Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory:** LL

EDD Filename: PrepDE051_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: METALS **Method:** 6010B **Matrix:** SO

Sample ID: SL-158-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 12:09:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1970		6.80	MDL	22.2	PQL	mg/Kg	J	E
IRON	18700		5.22	MDL	22.2	PQL	mg/Kg	J	E
MAGNESIUM	3790		2.82	MDL	11.1	PQL	mg/Kg	J	E
PHOSPHORUS	397		0.621	MDL	11.1	PQL	mg/Kg	J	Q
POTASSIUM	3350		20.0	MDL	55.4	PQL	mg/Kg	J	Q
STRONTIUM	15.6		0.0687	MDL	0.554	PQL	mg/Kg	J	E
TIN	2.35	J	1.11	MDL	11.1	PQL	mg/Kg	J	Z
Zirconium	2.09	J	0.931	MDL	5.54	PQL	mg/Kg	J	Z

Method Category: METALS **Method:** 6020 **Matrix:** AQ

Sample ID: EB08-SA5B-122210 *Collected:* 12/22/2010 11:45:00 *Analysis Type:* REA5 *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.000055	J	0.000052	MDL	0.0010	PQL	mg/L	U	B

Method Category: METALS **Method:** 6020 **Matrix:** SO

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.121	J	0.0463	MDL	0.463	PQL	mg/Kg	U	B

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	98.1		0.125	MDL	0.463	PQL	mg/Kg	J	A

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	11.2		0.0735	MDL	0.446	PQL	mg/Kg	J	E

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	39.4		0.0245	MDL	0.111	PQL	mg/Kg	J	E

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0960	J	0.0695	MDL	0.232	PQL	mg/Kg	UJ	Q, B
ARSENIC	4.90		0.0695	MDL	0.463	PQL	mg/Kg	J	Q, E, E
CHROMIUM	16.6		0.139	MDL	0.463	PQL	mg/Kg	J	A
COBALT	5.52		0.0232	MDL	0.116	PQL	mg/Kg	J	A
SILVER	0.0302	J	0.0139	MDL	0.116	PQL	mg/Kg	J	Z

Sample ID: SED-010-SIV-SD-0.0-0.5 *Collected:* 12/22/2010 10:10:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.137	J	0.0465	MDL	0.465	PQL	mg/Kg	U	B

Sample ID: SED-010-SIV-SD-0.0-0.5 *Collected:* 12/22/2010 10:10:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	72.5		0.126	MDL	0.465	PQL	mg/Kg	J	A

Sample ID: SED-010-SIV-SD-0.0-0.5 *Collected:* 12/22/2010 10:10:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	5.42		0.0775	MDL	0.470	PQL	mg/Kg	J	E
VANADIUM	23.9		0.0258	MDL	0.117	PQL	mg/Kg	J	E

Sample ID: SED-010-SIV-SD-0.0-0.5 *Collected:* 12/22/2010 10:10:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0698	U	0.0698	MDL	0.233	PQL	mg/Kg	UJ	Q
ARSENIC	9.04		0.0698	MDL	0.465	PQL	mg/Kg	J	Q, E, E
CHROMIUM	11.8		0.140	MDL	0.465	PQL	mg/Kg	J	A
COBALT	4.17		0.0233	MDL	0.116	PQL	mg/Kg	J	A
SILVER	0.0232	J	0.0140	MDL	0.116	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-024-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 10:01:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.152	J	0.0501	MDL	0.501	PQL	mg/Kg	U	B

Sample ID: SL-024-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 10:01:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	94.8		0.135	MDL	0.501	PQL	mg/Kg	J	A

Sample ID: SL-024-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 10:01:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	7.76		0.0795	MDL	0.482	PQL	mg/Kg	J	E
VANADIUM	35.8		0.0265	MDL	0.120	PQL	mg/Kg	J	E

