or staining		5593
4.0			0.0	66			5670
			0.0	60			5817
5.0			0.0	84	Silty Sand, Strong brown (4/6 7.54R)	SM	5684
			0.0	60	60% fine sand, 40% silt, moist, med dense, no odor or staining		5713
6.0			0.0	48			5908



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: na	Location ID: 23
Drilling Company: HydroGeoLogic	Driller: T. Morse	Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.
Drilling Equipment: Trowel/shovel	Borehole Diameter: NA	Date/Time Drilling Started: 3/14/12 1132	Date/Time Total Depth Reached: 3/14/12 1138	
Type of Sampling Device: Trowel/shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90038-1140	
Geologist: I. Stone	Checked By / Date: Cliff Knight 3/15/12			

Radiological Background: 19 / 3506 / 68	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background:	8.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs. Borehole Gamma Readings (CPM)
0.5			6.0	20/72	<p>Silty Sand, Yellowish Brown (5/4 10PR) 60% fine sand, 40% silt, trace rootlets, dry, low dense, no odor or staining</p> <p>TD = 0.5 ft bgs no gw encountered</p>	SM	
0.0		0.0	20/102				
1.0							1
2.0							2
3.0							3
4.0							4
5.0							5
6.0							6

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: NBZ	Location ID: 23
Drilling Company: Boat Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 9.5 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/14/12 1141	Date/Time Total Depth Reached: 3/14/12 1158	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: 90039 - 1245 One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: I. Stone	Checked By / Date: D.J. Knight 3/15/12			

Radiological Background: 19 / 3506 / 68	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. +0.5' = 3293 (CPM)
0.0			0.0	78	Silty Sand, Yellowish brown (5/4 10YR)	SM	4160
0.5			0.0	54	60% fine sand, 40% silt, dry, trace rootlets (top 12"), low dense, no odor or staining		4601
1.0			0.0	72	Silty Sand, Yellowish Brown (5/4 10YR)	SM	5249
			0.0	96	60% fine sand, 40% silt, dry, med dense no odor or staining		5362
2.0			0.0	96			5345
			0.0	84			5383
3.0			0.0	66			5428
			0.0	60		SM	5489
4.0			0.0	54			5564
			0.0	66			5637
5.0			0.0	42	Silty Sand, light yellowish brown (6/4 10YR)	SM	5850
			0.0	66	75% fine sand, 25% silt, dry, med dense, no odor or staining		5666
6.0			0.0	42	same as above	SM	5657

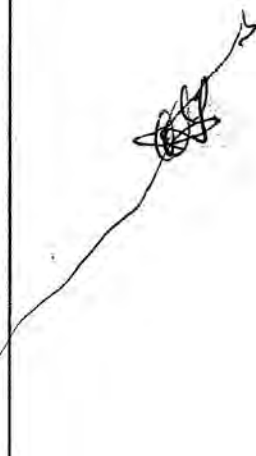






Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ		Group: <i>West</i>		Location ID: <i>NBZ-25</i>	
Drilling Company: HydroGeoLogic, Inc.		Driller: <i>M Birney</i>		Ground Elevation: NA		Total Depth Drilled: <i>0.5</i> ft bgs.			
Drilling Equipment: Trowel/Shovel		Borehole Diameter: NA		Date/Time Drilling Started: <i>1353</i>		Date/Time Total Depth Reached: <i>04/07/2012/1354/0.5ft.</i>			
Type of Sampling Device: Trowel/Shovel		Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		<i>90042 (1358)</i>					
Geologist: <i>C Garcia</i>		Checked By / Date: <i>Will Thummet 4/4/12</i>							

Radiological Background: <i>NA / 3713 / 100</i>		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: <i>0.0</i> ppm	
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description <small>(Include lithology, grain size, sorting, angularity, Munsell color name &amp; notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)</small>	USCS Symbol	Feet bgs.	Borehole Gamma Readings <small>(CPM)</small>
0.0					Surface cross scattered; sandstone			
0.5				<i>3675</i>	silty sand; light brown; (7.5YR/6/3) Loose 90% med sand 5% silt. 4% cohesive 5% fine sand 3% nonplastic Dry no odor or staining	SM		
1.0					<p>Total Depth Reached 0.5ft No groundwater encountered.</p> 			
2.0								
3.0								
4.0								
5.0								
6.0								

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ		Group: <i>West</i>		Location ID: <i>NBZ-25</i>	
Drilling Company: HydroGeoLogic, Inc.		Driller: <i>M. Birney</i>		Ground Elevation: NA		Total Depth Drilled: <i>20 inches 1.66 ft bgs.</i>			
Drilling Equipment: Hand Auger		Borehole Diameter: 3 inches		Date/Time of Drilling Started: <i>04/02/2012 1420</i>		Date/Time Total Depth Reached: <i>1420 / 20 inches</i>			
Type of Sampling Device: Hand Auger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) <i>90043 (1430)</i>					
Geologist: <i>C. Garcia</i>				Checked By / Date: <i>Chill Knight 4/4/12</i>					
Radiological Background: <i>NA / 5713 / 100</i>		Radiological Equipment Used: Micro R / Downhole / Pancake Meters			PID Used: Mini Rae 3000 - Background: <i>0.0</i> ppm				

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.0		Surface: scattered grass; sandstone		0.5	3534
0.5			0.0		0.5-1.0 ft: silty sand; light brown (7.5YR/6/3) loose; cohesive; non-plastic; no odor or staining; 90% med sand; 5% fine sand; 5% silt; Dry.	SP	1.0	3531
1.0			0.0		1.0-1.5 ft: same as above only color change to (7.5YR/5/6) strong brown.	SP	1.5	4588
1.5			0.0		1.5-2.0 ft: sandstone bedrock mechanically weathered bedrock. (7.5YR/6/6) reddish yellow silty sand.	bedrock (SP)	2.0	5817
2.0							2.5	5003
3.0							3.0	
4.0							4.0	
5.0							5.0	
6.0							6.0	

Total Depth Reached *1.66 ft*  
*20 inches*  
 No groundwater encountered  
 No Anomalies

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: West	Location ID: 26	
Drilling Company: HydroGeoLogic, Inc.		Driller: C Garcia		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel		Borehole Diameter: NA		Date/Time Drilling Started: 1245 4-2-12		Date/Time Total Depth Reached: 1255 4-2-12	
Type of Sampling Device: Trowel/Shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: M Bimer				Checked By / Date: Cliff Knight 4/4/12			
Radiological Background: NA / 3984 / T3		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	69/512	Surface - scattered weeds		
0.5			0.0	85/400	Silty sand, dark yellowish brown (10gr 4/6) 70% fine sand, 20% coarse sand, 10% silt, dry, loose, cohesive, low-n plasticity, no odor, no staining, trace rootlets	SM	
1.0							
2.0							
3.0							
4.0							
5.0							
6.0							

no groundwater

TD = 0.5'



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: <i>West NBZ-07</i>	Location ID:
Drilling Company: HydroGeoLogic, Inc.	Driller: <i>M. Birney</i>	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 0945 04/02/2017	Date/Time Total Depth Reached: 0950	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90046 (1000)	
Geologist: <i>Carroll</i>	Checked By / Date: <i>Chris Knight 4-4-12</i>			

Radiological Background: NA / 2431 / 50	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.0		Surface: <i>crassy; <sup>upper</sup> Damag; Soil; Mulch.</i>			
0.5			0.0	<i>3150</i>	<i>Silty sand Very dark brown (7.5 yr/2.5 B) 80% Fine sand; 5% med sand 15% silt. no odor or staining; loose; cohesive; non plastic; dry;</i>	<i>SM</i>		
1.0				<i>112</i>				
2.0				<i>5400</i>				
3.0								
4.0								
5.0								
6.0								

*Total Depth 0.5ft.  
No Groundwater encountered.*

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Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: West	Location ID: UB E-27
Drilling Company: HydroGeoLogic, Inc.	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 2.5 ft. ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3 inches	Date/Time Drilling Started: 0954	Date/Time Total Depth Reached: 04/02/2012 / 2.5 ft. / 1000	
Type of Sampling Device: Hand Auger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90047 (1030)	
Geologist: C. Coaricia		Checked By / Date: Cliff Thumtha 4/4/12		

Radiological Background: NA 2531 / 50	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	78 / 3150	Surface: Corrasny; <sup>w/pebbles</sup> Drainage; soil; mulch		2854
0.5			0.0	112 / 3400	Silty sand; Dark Brown; (7.5 yr / 2.5 / 3) Loose; No odor or staining; Dry; Cohesive; non-plastic; 40% Fine sand; 5% med sand; 15% silt	SM / CL / CO	2934
1.0			0.0	60	Silty sand; Brown; (7.5 yr / 4 / 2) Loose; Dry; 85% Fine sand; 2% med sand; 13% Silt	SM / CL / CO	3945
			0.0	60	No staining or odor; Cohesive; plastic.	SP	4501
2.0			0.0	60	Silty sand; (7.5 yr / 6 / 3) Light Brown loose cohesive; non plastic; No staining or odor	CL / CO / SP	4963
			0.0	48	Dry; 80% Fine sand; 8% med sand; 12% silt.	SP	5655
3.0					sandstone Mechanically Weathered Bedrock.	Bedrock (SP)	
4.0							
5.0							
6.0							

Total Depth 2.5ft  
No groundwater encountered.  
No Anomalies.

Project Name: SSFL Area IV Radiological Study	Project Number: EP088.01.22.04.03	Subarea: NBZ	Group: West	Location ID: NBZ-28
Drilling Company: HydroGeoLogic, Inc.	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 0908 4/2/2012/0915	Date/Time Total Depth Reached:	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90048 (0930 <sup>00</sup> )	
Geologist: C. Carver	Checked By / Date: Will Knight 4/4/12			

Radiological Background: NA / 2011 / 14	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.0	60	Surface: Grassy; mulch; sandstone			
0.5			0.0	30-50	Silty sand; dark brown; (7.5 yr/3/3) loose; cohesion; non plastic; dry; no odor or stain	SM		
1.0			0.0	60	80% fine sand 15% silt; 5% med sand;			
Total Depth 0.5 ft No groundwater encountered.								

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: <i>West</i>	Location ID: <i>NBZ-28</i>
Drilling Company: HydroGeoLogic, Inc.	Driller: <i>McIney</i>	Ground Elevation: NA	Total Depth Drilled: <i>1 ft.</i> ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3 inches	Date/Time Drilling Started: <i>0910 06/22 4/2/012 / 0930</i>	Date/Time Total Depth Reached: <i>0935</i>	
Type of Sampling Device: Hand Auger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		<i>90949 (0935)</i>	
Geologist: <i>C Garcia</i>	Checked By / Date: <i>Chill Thumt 4/4/12</i>			

Radiological Background: <i>NA / 2559 / 44</i>	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: <i>0.0</i> ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			<i>0.0</i>	<i>60 / 3050</i>	Surface: <i>Crassy; Mulch; and sandstone</i>		<i>0.5 ft</i>	<i>2726</i>
0.5			<i>0.0</i>	<i>60 / 3390</i>	<i>Silty sand; Dark Brown; (7.5/3/3) loose no odor or staining, cohesive, nonplastic</i>	<i>SM</i>		<i>2804</i>
1.0			<i>0.0</i>	<i>60 / 3390</i>	<i>Dry to fine sand 50% med sand, 19% silt</i>			<i>3499</i>
1.0			<i>0.0</i>	<i>60 / 3390</i>	<i>Mechanically weathered Bedrock sandstone</i>	<i>Bedrock (SP)</i>		<i>4729</i>
<p><i>Total Depth reached 1 ft.</i></p> <p><i>Sample Depth <del>0.0-0.6</del> 0.5-1.0 ft</i></p> <p><i>No groundwater encountered.</i></p> <p><i>No Anomalies</i></p>								



# SSFL BORING LOG

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: A172	Location ID: 29
Drilling Company: Boat Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 2.5 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/15/12 0912	Date/Time Total Depth Reached: 3/15/12 0919	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: 90051 - 0940 One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: I. Stone	Checked By / Date: Robbins Goldman 3/16/12			

Radiological Background: 13 / 2850 / 65	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. +0.5' = 2750 (CPM)
0.5			0.4	54	Silty Sand, Dark Yellowish Brown (4/4 104R) 60% fine sand, 40% silt, trace gravel, trace pebbles, dry, low dense, no odor or staining	SM	2893
1.0			0.4	66	Sandy silt/clay, Yellowish brown (5/4 104R) 30% fine sand, 60% silt, 10% clay, dry, low tough, low strength, no odor or staining	ML	3648
1.5			0.4	66			4499
2.0			0.4	60	Silty Sand, Brownish yellow (6/6 104R) 60% fine sand, 35% 40% silt, dry, med dense, no odor or staining	SM	4902
2.5			0.4	72			4961
3.0			0.4	54	Silty Sand, Brownish yellow (6/8 104R) 30% fine sand, 20% silt, dry, med-high dense, no odor or staining, trace pebbles	SM	NM (unable to widen)
4.0					TD = 2.5 ft bgs no gw encountered no anomalies detected		
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: na	Location ID: 30	
Drilling Company: HydroGeoLogic		Driller: T. Morse		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/shovel		Borehole Diameter: NA		Date/Time Drilling Started: 3/14/12 1451		Date/Time Total Depth Reached: 3/14/12 1459	
Type of Sampling Device: Trowel/shovel				Samples Collected: 90052 - 1500 One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: I. Stone				Checked By / Date: Cliff Knight 3/15/12			

Radiological Background: 16 / 2767 / 76	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs. Borehole Gamma Readings (CPM)
0.0			0.0	16/76	Silty Sand, Dark Yellowish Brown (4/4 (0.25)) 60% fine sand, 40% silt, trace gravel, concrete, dry, low dense, no odor or staining  FD: 0.5 ft bgs no gw encountered	SM	
0.5			0.0	18/84			
1.0							1
2.0							2
3.0							3
4.0							4
5.0							5
6.0							6



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: <i>WAT</i>	Location ID: 31
Drilling Company: HydroGeoLogic, Inc.	Driller: <i>W. Boney</i>	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 0930 4/3/12	Date/Time Total Depth Reached: 105 ft 105 ft	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		9:00 5/16 (0945)	
Geologist: <i>C. Garcia</i>	Checked By / Date: <i>Clyd Knight 4/5/12</i>			

Radiological Background: <i>N/A</i>	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	<i>72 5000</i>	Surface: Deep Pool; Rotten <i>Coarse</i> scattered silty sand; dark brown (7.5R/3/3);	SM	
0.5			0.0	<i>84 3400</i>	90% Fine sand; <i>well</i> sorted sand; Dry; <i>to</i> soft; Loose; <i>non</i> cohesive; <i>non</i> plastic; nonplastic; no odor or staining		
<p>Total Depth 0.5 ft bgs No groundwater encountered.</p>							

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: west	Location ID: NBZ-31
Drilling Company: HydroGeoLogic, Inc.	Driller: McBarney	Ground Elevation: msl NA	Total Depth Drilled: 27 inches 2.3ft. ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3 inches	Date/Time Drilling Started: 0937	Date/Time Total Depth Reached: 04/3/12 / 0937 / 2.3ft	
Type of Sampling Device: Hand Auger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90055 (0952)	
Geologist: C. Coarua	Checked By / Date: Chris Knapp 4/5/12			

Radiological Background: NA / 3100 / 102	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. 2985 (CPM)
0.0			0.0	77	Surface: Open top; Rotten weathered cross;		0.5ft 2985 (CPM)
0.5			0.0	84	1/2" ty sand, Dark Brown; (7.5 yR/3/3) loose	SM	3036
1.0			0.0	60	60% fine sand; 10% med sand; 20% silt; non plastic; cohesive; no staining or odor; Dry; cl.		3559
1.5			0.0	54			4554
2.0			0.0	77			4858
2.3					2.3ft sandstone bedrock mechanically weathered bedrock for 90% fine sand 10% med sand	SM (cl)	5368
3.0					Total depth reached 2.3ft.		
4.0					No groundwater encountered		
5.0					No anomalies.		
6.0							



Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: <u>10 West</u>	Location ID: <u>NBZ-92</u>	
Drilling Company: HydroGeoLogic, Inc.		Driller: <u>M. Binney</u>		Ground Elevation: NA		Total Depth Drilled: <u>10 inches</u> ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3 inches		Date/Time Drilling Started: <u>12/13/12</u>		Date/Time Total Depth Reached: <u>4/5/12</u> / <u>1405</u> / <u>10 inches</u>	
Type of Sampling Device: Hand Auger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) <u>90057 (1405)</u>			
Geologist: <u>C. Garcia</u>				Checked By / Date: <u>Utah Kempt</u> <u>4/5/12</u>			
Radiological Background: <u>NA 1/975/10</u>		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: <u>0.0</u> ppm			

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0					Surface: <u>clayey + sandstone</u>		0.5	5338
0.5					<u>silty sand (10% r/z) - very dark grayish brown, loose, dry, 80% fine sand 1% med. sand</u>	SM		3374
1.0					<u>Bedrock - non-plastic, 100% silty, cohesive, no odor or staining;</u>			3495
1.0					<u>sandstone bedrock mechanically weathered bedrock + cl</u>	Bedrock (CR)		5018
2.0					<u>Total Depth 10 inches</u>			
3.0					<u>No groundwater encountered.</u>			
4.0					<u>No Anomalies.</u>			
5.0					<u>1st Refusal 10 inches</u>			
6.0					<u>2nd Refusal 9 inches</u>			
					<u>3rd Refusal 8 inches</u>			

Project Name: SSFL Area IV Radiological Study	Project Number: EF038.01.22.04.03	Subarea: NBZ	Group: West	Location ID: 33
Drilling Company: HydroGeoLogic, Inc.	Driller: M Birney	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 10:27	Date/Time Total Depth Reached: 04/09/12 / 10:30	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90058 / (1100)	
Geologist: C. Carcia	Checked By / Date: Chris Kumpf / 4/5/12			

Radiological Background: NA / 9004 / 97	Radiological Equipment Used: Micro B / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. (CPM)
0.0			102	Pancake hole	Surface <sup>scattered</sup> coarse sandstone.		2030
0.5			350		silty sand (10YR/3/4) dark yellowish brown; 70% fine sand; 25% med sand & 10% silt; loose; dry; cohesive; non-plastic; no odor or staining.	SM	
1.0			60		Total Depth 0.5ft No groundwater encountered		
2.0							
3.0							
4.0							
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: <i>WRS</i>	Location ID: <i>NBZ-73</i>	
Drilling Company: HydroGeoLogic, Inc.		Driller: <i>M. Birney</i>		Ground Elevation: NA		Total Depth Drilled: <i>26 inches 2.2 ft</i> ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3 inches		Date/Time Drilling Started: <i>1033</i>		Date/Time Total Depth Reached: <i>04/03/2012/1040/2.2 ft bgs.</i>	
Type of Sampling Device: Hand Auger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		<i>90059 (1102)</i>	
Geologist: <i>C. Garcia</i>				Checked By / Date: <i>Will [unclear] 4/5/12</i>			
Radiological Background: <i>NA 30004/92</i>		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: <i>0.0</i> ppm			

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. (CPM)
0.0			<i>102</i>		Surface: <i>scattered cobbles; soil, sandstone</i>		<i>0.59 3630</i>
0.0			<i>77</i>		<i>Silty sand; (10YR/3/4) Dark yellowish brown</i>	<i>SM</i>	<i>3647</i>
0.5			<i>77</i>		<i>70% Fine sand; 20% Med sand; 10% silt; Dry loose; Cohesive; nonplastic; no odor or staining</i>		<i>4676</i>
1.0			<i>77</i>		<i>Silty sand; (10YR/4/6) Dark yellowish brown; 60% fine sand; 20% med sand; 20% silt; Dry loose; nonplastic; cohesive; no odor or staining;</i>	<i>SM</i>	<i>5334</i>
2.0			<i>102</i>		<i>rock</i>		<i>5444</i>
3.0					<i>70% med sand 25% med sand 5% silt; silty sand (10YR/6/3) loose; nonplastic non cohesive; no odor or staining; Dry sandstone Bedrock partially weathered Mechanically weathered Bedrock to (P)</i>	<i>Bedrock (P)</i>	<i>5545</i>
4.0					Total Depth 2.2 ft No groundwater encountered. No anomalies.		
5.0							
6.0							

# SSFL BORING LOG

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: <del>ERT</del>	Location ID: NBZ-34
Drilling Company: HydroGeoLogic, Inc.	Driller: A Birney	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 1120 4/3/2012	Date/Time Total Depth Reached: 1124 4/3/2012	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90000 (1135)	
Geologist: C. Garcia	Checked By / Date: W. H. [Signature] 4/5/12			

Radiological Background: NA / No / 46	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft-bgs)	Interval	Recovery	PID	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	Surface: <del>soil</del> 15% silt (+ 20% 1/2); loose; Dry; <del>cohesive</del> Reactants; non-plastic; No odor or staining	SM	
0.5			0.0			
1.0						
2.0						
3.0						
4.0						
5.0						
6.0						

Total Depth 0.5 ft  
No groundwater  
Encountered.



# SSFL BORING LOG



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: EPA	Location ID: 75
Drilling Company: HydroGeoLogic, Inc.	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 1/15/12	Date/Time Total Depth Reached: 1/17/12 / 0.5 ft bgs.	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90002 (144)	
Geologist: J. Garcia	Checked By / Date: Chris Kuyler 4/5/12			

Radiological Background: NA 1/10/12 51	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.0	78	Surface soils, weathered loose sand, silty sand; very dark brown, (7.5 yr/2.5 ft)	SM		
0.5			0.0	3300	70% fine sand 10% med sand loose, non cohesive; non plastic; no odor, or staining; Dry			
1.0								
2.0								
3.0								
4.0								
5.0								
6.0								

Total Depth 0.5 ft bgs  
No groundwater encountered



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: EAST	Location ID: NBZ-30
Drilling Company: HydroGeoLogic, Inc.	Driller: M Birney C Garcia	Ground Elevation: NA	Total Depth Drilled: 8.5 FT ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3 inches	Date/Time Drilling Started: 10/3/12	Date/Time Total Depth Reached: 03/23/2012 / 11:55 / 8.5 FT	
Type of Sampling Device: Hand Auger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		900004 (1225)	
Geologist: M Birney C Garcia	Checked By / Date: Will Nutt		3-30-12	
Radiological Background: NA/26005/58	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm		

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description: (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. (CPM)
					Surface scattered (crass. soil)		0.5 ft 3580
0.5			0.0	30	Dark Reddish Brown Silty sandy silt 65% silt + 35% fine sand; 2% medium sand; cohesive; Loose; <del>semi</del> plastic; no odor or staining; Very moist.	SM	3140
1.0			0.0	42	same as above color change only (5YR/2.5/2) Dark Reddish Brown	ML	4310
			0.2	54		ML	4819
2.0			0.1	42	same as above; color change only (5YR/4/1) Dark reddish gray	ML	4510
			0.0	60		ML	4570
3.0			0.0	84	same as above; color change only (7.5YR/4/1 Dark Gray)	ML	4590
			0.0	54		ML	4559
4.0			0.0	46	(7.5YR/5/2) Brown; Clayey sand; 15% clay; 75% fine sand; 5% med. sand	SC	4548
			0.0	30	no odor or staining; moist; cohesive; stiff; semi-plastic; soft.	SC	4520
5.0			0.0	54	same as above color change only light gray; (10YR/7/1)	SC	4710
			0.0	84		SC	4717
6.0			0.0	84	same as above color change only	SC	4770
			0.0	84		SC	5029



Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: East	Location ID: NBZ-37	
Drilling Company: HydroGeoLogic, Inc.		Driller: C Garcia		Ground Elevation: NA		Total Depth Drilled: 4' 1" ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3 inches		Date/Time Drilling Started: 1420 03/28/12		Date/Time Total Depth Reached: 1547 3/28/12	
Type of Sampling Device: Hand Auger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90065 (1608)			
Geologist: M Birney				Checked By / Date: Cliff Knight 3-30-12			
Radiological Background: NA / 3224 / 57		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.5			0.0	60	Silty Sand, very dark brown (10gr 2/2) 20% silt, 60% fine sand, 20% med sand, cohesive, moist, loose, low plasticity, no odor, no staining rootlets, loose	mb Art SM	2930 mb 2814 mb 2977 4320 mb 3850
1.0			0.0	66	same as above, color change to dark brown (7.5gr 3/2), void of rootlets	SM	4603 mb 3350 mb 4640
			0.1	45			4630 mb 4640 mb 4684
2.0			0.2	50			4535 mb 4689 mb 4728
			0.5	49	clayey sands very dark grayish brown (2.5gr 3/2) 20% clay 60% med sand, 20% fine sand moist, cohesive, low med plasticity, no odor, no staining med stiff dense	SC	4590 mb 4728 mb 4615
3.0			0.1	68			5128 mb 461 mb 4467
			0.2	72	clayey sands grayish brown (2.5gr 5/2) 10% clay, 30% med sand, 30% fine sand, moist, cohesive, low plasticity, no odor, no staining med stiff	SP mb SP	4632
4.0			0.1	72	clayey sands, dark grayish brown (10gr 4/2) 10% clay, 40% med sand, 50 fine sand, semi moist, cohesive, low plasticity, no odor, no staining soft	SE mb SP	5183
5.0					bedrock - mechanically weathered sandstone with siltstone, semi moist, no odor no staining no groundwater encountered TD = 49"	Bedrock	
6.0							





Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: East	Location ID: NBZ-39
Drilling Company: HydroGeoLogic, Inc.	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 32.5 inches ft. bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3 inches	Date/Time Drilling Started: 1345 03/27/2012	Date/Time Total Depth Reached: 32 inches 1350	
Type of Sampling Device: Hand Auger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		900 (08) (1440)	
Geologist: Colleen Garcia	Checked By / Date: [Signature] 3-29-12			

Radiological Background: NA / 3182 / 83	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 00 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
					Surface scattered grass + soil			3156
0.5			0.0	48	Silty sand 20% silt 70% fine sand 10% med sand BROWN (10YR/4/3) MOIST; Cohesive; MODERATELY LOOSE; low plasticity; NO ODOR; NO STAINING; ROOTLETS;	SM	3199	3182
1.0			0.0	54	Silty sand 20% silt 65% fine sand 5% medium sand Dark Brown (7.5YR/5/2) MOIST; Cohesive; LOOSE; LOW PLASTICITY; NO ODOR; NO STAINING; ROOTLETS.	SM	5053	
2.0			0.0	60			5453	
2.0			0.8	54	Silty sand 15% silt 70% fine sand 15% med sand. Dark yellowish brown (10YR/5/4) MOIST; Cohesive; LOOSE; LOW PLASTICITY; NO ODOR; NO STAINING; ORGANIC ROOTLETS	SM	5589	
3.0			0.0	66	BEAD ROCK REACHED; Mechanically weathered to GA SEMI-MOIST; Very Pale Brown (10YR/7/4) Mica/Quartz; Sand stone.	BEAD ROCK (G)	4990	
4.0					Total Depth 32 inches NO Groundwater encountered NO Anomalies			

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: EPA	Location ID: NBZ-40
Drilling Company: HydroGeoLogic, Inc.	Driller: M. Bimney	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 0838	Date/Time Total Depth Reached: 03/28/2012 0939	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90069 (0845)	
Geologist: C. Garcia	Checked By / Date: C. Garcia 3-30-12			

Radiological Background: NA/3263/50	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.0	54/3250	Surface (crassy) silty sand (loose) (7.5 NR/4/3) Brown SM 20% silt 70% fine sand 10% medium sand; No odor or staining; LOOSE; Cohesive; non plastic; moist ROOTLETS			
0.5			0.0	72/3500				
1.0								
2.0								
3.0								
4.0								
5.0								
6.0								

Total Depth 0.5 ft bgs.  
No groundwaters encountered.  
No anomalies.