Sample ID: SL-024-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 10:01:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0752	U	0.0752	MDL	0.251	PQL	mg/Kg	UJ	Q
ARSENIC	5.86		0.0752	MDL	0.501	PQL	mg/Kg	J	Q, E, E
CHROMIUM	19.8		0.150	MDL	0.501	PQL	mg/Kg	J	A
COBALT	6.01		0.0251	MDL	0.125	PQL	mg/Kg	J	A
SILVER	0.0342	J	0.0150	MDL	0.125	PQL	mg/Kg	J	Z

Sample ID: SL-100-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:02:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.127	J	0.0455	MDL	0.455	PQL	mg/Kg	U	B

Sample ID: SL-100-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:02:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	102		0.123	MDL	0.455	PQL	mg/Kg	J	A

Sample ID: SL-100-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:02:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	13.5		0.0767	MDL	0.465	PQL	mg/Kg	J	E

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-100-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:02:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	48.4		0.0256	MDL	0.116	PQL	mg/Kg	J	E

Sample ID: SL-100-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:02:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.120	J	0.0683	MDL	0.228	PQL	mg/Kg	UJ	Q, B
ARSENIC	3.21		0.0683	MDL	0.455	PQL	mg/Kg	J	Q, E, E
CHROMIUM	14.9		0.137	MDL	0.455	PQL	mg/Kg	J	A
COBALT	5.29		0.0228	MDL	0.114	PQL	mg/Kg	J	A
SILVER	0.0305	J	0.0137	MDL	0.114	PQL	mg/Kg	J	Z

Sample ID: SL-101-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:00:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.210	J	0.0453	MDL	0.453	PQL	mg/Kg	J	Z

Sample ID: SL-101-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:00:00 *Analysis Type:* REA4 *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	196		0.306	MDL	1.13	PQL	mg/Kg	J	A

Sample ID: SL-101-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:00:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	13.2		0.0770	MDL	0.466	PQL	mg/Kg	J	E
VANADIUM	46.6		0.0257	MDL	0.117	PQL	mg/Kg	J	E

Sample ID: SL-101-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:00:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0982	J	0.0680	MDL	0.227	PQL	mg/Kg	UJ	Q, B
ARSENIC	6.58		0.0680	MDL	0.453	PQL	mg/Kg	J	Q, E, E
CHROMIUM	25.8		0.136	MDL	0.453	PQL	mg/Kg	J	A
COBALT	13.3		0.0227	MDL	0.113	PQL	mg/Kg	J	A
SILVER	0.0532	J	0.0136	MDL	0.113	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-102-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:36:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.195	J	0.0443	MDL	0.443	PQL	mg/Kg	J	Z

Sample ID: SL-102-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:36:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	108		0.120	MDL	0.443	PQL	mg/Kg	J	A

Sample ID: SL-102-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:36:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	14.5		0.0738	MDL	0.448	PQL	mg/Kg	J	E
VANADIUM	50.9		0.0246	MDL	0.112	PQL	mg/Kg	J	E

Sample ID: SL-102-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:36:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.134	J	0.0665	MDL	0.222	PQL	mg/Kg	UJ	Q, B
ARSENIC	6.55		0.0665	MDL	0.443	PQL	mg/Kg	J	Q, E, E
CHROMIUM	30.9		0.133	MDL	0.443	PQL	mg/Kg	J	A
COBALT	7.79		0.0222	MDL	0.111	PQL	mg/Kg	J	A
SILVER	0.0333	J	0.0133	MDL	0.111	PQL	mg/Kg	J	Z

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.188	J	0.0494	MDL	0.494	PQL	mg/Kg	U	B

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	109		0.133	MDL	0.494	PQL	mg/Kg	J	A

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	13.6		0.0784	MDL	0.475	PQL	mg/Kg	J	E

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	56.9		0.0261	MDL	0.119	PQL	mg/Kg	J	E

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0895	J	0.0741	MDL	0.247	PQL	mg/Kg	UJ	Q, B
ARSENIC	4.93		0.0741	MDL	0.494	PQL	mg/Kg	J	Q, E, E
CHROMIUM	23.6		0.148	MDL	0.494	PQL	mg/Kg	J	A
COBALT	7.12		0.0247	MDL	0.123	PQL	mg/Kg	J	A
SILVER	0.0289	J	0.0148	MDL	0.123	PQL	mg/Kg	J	Z

Sample ID: SL-117-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:25:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.296	J	0.0496	MDL	0.496	PQL	mg/Kg	J	Z

Sample ID: SL-117-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:25:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	115		0.134	MDL	0.496	PQL	mg/Kg	J	A

Sample ID: SL-117-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:25:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	13.6		0.0819	MDL	0.496	PQL	mg/Kg	J	E
VANADIUM	60.6		0.0273	MDL	0.124	PQL	mg/Kg	J	E

Sample ID: SL-117-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:25:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.189	J	0.0744	MDL	0.248	PQL	mg/Kg	UJ	Q, B
ARSENIC	6.75		0.0744	MDL	0.496	PQL	mg/Kg	J	Q, E, E
CHROMIUM	31.5		0.149	MDL	0.496	PQL	mg/Kg	J	A
COBALT	8.52		0.0248	MDL	0.124	PQL	mg/Kg	J	A
SILVER	0.0309	J	0.0149	MDL	0.124	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-118-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:10:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.265	J	0.0458	MDL	0.458	PQL	mg/Kg	J	Z

Sample ID: SL-118-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:10:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	122		0.124	MDL	0.458	PQL	mg/Kg	J	A

Sample ID: SL-118-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:10:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	12.9		0.0771	MDL	0.467	PQL	mg/Kg	J	E
VANADIUM	54.1		0.0257	MDL	0.117	PQL	mg/Kg	J	E

Sample ID: SL-118-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:10:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.128	J	0.0687	MDL	0.229	PQL	mg/Kg	UJ	Q, B
ARSENIC	6.18		0.0687	MDL	0.458	PQL	mg/Kg	J	Q, E, E
CHROMIUM	28.6		0.137	MDL	0.458	PQL	mg/Kg	J	A
COBALT	8.64		0.0229	MDL	0.114	PQL	mg/Kg	J	A
SILVER	0.0300	J	0.0137	MDL	0.114	PQL	mg/Kg	J	Z

Sample ID: SL-145-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 2:54:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.163	J	0.0453	MDL	0.453	PQL	mg/Kg	U	B

Sample ID: SL-145-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 2:54:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	125		0.122	MDL	0.453	PQL	mg/Kg	J	A

Sample ID: SL-145-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 2:54:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	12.0		0.0748	MDL	0.453	PQL	mg/Kg	J	E

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-145-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 2:54:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	52.1		0.0249	MDL	0.113	PQL	mg/Kg	J	E

Sample ID: SL-145-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 2:54:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.103	J	0.0680	MDL	0.227	PQL	mg/Kg	UJ	Q, B
ARSENIC	5.98		0.0680	MDL	0.453	PQL	mg/Kg	J	Q, E, E
CHROMIUM	24.0		0.136	MDL	0.453	PQL	mg/Kg	J	A
COBALT	5.32		0.0227	MDL	0.113	PQL	mg/Kg	J	A
SILVER	0.0394	J	0.0136	MDL	0.113	PQL	mg/Kg	J	Z

Sample ID: SL-157-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 10:48:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.146	J	0.0426	MDL	0.426	PQL	mg/Kg	U	B

Sample ID: SL-157-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 10:48:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	89.8		0.115	MDL	0.426	PQL	mg/Kg	J	A

Sample ID: SL-157-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 10:48:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	9.36		0.0697	MDL	0.422	PQL	mg/Kg	J	E
VANADIUM	41.5		0.0232	MDL	0.106	PQL	mg/Kg	J	E

Sample ID: SL-157-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 10:48:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0639	U	0.0639	MDL	0.213	PQL	mg/Kg	UJ	Q
ARSENIC	4.63		0.0639	MDL	0.426	PQL	mg/Kg	J	Q, E, E
CHROMIUM	17.8		0.128	MDL	0.426	PQL	mg/Kg	J	A
COBALT	5.81		0.0213	MDL	0.107	PQL	mg/Kg	J	A
SILVER	0.0237	J	0.0128	MDL	0.107	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-157-SA5B-SB-9.0-10.0 *Collected:* 12/22/2010 10:52:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.104	J	0.0429	MDL	0.429	PQL	mg/Kg	U	B