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: EPA	Location ID: NBZ-40
Drilling Company: HydroGeoLogic, Inc.	Driller: M Birney	Ground Elevation: NA	Total Depth Drilled: 3.5 ft ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3 inches	Date/Time Drilling Started: 08 57	Date/Time Total Depth Reached: 03/28/12 0912	
Type of Sampling Device: Hand Auger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90070	(0940)
Geologist: C Garcia	Checked By / Date: C Garcia 3/30/12			

Radiological Background: NA/3303/150	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background:	0.0	ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. (CPM)
0.0			0.0	54	Surface (washed)		3181
0.5			0.0	72	silty sand; (7.5YR/4/3); Brown; 20% silt 70% sand; 10% medium sand; loose; cohesive; nonplastic; no odor or staining; moist; rootlets	SM	3354
1.0			0.0	54	- same as above		4352
2.0			0.0	112	- same as above		4904
3.0			0.7	48	- same as above color change only Brown (7.5YR/5/3)		5202
4.0			0.0	84	- same as above		5430
5.0			0.0	42	- same as above color change only Brown (7.5/4/2)		5499
6.0			0.0	102	- same as above color change only Reached bedrock at 47 inches mechanically weathered bedrock		5032
<p>No Anomalies</p> <p>Total depth Reached at 47 inches (3.5 ft bgs)</p> <p>No Groundwater encountered</p>							5554



# SSFL BORING LOG



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ <b>WEST EAST</b>	Group: <b>EAST</b>	Location ID: <b>NBZ-42</b>
Drilling Company: HydroGeoLogic, Inc.	Driller: <i>M Birney</i>	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 1530	Date/Time Total Depth Reached: 03/29/2012 0.5ft 1555	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90072 (1000)	
Geologist: <i>Colleen Garcia</i>	Checked By / Date: <i>Cliff Knight 3/29/12</i>			

Radiological Background: NA	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.1 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Feet bgs.	Gamma Readings (CPM)
0.5			0.1	54	<p><i>Break.</i></p> <p>Asphalt; Glass bottles; metal pipes; concrete block - *Artificial fill; no odor</p> <p>0.6 inches concrete &amp; charcoal</p> <p>2775 (Downhole) Silty Sand. 0.4m</p> <p>organic material @ sand 10% coarse</p> <p>(Rootlets) Wet/Moist.</p> <p>(10YR/4/3) Medium to dark silty sand</p> <p>Brown. No staining. LOOSE</p> <p>20% silt</p> <p>75% medium sand.</p> <p>5% fine sand.</p>	AF	0.5	<i>2775 CPM</i>
1.0							1	
2.0							2	
3.0							3	
4.0							4	
5.0							5	
6.0							6	

Total depth 0.5ft  
No groundwater encountered.

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ <b>EASTCH east</b>	Group: <b>east</b>	Location ID: <b>NBZ-42</b>	
Drilling Company: HydroGeoLogic, Inc.		Driller: <b>M Bimray</b>		Ground Elevation: NA		Total Depth Drilled: <b>21 inches</b> ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3 inches		Date/Time Drilling Started: <b>1600 CH</b>		Date/Time Total Depth Reached: <b>03/26/2012 21 inches. 1610</b>	
Type of Sampling Device: Hand Auger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) <b>90073 / N/A</b>			
Geologist: <b>Colleen Garcia.</b>				Checked By / Date: <b>WJW 3-28-12</b>			
Radiological Background: <b>NA / (0) / 300.</b>		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: <b>0.1</b> ppm			
Depth (ft bgs)	Interval	Recovery	PID	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)		USCS Symbol	Feet bgs. Borehole Gamma Readings (CFM)
0.0				<b>Surface Asphalt over soil</b>			
0.5			0.1	Artificial fill; Asphalt; concrete; Glass Bottles; Metal; organic material (rootlets); soft brown medium to dark silty sand 0.4 m (10% fine sand) 0% coarse; 10% moisture		CH	
1.0			0.1	- 10 inches 1st refusal			
1.5			0.1	- 9.5 inches 2nd refusal			
2.0			0.1	- 8 inches 3rd refusal			
2.5			0.1	- 7 inches 3rd refusal			
3.0				- 21 inches 3rd refusal. Asphalt			
3.5				Bedrock encountered sandstone			
4.0				Total depth reached at 21 inches			
4.5				No groundwater encountered.			
5.0							
5.5							
6.0							

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ <b>EAST</b>	Group: <b>EAST</b>	Location ID: <b>NBZ-43</b>	
Drilling Company: HydroGeoLogic, Inc.		Driller: <b>M. Birney</b>		Ground Elevation: NA		Total Depth Drilled: <b>18 inches.</b> ft bgs.	
Drilling Equipment: <b>Hand Auger Hand Auger OK</b>		Borehole Diameter: 3 inches		Date/Time Drilling Started: <b>1522</b>		Date/Time Total Depth Reached: <b>03/26/2012 / 18 inches / 1530</b>	
Type of Sampling Device: <b>Hand Auger Hand Auger OK</b>		Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		<b>90074 (1535)</b>			
Geologist: <b>Coleen Garcia</b>		Checked By / Date: <b>WJ [unclear] 3-28-12 3/27/12</b>					
Radiological Background: <b>NA / 933249</b>		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: <b>0.0</b>		ppm	
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	SCS Symbol	Feet bgs. Borehole Gamma Readings (CPM)
			0.0	60	<b>71% clay and silt 22% silt 7% sand; 0.1 coarse sand, yellow brown color (10YR/4/4) compacted moist; no odor; no staining; cohesive</b>	<b>[GM]</b>	<b>3249</b>
0.5			0.1	54	<b>10 inches 2nd refusal - silty sand. Loose</b>	<b>[GM]</b>	
1.0			0.1	40	<b>14 inches 1st refusal</b>		
2.0			0.1	112	<b>18 inches 3rd refusal. Bedrock encountered 18 inches sandstone. Total depth reached at 18 inches. No groundwater encountered.</b>		
3.0							
4.0							
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: East	Location ID: NBZ-44
Drilling Company: HydroGeoLogic, Inc.	Driller: M. W. W. W.	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 12:50 07/29/12/2013	Date/Time Total Depth Reached: 0.5 ft bgs.	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		190075 (1315)	
Geologist: P. Carcia	Checked By / Date: W. H. H. 9-2-12			

Radiological Background: NA / 2924 / 53	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.1 ppm
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Depth (ft bgs)	Interval	Recovery	RID	Radiological	Description At: Artificial Fill (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.1			90	2950	<p>Plastic material Silty sand 15% silt; 85% fine sand; 40% med sand; 1% coarse sand. (7.5 yr / 5/2) Brown; Loose; cohesive; nonplastic; no odor; no staining; Dry; Koollets; Glass; metal shards</p>	SM		
0.5			90	3350				
1.0								
2.0								
3.0								
4.0								
5.0								
6.0								

Total Depth Reached 0.5 ft.  
No groundwater encountered.

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: <del>EP038</del>	Location ID: NBZ-44	
Drilling Company: HydroGeoLogic, Inc.		Driver: M. Kinney		Ground Elevation: NA		Total Depth Drilled: 1.0 ft ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3 inches		Date/Time Drilling Started: 1305 03-12-13 10:40 AM		Date/Time Total Depth Reached:	
Type of Sampling Device: Hand Auger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90070 No sample shallower Refusal			
Geologist: C. Garcia				Checked By / Date: W. Knott 4-2-12			
Radiological Background: NA 1926/53		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.1 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings (CPM)
0.5			0.1 72		Surface Glass, Plastic Bottle cap; Asphalt Metal shards; Silt and 15% silt; 70% fine sand; 4% med sand; 11% coarse; (7.5 R/5/2); Brown; Loose; cohesive; non plastic; no odor or staining; Dry; roots; Glass metal shards	SM AF	
1.0			0.1 102		No sample taken shallower. Refusal at 1 ft Artificial Fill		
2.0							
3.0							
4.0							
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ EAST	Group: East	Location ID: NBZ-45
Drilling Company: HydroGeologic, Inc.	Driller: M Birney	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 11:50 AM 03/26/2012	Date/Time Total Depth Reached: 11:36 AM 03/26/2012	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)	Checked By / Date: CJH 3/26/12		
Geologist: Cecelia Garcia		Checked By / Date: CJH 3/26/12		

Radiological Background: N/A	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.1 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0 - 0.5			0.1	Pancake	Asphalt present at sample location Dark Brown color (2.5Y/2/3) Silty sand; cohesive, non plastic MOIST; 85% sand; 15% silt; 3200cpm (downhole) loose; no odor; no staining; trace rootlets	GM	0.5	3000
0.5 - 1.0			0.1			SM	1.0	3200
1.0 - 2.0							2.0	
2.0 - 3.0							3.0	
3.0 - 4.0							4.0	
4.0 - 5.0							5.0	
5.0 - 6.0							6.0	

Total depth = 0.5 ft  
No groundwater encountered  
No anomalies.

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ <i>West</i>	Group: <i>East</i>	Location ID: <i>NBZ-45</i>	
Drilling Company: HydroGeoLogic, Inc.		Driller: <i>Matt Birney</i>		Ground Elevation: NA		Total Depth Drilled: <i>68 inches</i> ft bgs. <i>5.5 ft</i>	
Drilling Equipment: Hand Auger		Borehole Diameter: 3 inches		Date/Time Drilling Started: <i>1145</i>		Date/Time Total Depth Reached: <i>03/26/2012 12:05 / 68 inches. 5.5 ft</i>	
Type of Sampling Device: Hand Auger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) <i>90078 (1235)</i>			
Geologist: <i>Colleen Garcia</i>				Checked By / Date: <i>Chiff Thumitt 3/27/12</i>			
Radiological Background: <i>NA/CG</i>		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: <i>0.1</i> ppm			

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Gamma Readings (CPM)
					<i>Surface Corrosion</i>		<i>started 1219 every 2 inches</i>
0.5					<i>silty sand Dark Brown Color 2.5Y/4/3 non-cohesive; non plastic; organic material Asphalt present at location; no odor; moist. no staining; 70% med sand 20% silt. med dense</i>	<i>GM</i>	<i>3074 cpm</i>
1.0			<i>0.1</i>	<i>78</i>			<i>4428 cpm</i>
1.5			<i>0.1</i>	<i>84</i>			<i>5030 cpm</i>
2.0			<i>0.1</i>	<i>48</i>	<i>Color Change Lighter + finer Rootlet organic material</i>	<i>GM</i>	<i>5189 cpm</i>
2.5			<i>0.1</i>	<i>84</i>	<i>silty sand medium 0.4mm Dark Brown non cohesive; non plastic; no odor 70% silt 15% fine sand; 15% med sand; No staining moist med dense</i>	<i>GM</i>	<i>5663 cpm</i>
3.0			<i>0.1</i>	<i>60</i>	<i>silty sand Organic Material Yellow/Brown</i>	<i>GM</i>	<i>5821 cpm</i>
3.5			<i>0.1</i>	<i>48</i>	<i>silty medium sand; non-cohesive; non-plastic; moist. no staining no odor, med dense (10YR/5/4)</i>	<i>GM</i>	<i>5798 cpm</i>
4.0			<i>0.1</i>	<i>60</i>			<i>6027 cpm</i>
4.5			<i>0.1</i>	<i>48</i>			<i>6058 cpm</i>
5.0			<i>0.1</i>	<i>54</i>	<i>52 inches → medium dense some cohesiveness; yellow brown increase fine's (Clay) Refusal 1st</i>	<i>GM</i>	<i>5856 cpm</i>
5.5			<i>0.1</i>	<i>96</i>	<i>62 inches and Refusal and hole depth 68 inches 20% silt 10% med sand. 2nd hole refusal 68 inches.</i>	<i>GM</i>	<i>6039 cpm</i>
6.0					<i>No Anomalies. Bedrock encountered. No groundwater encountered</i>		<i>5845 cpm</i>

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ <i>CEAST</i>	Group: <i>CAAT</i>	Location ID: <i>NBZ-46</i>
Drilling Company: HydroGeoLogic, Inc.	Driller: <i>M. Birney</i>	Ground Elevation: NA	Total Depth Drilled: <i>0.5</i> ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: <i>0747 0930</i>	Date/Time Total Depth Reached: <i>03/26/2012 0930 0.5 bgs</i>	
Type of Sampling Device: Trowel/ <u>Shovel</u>	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) <i>#21(0947) 90079</i>		Checked By / Date: <i>WJ Knight 3-28-12</i>	
Geologist: <i>Colton Garcia</i>				

Radiological Background: <i>NA / 29.76 counts/hr</i>	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: <i>0.0</i> ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			60	<i>Pancake</i>	<i>Silty sand; Dark Brown; (7.5yr/2.5/2); vegetation pieces; non-cohesive; coarse grain size; organic; very loose; No odor; Moist; No staining;</i>	<i>GM</i>		
0.0			54	<i>3258</i>	<i>(downhole) 85% sand 15% silt</i>	<i>GM</i>		
<p>Total depth = 0.5 ft No groundwater encountered. No anomalies.</p>								

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: EPA	Location ID: NBZ-46	
Drilling Company: HydroGeoLogic, Inc.		Driller: M Birney		Ground Elevation: NA		Total Depth Drilled: 7.0 ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3 inches		Date/Time Drilling Started: 0947 03/26/2012 1115		Date/Time Total Depth Reached: 7.0	
Type of Sampling Device: Hand Auger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90080 (1121)			
Geologist: C Garcia				Checked By / Date: Bill Knudsen 3/28-12			
Radiological Background: NA/2976d		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	every 6 inches Borehole Gamma Readings 3001 Feet bgs. (CPM)
0.5			0.0	42	Dark Brown Silty sand (7.5R/2.5Y/2); cohesive nonplastic; no odor; no staining; moist; loose; 85% fine sand 15% silt rootlets;	SM	3732
1.0			0.0	60	description above.		4089
1.5			0.0	42			5017
2.0			0.0	60			5397
2.5			0.0	42	Light Brown color (7.5YR/4/4) loose nonplastic; cohesive; rootlets; silty sand; 20% silt 70% fine sand 10% med sand. no staining no odor. moist	SM	6015
3.0			0.0	60			6083
3.5			0.0	42			6093
4.0			0.0	77			5886
4.5			0.0	60	Poron (7.5Y/4/3) silty sand; 40% coarse 80% fine sand; 20% silt. loose sand; rootlets; no staining no odor, moist 76%.	SM	5869
5.0			0.0	42			5851
5.5			0.0	42	10YR/5/6 color change only	SM	5768
6.0			0.1	78	10YR/6/6 color change only.	SM	5705
6.5			0.0	96			5766

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03	Subarea: NBZ <del>EP038</del> <del>EP038</del>	Group: EP038	Location ID: NBZ-46		
Radiological Background: NA/2970		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
6.0			0.0	96			5766
			0.1	60	Core change only 7.5/6/6	SM	6002
7.0			0.1	60	sandstone, yellowish brown (10YR/5/4) bedded mechanically weathered Weathered Bedrock. (R)		6012
8.0					No Anomalies Total Depth 7.0ft No groundwater encountered.		
9.0							
10.0							
11.0							
12.0							
13.0							



Project Name:		Project Number:		Subarea:	Group:	Location ID:	
SSFL Area IV Radiological Study		EP038.01.22.04.03		NBZ	east	48① 47	
Radiological Background:			Radiological Equipment Used:		PID Used:		
14/3025/54			Micro R / Downhole / Pancake Meters		Mini Rae 2000 - Background: 0.0 ppm		
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
6.0			0.1	72	sand w/ silt (unit same as above)	SM	6 4842
			0.1	66			4639
7.0			0.1	54			7 4624
			0.1	66			8 4821
8.0					Sandstone bedrock: (2.54 7/4) pale brown, moist, very dense, no odor or staining, slightly mottled w/ iron oxide, mechanically weathered to sp	Bedrock (SP)	
					total depth = 7.5' bgs		
					no groundwater encountered		
					no anomalies		
9.0							9
							10
10.0							11
							12
11.0							13
12.0							
13.0							



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22:04.03	Subarea: NBZ	Group: east	Location ID: 48
Drilling Company: HGL	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 6 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 3/22/12 11:22	Date/Time Total Depth Reached: 3/23/12 1450	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		Checked By / Date: Bill Lambert 3/22/12 90083 (1455)	
Geologist: L Robbins Goldman				

Radiological Background: 14/3025/34	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings Feet bgs. 10.5 3272 (CPM) 3094
			0.0	84	pancake (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable) Surface = soil + grass		3094
0.5			0.1	84	silty sand: dark yellowish brown (10YR 3/4), 65% fine sand, 5% med. sand, 30% silt, moist, no odor or staining, cohesive, low plasticity, dense, trace rootlets, charcoal pieces (2mm-5mm)	SM	4493 (6) 3272
			0.1	78			5256 (6) 4493
1.0			0.1	78			5618 (6) 5256
			0.1	78			5841 (6) 5618
2.0			0.1	60	silty sand: dark yellowish brown (10YR 4/6) unit same as above, trace roots (2mm dia)	SM	5980 (6) 5841
			0.1	72			5980 (6) 5980
3.0			0.1	92			5980 (6) 5980
			0.0	96			5872 (6) 5980
4.0			0.1	36	silty sand: light yellowish brown (10YR 6/4), 85% fine to med. sand, 15% silt, moist, cohesive, low plasticity, dense	SM	5938 (6) 5872
			0.1	56			5924 (6) 5938
5.0			0.1	78			5973 (6) 5924
			0.1	54	sandstone bedrock: yellow (10YR 7/6), very dense moist, no odor or staining, mechanically weathered to SP	Bedrock	5853 (6) 5973
6.0			0.1	72			5853 (6) 5853

total depth = 6.0' bgs  
no GW encountered

(SP)

# SSFL BORING LOG



NBZ\_049

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: N52	Group: R08A	Location ID: 49
Drilling Company: HGL	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 3.2 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 3/22/12 10:50	Date/Time Total Depth Reached: 3/22/12 11:27	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90084 (1135)	
Geologist: L. Robbins Goldman	Checked By / Date: [Signature] 3/22/12			

Radiological Background: 13/3074/51	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	pancake	Surface: Soil + grass		105 = 3166
0.5			0.0	78	silty sand; sand & silt: dark brown (7.5 YR 3/3), 65% fine sand, 10% med. sand, 25% silt, moist, cohesive, low plasticity, no odor or staining, dense, trace rootlets	SM	3137
1.0			0.0	84			4148
1.5			0.0	72	Silty sand: brown (7.5 YR 4/4), 70% fine sand, 5% med. sand, 25% silt, moist, cohesive, no odor or staining; dense, trace rootlets		5022
2.0			0.0	84		SM	5252
2.5			0.0	90	--- LRG ---		5375
3.0			0.0	54			5499
3.2			0.0	54	sandstone bedrock: light yellowish brown (10 YR 6/4), moist, no odor, cohesive or staining, mechanically weathered to SP	Bed-rock (SP)	5309
<p>total depth 3.21 or 38 inches no groundwater encountered no anomalies</p>							

# SSFL BORING LOG



NBZ\_050

1 of 1

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: East	Location ID: NBZ-50
Drilling Company: HydroGeoLogic, Inc.	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 1430 03/26/2012	Date/Time Total Depth Reached: 1425	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90.085 (1430)	
Geologist: Carmen Carvina	Checked By / Date: Cliff Thright 3-28-12			

Radiological Background: NA / 3048149	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			90	Pancake Meter	include lithology, grain size, sorting, angularity, Munsell color name & texture, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)			
0.5			315		Poorly Graded dark gray; 2.5 y/3/3; cohesive; silty sand; noodler retaining 1.1% coarse sand	SM SP		
1.0			78 3350		90% fine sand 40% silt + 5% med sand. Loose; nonplastic, moist			
					Total depth Reached 0.5 ft			
					No anomalies			
					No groundwater			

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: EAST	Location ID: NBZ-50
Drilling Company: HydroGeoLogic, Inc.	Driller: M. Bivrey	Ground Elevation: NA	Total Depth Drilled: 25 inches ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3 inches	Date/Time Drilling Started: 4:35 PM 3/26/2012	Date/Time Total Depth Reached: [NA] 4:43 12:33	
Type of Sampling Device: Hand Auger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		9.0086 (1233) 3-20-12	
Geologist: Colleen Garcia	Checked By / Date: Colleen Garcia 3/26/2012 OK 3/27/12			

Radiological Background: NA 3048 / 19	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. 3048 (CPM)
0.0			96	Pancake	loose, silty sand; moist; soft; organic rootlets; (7.5/2.5/2)	[SM]	3121
0.5			20	72	0.4 med grain sand - 85% med. sand 15% silt noncohesive; plastic; no staining; very dark brown.		3344
1.0			0.1	54	Medium sand and some coarse sand moist 1% coarse sand 99% med sand 15% silt fine sand. loose. staining same color 7.5/2.5/2	[SM]	4771
2.0			0.1	60	looser very dark brown nonplastic		5435
			0.0	60	Bedrock total depth 25 inches shallow refusal at 25 inches	Bedrock	5801
					1st refusal 18 inches		5603
					2nd refusal 25 inches		
					3rd refusal 10 inches		
					No groundwater encountered		
					No anomalies.		

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: east	Location ID: 51	
Drilling Company: HGL		Driller: M. Birney		Ground Elevation: NA		Total Depth Drilled: 2.25 (16) 2.33 (16) ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3.0 inches		Date/Time Drilling Started: 1000 3/23/12		Date/Time Total Depth Reached: 3/23/12 1035	
Type of Sampling Device: Handauger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90087 (1041)			
Geologist: L Robbins Goldman				Checked By / Date: With Knut 3-27-12			
Radiological Background: 13/348/59		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm			

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. +0.5 = 3109 (CPM)
0.0	0.0		66		surface: wood chips, soil, grass		
0.5	0.0		54		silty sand: dark brown (7.5YR, 3/2), 80% fine sand, 20% silt, moist, no odor or staining, cohesive, low plasticity, dense, trace rootlets, small charcoal flakes	SM	3299 (16) 5322
1.0	0.0		84		8" silty sand: unit same as above, note color change: yellowish brown (10YR 5/6)	SM	5322 (16) 6120
2.0	0.0		48		10" sand w/ silt: yellowish brown (10YR 5/6), 85% fine sand, 15% silt, moist, no odor or staining, cohesive, dense, trace rootlets	SM	6120 (16) 6947
3.0	0.0		60		sandstone bedrock: yellowish brown (10YR 5/6), moist, no odor or staining, mechanically weathered to SP	bed-rock (SP)	6947 (16) 5847
4.0					total depth: 28 inches		NM
5.0					no groundwater encountered		
6.0					no anomalies		

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: East	Location ID: 52	
Drilling Company: HydroGeoLogic		Driller: M. Birney / T. Morse		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/shovel		Borehole Diameter: NA		Date/Time Drilling Started: 3/15/12 1154		Date/Time Total Depth Reached: 3/15/12 1205	
Type of Sampling Device: Trowel/shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90264 (1205)			
Geologist: L. Robbins Goldman				Checked By / Date: J. Robbins Goldman 3/16/12			
Radiological Background: 9/2131/69		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	9/69	0" - 2" : silty sand w/ gravel: brown (10YR 5/3), 25% angular non-native (road) gravel (10-15mm), 60% med. sand, 10% fine sand, 5% silt, dry, dense, non-cohesive, low plasticity, slow dilatancy, no odor or staining, debris present in trace amount: glass	SM / AF	
0.5			0.0	10/48	2" - 6" : Silty sand: dark yellow with brown (10YR 3/6), 65% med. sand, 15% fine sand, 15% silt, 5% clay, dry, low dense, low plasticity, slow dilatancy, no odor, no staining	SM	
1.0							
2.0							
3.0							
4.0							
5.0							
6.0							
					no GW encountered TD = 0.5' bgs location not moved		

east

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: A42	Location ID: 52
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 1.5 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/15/12 1210	Date/Time Total Depth Reached: 3/15/12 1225	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90088 (n/a)	
Geologist: L. Robbins Goldman	Checked By / Date: Robbins Goldman 3/16/12			

Radiological Background: 9/2131/69	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	54	AF = artificial fill surface: grass + soil		
0.5			0.0	42	Silty sand w/ gravel: brown (10YR 5/3), 25% angular non-native (road) gravel (10-15mm), 60% med. sand, 10% fine sand, 5% silt, dry, dense, non cohesive, low plasticity, slow dilatancy, no odor or staining, debris present in trace amount: glass.	SM / AF	NM
1.0			0.0	54	2"-7": silty sand: dark yellowish brown (10YR 3/6) 65% med. sand, 15% fine sand, 15% silt, 5% clay, dry, low dense, low plasticity, slow dilatancy, no odor, no staining, 2" thick interbedded sand layer (described below)	SM	Shallow refusal
2.0			0.0	54	7"-1.5': sand w/ silt: yellowish brown (10YR 5/6), 25% coarse subrounded sand, 25% med. sand, 25% fine sand, 25% silt, semi-moist dense, low plasticity, med dilatancy, non-cohesive, no odor, no staining.	SM SM SM	
3.0					1.5'-1.5': sandstone bedrock: brown (10YR 5/3), trace Fe oxidation nodules, mechanically weathered to SP, no odor		
4.0							
5.0							
6.0							

- total depth = 1.5' bgs
- no gw encountered
- no sample collected due to shallow refusal

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: east #416	Location ID: 53
Drilling Company: HydroGeoLogic	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 0.5 4.5' ft bgs.	
Drilling Equipment: Trowel/shovel	Borehole Diameter: NA	Date/Time Drilling Started: 3/15/12 1409	Date/Time Total Depth Reached: 3/15/12 1415	
Type of Sampling Device: Trowel/shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90089 (1415)	
Geologist: L. Robbins Goldman	Checked By / Date: L. Robbins Goldman 3/16/12			

Radiological Background: 10/2226 / 52	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.0	10/2226	<p>→ M/P pancake AF=artificial fill</p> <p>silty sand w/ gravel: brown (10YR 5/3), 25% angular non-native gravel (~10mm-20mm size), 60% med. sand, 10% fine sand, 5% silt, dry, dense, non-cohesive, low plasticity, slow dilatancy, no odor or staining, debris present in trace amount: glass, concrete, aluminum strap, trace rootlets, piece of metal ties, wire, metal (~35 mm Long x 15 mm tall)</p>	AF / SM		NM
0.5			0.0	10/18	<p>no GW encountered</p> <p>TD=0.5' bgs</p> <p>location not moved</p>			

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: A02	Location ID: 54(6) 53
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 4.5 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/15/12 1424	Date/Time Total Depth Reached: 3/15/12 1433	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90090(i440)			
Geologist: L Robbins Goldman	Checked By / Date: L Robbins Goldman 3/16/12			

Radiological Background: 1022261 52	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. +0.5 = 2481 (CPM)
					AF = artificial fill Surface = grass + soil		
0.5			0.0	86	Silty sand w/ gravel: brown (10YR 5/3), 25% angular non-native gravel (v 10mm-20mm size), 60% med. sand, 10% fine sand, 5% silt, dry, dense, non-cohesive, low plasticity, slow dilatancy, no odor or staining, debris present in trace amount: glass, concrete, aluminum strap, piece of metal ties, wire, metal piece (v 35 mm long x 15 mm tall), trace rootlets	AF	2534
			0.0	72		SM	3127
1.0			0.0	66			3117
			0.0	66			3072
2.0			0.0	54			NM
			0.0	60			
3.0			0.0	90	-asphalt layer (1" thick), pieces range from 1mm to 10mm		
			0.0	60	sandy silt: dark yellowish brown (10YR 4/4), 50% fine sand, 30% med. sand, 20% silt, dry, dense, med. plasticity, slow dilatancy, no odor or staining, debris present in trace amounts: glass, wire, 2" asphalt layer present at 3'6", trace charcoal flakes (6)	SM AF	
4.0			0.0	48	flakes, small mica flecks		
			0.0	56		SP	
5.0					41 3/4" 41 10": sand w/ silt: light yellowish brown (2.5Y 4/3), 75% (6) 65% med. sand, 25% med. sand, 10% silt, dry, dense, no odor or staining, 3" thick sandy silt layer as described	bed rock	
6.0					45" above Sandstone bedrock: yellow (2.5Y 7/3), trace iron oxide layers, mechanically weathered to SP		

total depth = 4.5' bgs



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: east	Location ID: 54
Drilling Company: HGL	Driller: J. LeVargie	Ground Elevation: NA	Total Depth Drilled: 2.5 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 3/22/12 1330	Date/Time Total Depth Reached: 3/22/12 1425	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90092 (1430)	
Geologist: L Robbins Goldman	Checked By / Date: Cliff Thumby 3-26-12			

Radiological Background: 11/2311/95	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. +0.5 = 2754 (CPM)
					Surface: grass + soil AF = artificial fill		
0.5			0.0	50	Silty sand w/ gravel: dark brown (10YR 3/3), 70% sand, 20% silt, 10% angular gravel (road fill gravel). dry, loose, no odor or staining, abundant debris: plastic (~30mm), glass (~20mm), 2 metal straps (~1 foot length each)	SM AF	2786
			0.0	72			3211
1.0			0.0	72			4229
			0.2	72			4954
2.0			0.1	90	Silty sand with gravel same as above, note color change: brown (10YR 5/3), debris: glass (~12mm)	SM AF	5389
			0.1	48	Sandstone bedrock: <sup>90</sup> 2.5 pale brown (2.5Y 7/3), dense moist, no odor or staining, mechanically weathered to SP	Bedrock (SP)	5283
3.0							
4.0							
5.0							
6.0							

total depth = 2.5' bgs (or 33")  
no groundwater encountered  
no anomalies

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: East	Location ID: 55	
Drilling Company: HydroGeoLogic		Driller: L Robbins Goldman		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/shovel		Borehole Diameter: NA		Date/Time Drilling Started: 113 3-22-12		Date/Time Total Depth Reached: 1130 3-22-12	
Type of Sampling Device: Trowel/shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90093 (1135)			
Geologist: M Birney				Checked By / Date: <i>Cliff Johnson</i> 3/26/12			
Radiological Background: 12/3/17/74		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.1 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings (CPM)
0.5			0.1	64/14	pancake / Micro (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)		
1.0			0.1	84/15	Surface - scattered grass + soil		
1.0			0.1	84 MB	Silty sand, dark brown (10gr 3/3) 70% fine to med coarse grain sand, 30% silt, cohesive, dense, trace rootlets no odor, no staining, moist	SM	
					TD = 5"		
					NO groundwater encountered		
2.0							
3.0							
4.0							
5.0							
6.0							



# SSFL BORING LOG



NBZ\_056

sheet 1 of 1

East

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: 206	Location ID: 56
Drilling Company: HydroGeoLogic	Driller: T. Morse	Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.
Drilling Equipment: Trowel/shovel	Borehole Diameter: NA	Date/Time Drilling Started: 3/15/12 1526	Date/Time Total Depth Reached: 3/15/12 1533	
Type of Sampling Device: Trowel/shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90095 (1535)	
Geologist: L. Robbins Goldman	Checked By / Date: J. Robbins Goldman 3/16/12			

Radiological Background: 12/2928/61	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.5			0.0	13/108	AF = artificial fill, surface: soil, woodchips grass silty sand; dark brown (10YR 3/3), 65% med. sand, 15% fine sand, 20% silt, dry, loose, low plasticity, non-cohesive, med. dilatancy, no odor or staining, trace rootlets, trace debris-glass	SM AF	1	
1.0			0.0	13/54			2	
2.0							3	
3.0							4	
4.0							5	
5.0							6	

total depth = 0.5'  
no refusal  
no GW encountered  
no (6)

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: A12	Location ID: 56
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 4.0 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/15/12 1540	Date/Time Total Depth Reached: 3/15/12 1613	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90096 (1613)			
Geologist: L. Robbins Goldman	Checked By / Date: L. Robbins Goldman 3/16/12			

Radiological Background: 12/2928/61	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings (CPM)
0.0 - 0.5			0.0	66	Silty sand: dark brown (104R 3/3), 65% med. sand, 15% fine sand, 20% silt, dry, loose, low plasticity, non cohesive, med. dilatancy, no odor or staining, trace rootlets, trace debris - glass.	SM	3578
0.5 - 1.0			0.0	54		AF	4279
1.0 - 1.5			0.0	60			5013
1.5 - 2.0			0.0	54			5406
2.0 - 2.5			0.0	54	Silty sand w/ gravel: brown (104R 5/3), 15% subangular non-native gravel (~2mm), 65% med. sand, 10% fine sand, 10% silt, dry, loose, no odor or staining, large pieces of chlorite fractured slate (fill)	SM	5584
2.5 - 3.0			0.0	66		AF	5740
3.0 - 3.5			0.0	108	Silty sand: dark yellowish brown (104R 3/3), same as described from 0'-2' above, rootlets present, no debris present	SM	5468
3.5 - 4.0			0.0	60			NA
4.0 - 4.5			0.0	66	Sand w/ silt: brownish yellow (104R 6/6), 65% med. sand, 15% fine sand, 20% silt, semi-moist, dense, low plasticity, med. dilatancy, no odor or staining.	SM	NA
4.5 - 5.0						Bedrock	NA
5.0 - 5.5					Sandstone bedrock: brownish yellow (104R 6/6), some iron-oxide nodules, biotite flecks (~1mm), mechanically weathered to SP		
5.5 - 6.0					total depth = 4.0' bgs no GW encountered		

refusal on bedrock  
no anomalies

SSFL BORING LOG

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: East	Location ID: 57
Drilling Company: HGL	Driller: AA Robbins Goldman	Ground Elevation: NA	Total Depth Drilled: 1' 6" + 2' NA ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 08573-23-12	Date/Time Total Depth Reached: 923 3-23-12	
Type of Sampling Device: Handauger	Geologist: M Birney	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)	90097 (6935)	
Radiological Background: 12 / 3448 / 69	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background:	0.0 ppm	

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	108	surface: soil + grass		
0.5			0.2	78	Silty Sand, Dark yellowish brown (10gr 3/4)	Sm	No down hole data collected due to shallow refusal
1.0			0.2	66	75% fine to med coarse grain sand, 25% silt, semi moist, cohesive, low plasticity, no odor, no staining, loose		
2.0			0.2	72	Silty Sand, Dark yellowish brown (10gr 4/4)	sm	
					80% fine to med coarse grain sand, 20% silt, semi moist, cohesive, low plasticity, no odor, no staining, loose, dense	bedrock (SP)	
3.0					Sandstone bed rock, yellowish brown (10gr 5/6) dense, semi moist, mechanically weathered to sp, no odor, no staining.		
4.0					TD 18 inches		
5.0					No groundwater encountered		
6.0							

east

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: A52	Location ID: 58
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 5 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/15/12 1045	Date/Time Total Depth Reached: 3/15/12 1058	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90098 (1125)	
Geologist: L. Robbins Goldman	Checked By / Date: J Robbins Goldman 3/16/12			

Radiological Background: 16/2901/86	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	54	Silty sand: dark yellowish brown (10YR 3/6), 65% med. sand, 15% fine sand, 15% silt, 5% clay, dry, low dense, low plasticity, slow dilatancy, no odor, no staining, trace rootlets in upper 2' of unit	SM	3601
0.5			0.0	72			4833
1.0			0.0	78			5377
1.5			0.0	1278			5718
2.0			0.0	96			5782
2.5			0.0	90		5700	
3.0			0.0	60		5765	
3.5			0.0	78		5842	
4.0			0.0	66		5973	
4.5			0.0	78	4'6" silty sand: dark yellowish brown (10YR 4/6) 75% med. sand, 10% fine sand, 10% silt, 5% clay, (med. sand-sub rounded), semi-moist, med. dense, low plasticity, slow-med. dilatancy, no odor, no staining.	SM	5827
5.0			0.0	66			5701
5.5					50' bedrock sandstone: brownish yellow (10YR 6/6), mechanically weathered	Bedrock (SP)	
6.0					total depth = 5' bgs to SP no GW encountered NO anomalies		

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: east	Location ID: 59
Drilling Company: HGL	Driller: J. LeVangie	Ground Elevation: NA	Total Depth Drilled: 0.8 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 3/22/12 1:56	Date/Time Total Depth Reached: 3/22/12 (1650)	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)	Field No: 90253 (NA) 90099 (1055)		
Geologist: L. Robbins Goldman	Checked By / Date: W. Knight 3-26-12			

Radiological Background: 23/3049/75	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.1 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.1	66	pancake Surface: soil, woodchips, sparse grass			
0.5			0.0	78	Silty sand: dark brown (10YR 3/3), 80% fine to med. sand. 20% <sup>silt</sup> moist, no odor or staining, dense, cohesive, low plasticity	SM		
1.0			NM	NM	0.8' Sandstone bedrock: olive brown (10YR 4/3), moist, dense, no odor or staining	bed-rock		
Total depth = 0.8' or 10" bgs no groundwater encountered								

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: east	Location ID: .60
Drilling Company: HGL	Driller: J. LeVangie	Ground Elevation: NA	Total Depth Drilled: 1 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 3/22/12 1008	Date/Time Total Depth Reached: 3/22/12 1020	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90100 (1024)	
Geologist: L Robbins Goldman	Checked By / Date: C. J. Knight 3-26-12			

Radiological Background: 13/3180/86	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background:	0.1 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0					Surface = soil + grass AF = artificial fill		
0.1			54		Silty sand: very dark grayish brown (10YR 3/2), 75% fine sand, 25% silt, moist, no odor or staining, dense, low plasticity, cohesive, trace rootlets, trace gravel pieces, a melted glass w/ metal encountered (debris)	SM	
0.1			78			AF	NM
0.1			60		Sandstone bedrock: olive brown (10YR 4/3), moist, very dense, no odor or staining, mechanically weathered to SP	bedrock (SP)	
					total depth = 1'		
					no groundwater encountered		
					sample collected from 0-1' bgs		
					no gamma readings due to shallow depth		

# SSFL BORING LOG



NBZ\_061

Sheet: 1 of 1

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: east	Location ID: 61
Drilling Company: HGL	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 2 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 3/22/12 8:08	Date/Time Total Depth Reached: <del>3/22/12 9:40</del> (R6) 3/22/12 0940	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90101 (940)	
Geologist: L Robbins Goldman	Checked By / Date: Will Knudsen 3-26-12			

Radiological Background: 14/3309/71	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings +0.5 = 3248 (CPM)
0.0			72		pancake Surface = soil + grass		
0.5			55		Silty sand: dark brown (10YR 3/3): 75% fine sand, 25% silt, no odor or staining, moist, cohesive, low plasticity, dense, trace rootlets, small charcoal flecks	SM	3310
1.0			60				5307 5705
			80				5705
2.0			80		Sandstone bedrock: olive brown (10YR 4/3) moist, very dense, no odor or staining	Bedrock	6383
3.0							
4.0							
5.0							
6.0							

total depth = 2' bgs  
no groundwater encountered  
no anomalies

**SSFL BORING LOG**

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: east	Location ID: 62
Drilling Company: HGL	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 35 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 3/21/12 1510	Date/Time Total Depth Reached: 3/28/12 1533(G) 1550	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.), 90102 (1555)		Checked By / Date: Will Thuttho 3-28-12	
Geologist: L Robbins Goldman	Radiological Background: IS/328/76	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm	

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. 105 = 3118 (CPM)
0.0			0.0	72	Surface = grass + soil AF = artificial fill		
0.5			0.0	96	Silty sand: dark brown (10YR 3/3), moist, loose, 65% fine sand, 35% silt, cohesive, no odor or staining, trace rootlets, trace gravel fragments (angular)	SM AF	3226 4265
1.0			0.0	72			5094
			0.0	54			5478
2.0			0.0	72			5578
			0.0	84	← 3'3" large elderberry roots encountered		5659
3.0			0.0	96			5551
			0.1	102	Sandstone bedrock: yellowish brown (10YR 6 5/4), dense, moist, mechanically weathered to SP, no odor or staining	Bed Rock (SP)	5244
4.0							
5.0							
6.0							

total depth = 35' bgs  
no groundwater encountered  
no anomalies

**SSFL BORING LOG**

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: east	Location ID: 63	
Drilling Company: HGL		Driller: M. Birney		Ground Elevation: NA		Total Depth Drilled: 1.5 ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3.0 inches		Date/Time Drilling Started: 3/24/12 1430		Date/Time Total Depth Reached: 3/24/12 1450	
Type of Sampling Device: Handauger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90103 (1450)			
Geologist: LR Goldman				Checked By / Date: Duff Knight 3-28-12			
Radiological Background: 14/3455/87		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background:		0.0 ppm	
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	54	pancake Silty sand: dark brown (10YR 3/3), 80% fine to med. sand, 20% silt, moist, no odor or staining, low plasticity, med. dense.	SM	NM
0.5			0.0	54			
1.0			0.0	60	sandstone bedrock: dark yellowish brown (10YR 4/4), moist, no odor or staining, mechanically weathered to SP		
2.0			0.0	78			
<p>total depth = 1.5' bgs no groundwater encountered refusal on sandstone sample collected from 0.0' - 1.5'</p>							
3.0							
4.0							
5.0							
6.0							

# SSFL BORING LOG

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: east	Location ID: 64	1.25'
Drilling Company: HGL	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 14' ft bgs.		
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 3/28/12 1330	Date/Time Total Depth Reached: 3/28/12 1350		
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90104 (1350)		
Geologist: L Robbins Goldman	Checked By / Date: M. Knight 3-28-12				

Radiological Background: 15 / 3229 / 80	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.1 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			54		Surface: soil, grass			NM
0.5			56		Silty sand: <del>70%</del> very dark grayish brown (10YR 3/2) 75% fine to med sand, 25% silt, no odor or staining, moist, loose, trace rootlets.	SM		NM
1.0			48		Sparse + scattered asphalt chunks on the surface.			NM
2.0			72		Sandstone bedrock: yellowish brown (10YR 5/4), moist, no odor or staining.	Bedrock		NM
					Total depth 14 ft. 3 in.			
					NO groundwater encountered			
					no gamma downhole readings due to total depth			
					Sample collected from 0.0' to 14' bgs 1.25'			

# SSFL BORING LOG



NBZ\_065

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: east	Location ID: 65
Drilling Company: HGL	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 2 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 3/2/12 1050	Date/Time Total Depth Reached: 3/2/12 1110	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90105(1120)	
Geologist: L. Roberts Goldman	Checked By / Date: Dell Thumt 3.28.12			

Radiological Background: 12/3021/76	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background:	0.1 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings (CPM)
					Surface = soil + sparse weeds		+0.5 = 2915
0.5			0.0	66	Silty sand: brown (10YR 4/3), 65% fine sand, 10% med sand, 25% silt, moist, no odor or staining, cohesive, low plasticity, trace rootlets, loose	SM	3001
			0.0	72			4724
1.0			0.0	48			5301
			0.0	72			5473
2.0			0.0	84	sandstone bedrock: light yellowish brown (10YR 6/4) fine to med. grained, semi-moist, no odor or staining, mechanically weathered to SP	Bed-rock	5532
3.0							
4.0							
5.0							
6.0							

total depth = 2' bgs  
no groundwater encountered  
no anomalies

# SSFL BORING LOG



NBZ\_066

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: East	Location ID: 66
Drilling Company: HGL	Driller: M Binney	Ground Elevation: NA	Total Depth Drilled: 3 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 909 3-21-12	Date/Time Total Depth Reached: 1001 3-21-12	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90106 (1000)	
Geologist: L Robbins Goldman	Checked By / Date: Will [Signature] 3-28-12			

Radiological Background: 14/3221/60	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. 10.5 = 3257 (CPM)
0.0			78		Surface: grass + soil		
0.5			94		Silty sand: dark brown (10YR 3/3), 75% fine to med. sand, 25% silt, moist, cohesive, low plasticity, no odor or staining, loose, abundant rootlets, some mica flecks + quartz grains	SM	3448
1.0			72				3944
							4886
			96		1'6" silty sand: (10YR 5/4) yellowish brown, unit is the same as described above.	SM	5018
2.0			66				5189
			84				5226
3.0			54		3' Sandstone bedrock: yellowish brown (10YR 5/4) moist, dense, mechanically weathered to Sp, trace rootlets in upper contact	Bedrock (Sp)	5030
					total depth = 3' bgs no groundwater encountered no anomalies		
4.0							
5.0							
6.0							



east

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: A02	Location ID: 67
Drilling Company: Boat Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 2.5 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/16/12 1110	Date/Time Total Depth Reached: 3/16/12 1118	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90107-1140	
Geologist: I. Starn	Checked By / Date: Chill/Kumbha 3-19-12			
Radiological Background: 9 / 3366 / 51	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 00 ppm		

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	54	Silty Sand, Dark Yellowish Brown (4/4 10YR) 60% fine sand, 40% silt, trace rootlets, dry low dense, no odor or staining	SM	3399
0.5			0.0	48			4751
1.0			0.0	54	Silty Sand, Strong Brown (5/8 7.5YR) 80% fine sand, 20% silt, moist, med. dense, no odor or staining	SM	5448
			0.0	60			5622
2.0			0.0	60			5487
3.0			0.0	54	Sand w/ silt, Yellowish Brown (5/6 10YR) 90% fine sand, 10% silt, moist, high dense, no odor or staining	SP	5243
4.0							
5.0							
6.0							

TD = 2.5 ft bgs  
NO gw encountered

# SSFL BORING LOG



Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ		Group: A42		Location ID: 68	
Drilling Company: Boart Longyear		Driller: Don Hansen		Ground Elevation: NA		Total Depth Drilled: 3.5 ft bgs.			
Drilling Equipment: 6600 Geoprobe		Borehole Diameter: 1.75 in.		Date/Time Drilling Started: 3/16/12 0931		Date/Time Total Depth Reached: 3/16/12 0938			
Type of Sampling Device: 1.75 macrocore with acetate liner				Samples Collected: 90108 - 1005 One 1/2 Gallon Bag (Approx 8 lbs.)					
Geologist: I. Stone				Checked By / Date: Cliff Knight 3-19-12					
Radiological Background: 9 / 3011 / 31		Radiological Equipment Used: Micro R / Downhole / Pancake Meters			PID Used: Mini Rae 2000 - Background: 0.0 ppm				

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings 0.5 = 2954 (CPM)
0.5			0.0	48	Silly Sand, Dark yellowish brown (3/4 10YR) 80% fine sand, 20% silt, trace rootlets, dry, low dense, no odor or staining	SM	3281
			0.0	66	----- Silly Sand, Dark Brown (3/3.75 YR) 70% fine sand, 30% silt, moist, med dense, no odor or staining	SM	4238
1.0			0.0	54			5026
			0.0	60			5360
2.0			0.0	72	Sand w/silt Strong Brown (4/6 7.5 YR) 85% fine sand, 5% medium sand, 10% silt, moist, med dense, no odor or staining	SP	5505
			0.0	78	----- Sand (weathered silty) Brownish Yellow (6/6 10YR) 80% fine sand, 15% medium sand, 5% silt, moist, high dense, no odor or staining	SP	5789
3.0			0.0	66			5760
			0.0	66			5454
4.0					TD = 3.5 ft bgs  No LW encountered		
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: East	Location ID: 69
Drilling Company: HGL	Driller: CRK	Ground Elevation: NA	Total Depth Drilled: 4 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 3:59 3-20-12	Date/Time Total Depth Reached: 1443 3-20-12	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90109 (1443)	
Geologist: M Birney	Checked By / Date: Jeff Young/AT 3-21-12			

Radiological Background: 21 / 3523 / 72	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background:	0.1 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. CPM
0.0			0.1	78	<p><i>Pancake</i></p> <p>(Include lithology, grain size, sorting, angularity, Munsell color name &amp; notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)</p> <p>Silty sand; very dark brown (10yr 2 1/2) 70% fine sand 30% silt, <del>semi</del> moist, loose, low plasticity, cohesive, trace rootlets, mica flakes no odor, no staining</p>	SM	3683
0.5			0.1	84		4670	
1.0			0.1	78		5375	
1.5			0.1	78		5537	
2.0			0.1	72		5824	
2.5			0.1	72	5909		
3.0			0.1	66	<p>2'9" - - - dashed - - -</p> <p>silty sand, dark yellowish brown (10yr 4/4) 80% fine to med. sand 20% silt, <sup>semi</sup> moist loose, low plasticity, cohesive, mica flakes no odor or staining</p>	SM	6079
3.5			0.1	90			6027
4.0			0.1	90	<p>4' bedrock</p> <p>sandstone bedrock w/ interbedded siltstone light yellowish brown (10yr 6/4), low plasticity, cohesive, semi moist no odor, no staining</p>	Bedrock	7087
5.0					no groundwater		
6.0					TD = 4'		
					No anomalies		

# SSFL BORING LOG



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: East	Location ID: 70
Drilling Company: HGL	Driller: CRK	Ground Elevation: NA	Total Depth Drilled: 2' ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 1508 3-20-12	Date/Time Total Depth Reached: 1544 3-20-12	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90110 (1547)	
Geologist: M Birney	Checked By / Date: Will Knut 3-21-12			

Radiological Background: 17/2991/75	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	120	<p><i>Pancake</i></p> <p>Silty sand, dark brown (10gr 3/3) 70% fine to med sand, 30% silt, semi moist, <del>low plasticity</del> low plasticity, cohesive, trace rootlets, plastic netting present on surface no odor, no staining.</p>	SM	3338
0.5			0.0	66		4584	
1.0			0.0	60		5446	
			0.0	90		5820	
2.0			0.0	96		6006	
					<p>weathered sandstone bedrock, light yellowish brown (10gr 6/4), mechanically weathered to SP, fine grain sandstone, no odor, drg, high density</p> <p>no groundwater TD = 2' No anomalies</p>	Bed. rock	
3.0							
4.0							
5.0							
6.0							



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: NBZ	Location ID: 71
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 5 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/19/12 0852	Date/Time Total Depth Reached: 3/19/12 0900	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: 90111-0930 One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: I. Stone		Checked By / Date: [Signature] 3-20-12		

Radiological Background: 11 / 2669 / 71	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. +0.5' = 2791 (CPM)
0.5			0.0	72	Silty Sand Dark Yellowish Brown (3/6 10YR) 70% fine sand, 30% silt, trace rocklets, moist, low dense, no odor or staining	SM	3406
			0.0	66	Silty Sand, Yellowish Brown (5/4 10YR) 60% fine sand, 20% medium sand, 20% silt, dry, med dense, no odor or staining	SM	5350
1.0			0.0	96			6708
			0.0	72			6907
2.0			0.0	60	Sand w/ silt Brownish Yellow (6/6 10YR) 60% fine sand, 30% medium sand, 90% silt, dry, med dense, no odor or staining	SP	6679
			0.0	36			6606
3.0			0.0	54			6971
			0.0	84			7978
4.0			0.0	72			8837
			0.0	66			9059
5.0			0.0	66	Silty Sand, Dark yellowish brown (4/6 10YR) 70% fine sand, 30% silt, dry, high dense, no odor or staining	SM	9036
6.0					TD = 5ft bgs, refusal on sandstone (C10) no gw encountered no anomalies detected		

East 63

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: ABZ	Location ID: 72
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 7 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/16/12 1353	Date/Time Total Depth Reached: 3/16/12 1403	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: J. Stone	Checked By / Date: Duff Knudsen 3/19/12			

Radiological Background: 8 / 2656 / 41	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 00 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings +0.5' = 3003 (CPM)
0.0			0.0	60	Silty Sand, Dark yellowish brown (4/4 10YR) 70% fine sand, 30% silt, trace gravel (sandstone, max size = 0.5"), trace rootlets, dry, low dense, no odor or staining	SM	3328
0.5			0.0	72	Silty Sand, Brown (4/4 7.5YR) 60% fine sand, 40% silt, dry, low dense, no odor or staining	SM	4634
1.0			0.0	60	Silty Sand w/clay Strong Brown (5/6 7.5YR)		5059
2.0			0.0	78	65% fine sand, 25% silt, 10% clay, moist, med dense, no odor or staining, slow dilatancy	SM	5270
3.0			0.0	54			5261
4.0			0.0	60			5146
5.0			0.0	54	Sand w/silt, Strong Brown (5/6 7.5YR) <sup>63</sup> Yellowish Brown (5/6 10YR)	SP	5093
6.0			0.0	78	90% fine sand, 10% silt, moist, med dense, no odor or staining		4884
			0.0	42			4943
			0.0	60			4626
			0.0	54			4719
			0.0	66			4828
			0.0	84	Same as above	SP	4956



east

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: NBZ (6)	Location ID: 73
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 10 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/19/12 1332	Date/Time Total Depth Reached: 3/19/12 1338	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: 90113-1420 One 1/2 Gallon Bag (Approx 8 lbs.)			
Geologist: I. Stone	Checked By / Date: J. Rollins / 3/20/12			

Radiological Background: 12 / 2818 / 68	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings +0.5' = 3090 (CPM)	
0.5			0.0	54	Silty Sand, Very dark grayish brown (3/2 10YR) 70% fine sand, 30% silt, trace rootlets, moist, low dense, no odor or staining	SM		3022	
			0.0	60					4120
1.0			0.0	72				1	5323
			0.0	78					5533
2.0			0.0	66	Silty Sand, Dark Yellowish Brown (4/4 10YR) 75% fine sand, 25% silt, dry, trace rootlets, low dense, no odor or staining	SM	2	5762	
			0.0	54					5804
3.0			0.0	66				3	5750
			0.0	78					5670
4.0			0.0	78	Silty Sand, Dark Yellowish Brown (4/6 10YR) 70% fine sand, 10% medium sand, 20% silt, moist, med dense, no odor or staining, slight mottling	SM	4	5831	
			0.0	72					5595
5.0			0.0	84				5	5413
			0.0	54					5465
6.0			0.0	60			6	5521	



east

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: ABZ	Location ID: 74
Drilling Company: Boart Longyear	Driller: Don Hansen	Ground Elevation: NA	Total Depth Drilled: 1.5 ft bgs.	
Drilling Equipment: 6600 Geoprobe	Borehole Diameter: 1.75 in.	Date/Time Drilling Started: 3/19/12 1038	Date/Time Total Depth Reached: 3/19/12 1043	
Type of Sampling Device: 1.75 macrocore with acetate liner	Samples Collected: 90114 - 1110		One 1/2 Gallon Bag (Approx. 0.5 lbs.)	
Geologist: I. Stone	Checked By / Date: Robbin Fedman 3/20/11			

Radiological Background: 15 / 3305 / 78	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. +0.5' = 3120 (CPM)
0.0 - 0.5			0.0	54	Silty Sand, Dark Yellowish Brown (3/4 10YR) 70% fine sand, 30% silt, moist, low dense, no odor or staining	SM	3550
0.5 - 1.0			0.0	66	Silty Sand, Yellowish brown (5/6 10YR)	SM	5423
1.0 - 2.0			0.0	72	60% fine sand, 20% silt, 20% medium sand, 20% silt, dry, med dense, no odor or staining		5316
2.0 - 6.0			0.0	84	Sand (weathered sandstone), very pale brown (7/4 10YR) 75% fine sand, 20% medium sand, tot. 5% silt; dry, high dense, no odor or staining	SP	5416
<p>TD = 1.5 ft bgs</p> <p>No gw encountered</p> <p>Sample collected from 0-1.5 because no surface sample planned at this location.</p> <p>No anomalies were detected</p>							



Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: east	Location ID: 75	
Drilling Company: HGL		Driller: C. Knight		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3.0 inches		Date/Time Drilling Started: 3/20/12 905		Date/Time Total Depth Reached: 3/20/12 905	
Type of Sampling Device: Handauger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90116 (na)			
Geologist: L. Robbins Goldman				Checked By / Date: Cliff [Signature] 3-21-12			
Radiological Background: 22/3751/67		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)		USCS Symbol	Borehole Gamma Readings (CPM)
0.0	0.0		0.0	pancake Silty sand: dark brown (10YR 3/3), 75% fine to med. sand, 25% silt, semi-moist, low plasticity, loose, no odor, no staining		SM	NM
0.5			0.0	refusal on sandstone			
1.0				total depth = 0.5' bgs			
2.0				no groundwater encountered			
3.0				no sample collected			
4.0				Shallow refusal			
5.0							
6.0							



Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: east	Location ID: 76	
Drilling Company: HGL		Driller: M. Birney		Ground Elevation: NA		Total Depth Drilled: 1.08 ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3.0 inches		Date/Time Drilling Started: 3/20/12 0940		Date/Time Total Depth Reached: 3/20/12 0940	
Type of Sampling Device: Handauger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90118 (n/a)			
Geologist: L. Robbins Goldman				Checked By / Date: Cliff Kinoff 3-21-12			
Radiological Background: 21/3850/74		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.5			0.4	78	silty sand: dark brown (10YR 3/3), 75% fine to med sand, 25% silt, semi-moist, low plasticity, loose, no odor or staining  sandstone bedrock (10YR 5/6) yellowish brown, no odor, mechanically weathered to SP, moist, dense (SP)	SM	NM
1.0		0.4	60				
2.0		0.2	72				
total depth = 1' 1" bgs no groundwater encountered no sample collected - <u>shallow refusal</u>							

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: EG-1 max	Location ID: 77	
Drilling Company: HydroGeologic		Driller: C. Knight		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/shovel		Borehole Diameter: NA		Date/Time Drilling Started: 3/20/12 1005		Date/Time Total Depth Reached: 3/20/12 1014	
Type of Sampling Device: Trowel/shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90119 (1015)			
Geologist: L. Robbins Goldman				Checked By / Date: Bill Knight 3-21-12			
Radiological Background: 22/3546/72		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	22/72	Surface: leaves, twigs, soil		
0.5			0.0	25/84	Silty sand: dark brown (10YR 3/3), 75% <sup>fine to med.</sup> sand, 25% silt, moist, loose, no odor or staining, low plasticity, abundant detritus material	SM	
					total depth = 0.5' bgs no groundwater encountered		
1.0							
2.0							
3.0							
4.0							
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NDZ	Group: east	Location ID: 77
Drilling Company: HGL	Driller: C. Knight	Ground Elevation: NA	Total Depth Drilled: 3 ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3.0 inches	Date/Time Drilling Started: 3/20/12 1017	Date/Time Total Depth Reached: 3/20/12 1102	
Type of Sampling Device: Handauger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90120 (1105)	
Geologist: L. Robbins Goldman		Checked By / Date: C. Knight		

Radiological Background: 22/3546/72	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rac 2000 - Background:	0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. +0.5 = 3467 (CPM)
					Surface: leaves, twigs, soil		
0.0			72		Silty sand: dark brown (10YR 3/3), 75% fine to med. sand, 25% silt, moist, no odor or staining, low plasticity, <sup>clay</sup> <del>clay</del> nodules, loose, abundant detritus material	SM	3518
0.5			84				4293
1.0			60		-----		5049
			72		Silty sand: brownish yellow (10YR 6/6), 75% fine sand, 25% silt, moist, no odor or staining, low plasticity, loose	SM	5175
2.0			66				5177
			54				5241
3.0			96		Sandstone bedrock (10YR 6/6), moist, mechanically weathered to SP, no odor or staining	bedrock (SP)	5944
<p>total depth = 3.01 bgs no groundwater encountered</p>							
4.0							
5.0							
6.0							

# SSFL BORING LOG

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: east	Location ID: 78	
Drilling Company: HGL		Driller: J. LeVangie		Ground Elevation: NA		Total Depth Drilled: 05 ft bgs.	
Drilling Equipment: Trowel/Shovel		Borehole Diameter: N/A		Date/Time Drilling Started: 3/27/12 0930		Date/Time Total Depth Reached: 3/27/12 0937	
Type of Sampling Device: Trowel/Shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90121 (940)			
Geologist: LRGoldman				Checked By / Date: DJT/WHH 3/24/12			
Radiological Background: 15 / 94		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	16 / 84	Surface = scensent weeds + soil Sandy <del>silt</del> silty sand: dark olive brown (2.54 3/3), 65% fine to med. sand, 25% silt, 10% clay, no odor or staining, moist, cohesive, dense	SM	
0.5			0.0	15 / 60			
1.0							
2.0							
3.0							
4.0							
5.0							
6.0							

total depth = 0.5' bgs  
no groundwater encountered

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: East	Location ID: NBZ-79	
Drilling Company: HydroGeoLogic, Inc.		Driller: J LeVing, P		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel		Borehole Diameter: NA		Date/Time Drilling Started: 0912 3-30-12		Date/Time Total Depth Reached: 0957 3-30-12	
Type of Sampling Device: Trowel/Shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90122 (1008)			
Geologist: M Birney				Checked By / Date: Cliff Knight 4-2-12			
Radiological Background: NA/3563/169		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.0 ppm			
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	64/3440	Surface - soil w/ tall grass + exposed rocks		
0.5			0.0	84/3762	Silty Sand, Dark brown (10YR 3/3) 65% med sand, 15% fine sand, 20% silt, loose semi moist, cohesive, low plasticity, no odor, no staining, rootlets	SM	
1.0							
2.0							
3.0							
4.0							
5.0							
6.0							
					TD = 0.5 bgs		
					NO groundwater encountered		



Project Name: SSFL Area IV Radiological		Project Number: EP038.01.22.04.03		Subarea: NBZ		Group: West		Location ID: 40	
Drilling Company: HGL		Drillers: W. Birney		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.			
Drilling Equipment: Trowel/shovel		Borehole Diameter: NA		Date/Time Drilling Started: 04/25/09 12:49		Date/Time Total Depth Reached: 04/25/09 12:54 / 0.5			
Type of Sampling Device: Trowel/shovel				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90/24 (93)					
Geologist: C. Garcia				Checked By / Date: Will 9/2/12 4/23/12					
Radiological Background: NA/14/10		Radiological Equipment Used: Micro R / Downhole Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.0 ppm					
Depth (ft bgs)	Interval	Recovery	PID	Description include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable				USCS Symbol	Borehole Gamma Readings (CPM)
0.2			0.2	Surface: mulching, 1/2 liter soil grass					
0.5			0.1	Silty sand 40% Fine sand 50% Med sand 15% silt, trace coarse sand nonplastic non cohesive rootlets loose Moisture no odor or staining. Dry (7/11/3/12) Dark Brown				SM	
2.0				Total Depth 0.5 ft bgs No groundwater encountered.					
4.0				Location in drainage #40 N34 14.201 W118 42.297					



SSFL BORING LOG

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: west	Location ID: 81	
Drilling Company: HGL		Driller: J. LeVangie		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel		Borehole Diameter: N/A		Date/Time Drilling: Started: 4/18/12 0940		Date/Time Total Depth Reached: 4/18/12 0953	
Type of Sampling Device: Trowel/Shovel		Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90126 (950)			
Geologist: Robbins Goldman		Checked By / Date: Bill Hunt 4/19/12					
Radiological Background: 15 / 81		Radiological Equipment Used: Micro R / Downhole / Pancake Meters			PID Used: Mini Rae 2000 - Background: 0.0 ppm		
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			16/60		Surface: leaves, wooden twigs		
0.5			0.0		silty sand: very dark brown (10YR2/2), 60% fine sand, 40% silt, dry, very loose, noncohesive, trace rootlets, leaves + sticks, insect parts	SM	
1.0					no GW encountered		
					TD = 0.5' bgs		
					location moved ~10' south due to dense veg. + poison oak		
					GPS position:		
					6344874.182E		
					1908201.850N		
2.0							
3.0							
4.0							
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study	Project Number: EPQ38.01.22.04.03	Subarea: NBZ	Group: <i>West</i>	Location ID: <i>82</i>
Drilling Company: HydroGeologic, Inc.	Driller: <i>M. Birney</i>	Ground Elevation: NA	Total Depth Drilled: <i>0.5</i> ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: <i>1044</i>	Date/Time Total Depth Reached: <i>4/19/12 / 1046 / 0.5</i>	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		<i>90127 (1120) 90261 (NA)</i>	
Geologist: <i>C. Carcia</i>	Checked By / Date: <i>diff / 4/19/12</i>			

Radiological Background: <i>NA 2345 / 53</i>	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background:	<i>01</i> ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.5			<i>0.1</i>	<i>60</i>	<p>Surface leaf litter, sandstone crattered grass</p> <p>Silt + ye sand, (5YR/3/1) very dark gray, 70% fine sand 15% med sand 15% silt 2% coarse sand, non plastic non cohesive loose, moist, no odor or staining.</p>	<i>SM</i>		
1.0			<i>0.1</i>	<i>31</i>				
2.0				<i>54</i>				
3.0				<i>37</i>				
4.0								
5.0								
6.0								

total Depth 0.5 ft bgs  
No groundwater encountered.

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: <u>West</u>	Location ID: <u>52</u>	
Drilling Company: HydroGeoLogic, Inc.		Driller: <u>M. Birney</u>		Ground Elevation: NA		Total Depth Drilled: <u>44 inches</u> <u>3.6700</u> ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3 inches		Date/Time Drilling Started: <u>11/09</u>	Date/Time Total Depth Reached: <u>4/13/12</u> / <u>11:20</u>	<u>3.67</u> ft bgs. <u>44 inches</u>	
Type of Sampling Device: Hand Auger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		<u>90126</u> ( <u>1175</u> )	
Geologist: <u>C. Garcia</u>				Checked By / Date: <u>[Signature]</u> <u>4/19/12</u>			
Radiological Background: <u>NA 3345 / 53</u>		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background:		<u>0.1</u> ppm	

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.1	60	Surface leaf litter scattered cross hole silty sand, (5YR/3/1), very dark gray, 70% fine sand, 13% med sand, 2% coarse sand 15% silt, non plastic, non cohesive, loose, moist, no odor or staining	SM	0.5	3244
0.5			0.1	54				4140
1.0			0.2	54			1	4772
1.5			0.2	72				5058
2.0			0.1	102	Clayey silty clay, 45% clay 15% silt non plastic, cohesive (clayey) no odor or staining, reddish brown.	CL	2	5155
2.5			0.2	42	40% fine sand medium coarse, moist, (5YR/4/3)	CL		5372
3.0			0.1	102	silty clay 35% clay 30% silt 30% med sand. 5% fine sand Reddish gray (5YR/5/2) non plastic cohesive, medium coarse, moist, no odor or staining	CL	3	5473
3.5			0.0	50				5501
4.0					mechanically weathered sandstone bedrock (5YR/5/3) reddish brown Quartzite non cohesive non plastic no odor or staining Total depth 44 inches 3.6700 No groundwater encountered	(SP)	4	
5.0							5	
6.0							6	

No Anomalies

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: 207	Location ID: 83
Drilling Company: HydroGeoLogic, Inc.		Driller: C Garcia	Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.
Drilling Equipment: Trowel/Shovel		Borehole Diameter: NA	Date/Time Drilling Started: 4-12-13 1358	Date/Time Total Depth Reached: 4-12-13 1415	
Type of Sampling Device: Trowel/Shovel			Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 90129 (1415)		
Geologist: M Binney			Checked By / Date: Cliff Thompson 4/19/12		
Radiological Background: NA 3382 / 60		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 3000 - Background: 0.0 ppm	

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	85 / 3200	Surface! tall grasses, poison oak		
0.5			0.0	45 / 3300	silty sand, very dark brown (7.5yr 2.5/3) 55% fine sand, 45% silt, loose, semi moist, trace rootlets, charcoal, non plasticity, no odor, no staining	SM	
1.0							1
2.0							2
3.0							3
4.0							4
5.0							5
6.0							6

TP 0.5' bgs  
NO groundwater

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea:NBZ	Group: <del>W01</del>	Location ID: 83
Drilling Company: HydroGeoLogic, Inc.	Driller: C Garcia	Ground Elevation: NA	Total Depth Drilled: 2' 10" ft bgs.	
Drilling Equipment: Hand Auger	Borehole Diameter: 3 inches	Date/Time Drilling Started: 4-12-12 1417	Date/Time Total Depth Reached: 4-12-12 1443	
Type of Sampling Device: Hand Auger	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90BD (1453)	
Geologist: M Birney	Checked By / Date: Cliff Knott 4/14/12			

Radiological Background: NA 3292/60	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.5			0.0	85/86 ms	Silty sand, very dark brown (7.5 yr 2.5/3) 55% fine sand, 45% silt, base, semi moist, trace rootlets, charcoal, non plasticity, non cohesive; no odor, no staining	sm	3833
1.0			0.0	95/96 ms			4287
1.5			0.0	76			4631
2.0			0.0	90	sandy silt, very dark brown (7.5 yr 2.5/2) 60% silt, 30% fine sand, 10% clay, soft, semi moist, cohesive, low plasticity, no odor, no staining	ml	4628
2.5			0.0	86			4981
3.0			0.0	86	silty sand, dark yellowish brown, (10 yr 4/4) mottled 60% fine sand, 25% med sand, 15% silt, loose semi moist, non plasticity, mottling, no odor, no staining	sm	4370
3.5					TD = 34" no groundwater encountered no anomalies	Bedrock (SP)	4941 @ 34"
4.0					Bedrock, mechanically weathered sandstone yellowish brown (10 yr 5.8) oxidation of bedrock, no odor, no staining, siltstone present in bedrock.		
5.0							
6.0							

# SSFL BORING LOG



NBZ\_084

Set 1 of 1

WEST

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: WEST	Location ID: 84
Drilling Company: HydroGeoLogic	Driller: J. LeVangie	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/shovel	Borehole Diameter: NA	Date/Time Drilling Started: 4/10/12 1057	Date/Time Total Depth Reached: 4/10/12 1110	
Type of Sampling Device: Trowel/shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90131 (1110)	
Geologist: L. Robbins Goldman	Checked By / Date: Cliff Knight 4-11-12			

Radiological Background: 15/3485/72	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 2000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			0.0	15/84	<p>surface: twigs, grass + soil</p> <p>Sand w/ silt: very dark brown (10YR 2/2), 70% fine sand, 20% med sand, 10% silt, moist, no odor or staining, non cohesive, loose, trace rootlets, charcoal flakes up to ~5mm, sparse/trace siltstone cobbles</p>	SM	0.5	
0.5			0.0	15/72			1.0	
1.0							1.5	
1.5							2.0	
2.0							2.5	
2.5							3.0	
3.0							3.5	
3.5							4.0	
4.0							4.5	
4.5							5.0	
5.0							5.5	
5.5							6.0	
6.0							6.5	

no GW encountered  
total depth = 0.5' bgs  
location not moved



Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: west	Location ID: 85	
Drilling Company: HGL		Driller: J. LeVangie / M. Birney		Ground Elevation: NA		Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/Shovel		Borehole Diameter: N/A		Date/Time Drilling Started: 4/10/12 1349		Date/Time Total Depth Reached: 4/10/12 (1357)	
Type of Sampling Device: Trowel/Shovel		Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90133 (1357)			
Geologist: LR Goldman				Checked By / Date: [Signature] 4-11-12			
Radiological Background: 13/3419/72		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background:		0.0 ppm	
Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	0.14 60 14 102	<p>← MR/pancake</p> <p>surface: wooden twigs, leaves</p> <p>Silty sand w/ gravel: very dark brown (10YR 2/2), 65% fine sand, 25% silt, 10% med sand, moist non cohesive, no odor or staining, trace organics including leaf + wood pieces, trace charcoal + rootlets</p> <p>no GW encountered TD = 0.5' bgs</p>	SM	
0.5			0.0				
1.0							
2.0							
3.0							
4.0							
5.0							
6.0							

0

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NBZ	Group: west	Location ID: 85	
Drilling Company: HGL		Driller: J. LeVangie/M. Birney		Ground Elevation: NA		Total Depth Drilled: 1.4' ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 2.75 inches		Date/Time Drilling Started: 4/10/12		Date/Time Total Depth Reached: 4/10/12	
Type of Sampling Device: Handauger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90134 (1428)	
Geologist: URGeldman				Checked By / Date: [Signature] 4-11-12			
Radiological Background: 13/3419/72		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm			

Depth (ft bgs)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings (CPM)
0.0			0.0	60	Surface: wooden twigs, leaves pancake Silty sand w/ gravel: very dark brown (10YR 2/2)	SM	3503
0.5			0.0	102	very @ 65% fine sand, 25% silt, 10% med sand, moist, non cohesive, no odor or staining, trace organics including leaf + wood pieces, trace charcoal + rootlets		4234
1.0			0.0	90			4692
2.0			AM	AM	1.4' bgs Sandstone bedrock/SP: yellowish brown 10YR (5/8), moist, no odor or staining, siltstone nodules (small size), mechanically weathered to SP	bed rock (SP)	hole not widened to bottom
3.0					TD = 1.4' bgs refusal on sandstone no GW encountered no anomalies		
4.0							
5.0							
6.0							

Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: West	Location ID: 086
Drilling Company: HydroGeoLogic, Inc.	Driller: M. Hurney	Ground Elevation: NA	Total Depth Drilled: 5.62 Zinches ft. bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: 11/19/12	Date/Time Total Depth Reached: 11/40 / 0.5 Zinches.	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		90135	(1155) 90260 (199)
Geologist: C. Garcia	Checked By / Date: M. Hurney 11/20/12			

Radiological Background: 6734/09	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: Oil ppm
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Depth (ft bgs)	Interval	Recovery	PID	Description	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0	0.0 - 0.5	0.0	8.0	Surface: Moss, sandstone, cross soil Silty sand; (10R/3/2) very dark gray sh 100% fine sand, 70% med sand, 70% silt Rootlets, Moss, leaf, non cohesive non plastic, no odor or staining sandstone mechanically weathered Bedrock sandstone.	SM SP SD	0.5	
1.0						1	
2.0						2	
3.0						3	
4.0						4	
5.0						5	
6.0						6	

Total Depth 5.62 ft bgs Zinches  
No groundwater encountered



Project Name: SSFL Area IV Radiological Study	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: <i>West</i>	Location ID: <i>47</i>
Drilling Company: HydroGeoLogic, Inc.	Driller: <i>M. Birney</i>	Ground Elevation: NA	Total Depth Drilled: <i>0.5</i> ft bgs.	
Drilling Equipment: Trowel/Shovel	Borehole Diameter: NA	Date/Time Drilling Started: <i>10:00</i>	Date/Time Total Depth Reached: <i>04/19/12/10:05</i>	
Type of Sampling Device: Trowel/Shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		<i>90137 (019)</i>	
Geologist: <i>Claudia</i>	Checked By / Date: <i>Clay 9/11/12 4-20-12</i>			

Radiological Background: <i>NA/7074/CO</i>	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: <i>0.0</i> ppm
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Depth (ft. bgs.)	Interval	Recovery	PID	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Feet bgs.	Borehole Gamma Readings (CPM)
0.0			<i>0.0</i>	<i>Surface: sandstone, grass, vegetation</i>			
0.5			<i>0.0</i>	<i>Silty sand, 60% fine sand, 20% med sand, 20% silt (7.5/42/2.5/1) very dark brown trace coarse sand loose wet non cohesive, non plastic no odor or staining</i>	<i>SM</i>		
1.0							
2.0							
3.0							
4.0							
5.0							
6.0							

Total Depth 0.5 ft bgs  
No groundwater encountered.



Project Name: SSFL Area IV Radiological	Project Number: EP038.01.22.04.03	Subarea: NBZ	Group: 1 NBZ	Location ID: CP
Drilling Company: Boart Longyear	Driller: M. Birney	Ground Elevation: NA	Total Depth Drilled: 0.5 ft bgs.	
Drilling Equipment: Trowel/shovel	Borehole Diameter: NA	Date/Time Drilling Started: 10:55 04/17/12	Date/Time/Total Depth Reached: 10:58 0.5	
Type of Sampling Device: Trowel/shovel	Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.)		901 <del>902</del> <del>903</del> <del>904</del> <del>905</del> <del>906</del> <del>907</del> <del>908</del> <del>909</del> <del>910</del> <del>911</del> <del>912</del> <del>913</del> <del>914</del> <del>915</del> <del>916</del> <del>917</del> <del>918</del> <del>919</del> <del>920</del> <del>921</del> <del>922</del> <del>923</del> <del>924</del> <del>925</del> <del>926</del> <del>927</del> <del>928</del> <del>929</del> <del>930</del> <del>931</del> <del>932</del> <del>933</del> <del>934</del> <del>935</del> <del>936</del> <del>937</del> <del>938</del> <del>939</del> <del>940</del> <del>941</del> <del>942</del> <del>943</del> <del>944</del> <del>945</del> <del>946</del> <del>947</del> <del>948</del> <del>949</del> <del>950</del> <del>951</del> <del>952</del> <del>953</del> <del>954</del> <del>955</del> <del>956</del> <del>957</del> <del>958</del> <del>959</del> <del>960</del> <del>961</del> <del>962</del> <del>963</del> <del>964</del> <del>965</del> <del>966</del> <del>967</del> <del>968</del> <del>969</del> <del>970</del> <del>971</del> <del>972</del> <del>973</del> <del>974</del> <del>975</del> <del>976</del> <del>977</del> <del>978</del> <del>979</del> <del>980</del> <del>981</del> <del>982</del> <del>983</del> <del>984</del> <del>985</del> <del>986</del> <del>987</del> <del>988</del> <del>989</del> <del>990</del> <del>991</del> <del>992</del> <del>993</del> <del>994</del> <del>995</del> <del>996</del> <del>997</del> <del>998</del> <del>999</del> <del>1000</del>	
Geologist: C. Carra	Checked By / Date: C. Carra 4-18-12			

Radiological Background: NA/3452/107	Radiological Equipment Used: Micro R / Downhole / Pancake Meters	PID Used: Mini Rae 3000 - Background: 0.0 ppm
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Depth (ft bgs)	Interval	Recovery	PID	Description	USCS Symbol	Borehole Gamma Readings (CPM)
0.0				Surface: Sand		
0.1			3900	Partly <del>fine</del> med sand, Dark Brown		
0.5			90	40% fine sand, 60% med sand.	SP	
1.0			57	50 (7.5/1/36) med sand, 50% gravel Moist, no odor or staining Loose, non plastic non cohesive		
<p>Total Depth 0.55 ft bgs. No groundwater encountered.</p>						
<p>Location <del>CP</del> MOVED due to Access Random surface of N 63 45 W 1359.2170 W 118 42 57.5098</p>						

Project Name: SSFL Area IV Radiological Study		Project Number: EP038.01.22.04.03		Subarea: NWE	Group: West	Location ID: 86	
Drilling Company: HGL		Driller: M. Birney		Ground Elevation: NA		Total Depth Drilled: 20 inches 1.67 ft bgs.	
Drilling Equipment: Hand Auger		Borehole Diameter: 3.0 inches		Date/Time Drilling Started: 11/12		Date/Time Total Depth Reached: 04/17/12 11:20 1.67 bgs	
Type of Sampling Device: Handauger				Samples Collected: One 1/2 Gallon Bag (Approx 8 lbs.) 901 <del>940</del> 1106 1110			
Geologist: C. Carcia				Checked By / Date: Will King 4-18-12			
Radiological Background: NA 3452 / 107		Radiological Equipment Used: Micro R / Downhole / Pancake Meters		PID Used: Mini Rae 2000 - Background: 0.0 ppm			
Depth (ft bgs.)	Interval	Recovery	PID	Radiological	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Borehole Gamma Readings Feet bgs. 3521 (CPM)
0.1			0.1	Pancake	Room graded med sand; Dark Brown; Moist; Loose, non plastic non cohesive.	SP	3695
0.5			0.5		40% Fine sand 50% med sand 5% silt 2% coarse sand 2% gravel subrounded; (7.5 yr 1/2)		4220
1.0			1.5		GW encountered at 13 inches		4554
			0.2		Mechanically weathered Bedrock sandstone	SP	NM.
					Total Depth 1.67 ft bgs GW encountered at 1.15 ft bgs.		