Sample ID: SL-157-SA5B-SB-9.0-10.0 *Collected:* 12/22/2010 10:52:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	107		0.116	MDL	0.429	PQL	mg/Kg	J	A

Sample ID: SL-157-SA5B-SB-9.0-10.0 *Collected:* 12/22/2010 10:52:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	11.5		0.0729	MDL	0.442	PQL	mg/Kg	J	E
VANADIUM	43.5		0.0243	MDL	0.110	PQL	mg/Kg	J	E

Sample ID: SL-157-SA5B-SB-9.0-10.0 *Collected:* 12/22/2010 10:52:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0651	J	0.0643	MDL	0.214	PQL	mg/Kg	UJ	Q, B
ARSENIC	5.63		0.0643	MDL	0.429	PQL	mg/Kg	J	Q, E, E
CHROMIUM	20.2		0.129	MDL	0.429	PQL	mg/Kg	J	A
COBALT	7.28		0.0214	MDL	0.107	PQL	mg/Kg	J	A
SILVER	0.0339	J	0.0129	MDL	0.107	PQL	mg/Kg	J	Z

Sample ID: SL-158-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 12:09:00 *Analysis Type:* REA2 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.162	J	0.0439	MDL	0.439	PQL	mg/Kg	U	B

Sample ID: SL-158-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 12:09:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	97.7		0.119	MDL	0.439	PQL	mg/Kg	J	A

Sample ID: SL-158-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 12:09:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	11.1		0.0724	MDL	0.439	PQL	mg/Kg	J	E

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 Laboratory: LL

EDD Filename: PrepDE051_v1 eQAPP Name: CDM_SSFL_110509

Method Category: METALS **Method:** 6020 **Matrix:** SO

Sample ID: SL-158-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 12:09:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	38.5		0.0241	MDL	0.110	PQL	mg/Kg	J	E

Sample ID: SL-158-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 12:09:00 *Analysis Type:* RES *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0659	U	0.0659	MDL	0.220	PQL	mg/Kg	UJ	Q
ARSENIC	5.34		0.0659	MDL	0.439	PQL	mg/Kg	J	Q, E, E
CHROMIUM	18.5		0.132	MDL	0.439	PQL	mg/Kg	J	A
COBALT	7.13		0.0220	MDL	0.110	PQL	mg/Kg	J	A
SILVER	0.0396	J	0.0132	MDL	0.110	PQL	mg/Kg	J	Z

Method Category: METALS **Method:** 7199 **Matrix:** AQ

Sample ID: EB08-SA5B-122210 *Collected:* 12/22/2010 11:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	5.0	U	5.0	MDL	10.0	PQL	ug/L	UJ	H

Method Category: METALS **Method:** 7199 **Matrix:** SO

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.39	J	0.23	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-024-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 10:01:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.25	J	0.25	MDL	1.3	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory:** LL

EDD Filename: PrepDE051_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: METALS

Method: 7199 **Matrix:** SO

Sample ID: SL-100-SA5B-SS-0.0-0.5 **Collected:** 12/22/2010 9:02:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.30	J	0.23	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-102-SA5B-SS-0.0-0.5 **Collected:** 12/22/2010 9:36:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.32	J	0.23	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-114-SA5B-SS-0.0-0.5 **Collected:** 12/22/2010 9:22:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.36	J	0.25	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-117-SA5B-SS-0.0-0.5 **Collected:** 12/22/2010 9:25:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.33	J	0.25	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-118-SA5B-SS-0.0-0.5 **Collected:** 12/22/2010 9:10:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.44	J	0.24	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-145-SA5B-SB-4.0-5.0 **Collected:** 12/22/2010 2:54:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.41	J	0.23	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-157-SA5B-SB-4.0-5.0 **Collected:** 12/22/2010 10:48:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.40	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-157-SA5B-SB-9.0-10.0 **Collected:** 12/22/2010 10:52:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.50	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 Laboratory: LL

EDD Filename: PrepDE051_v1 eQAPP Name: CDM_SSFL_110509

Method Category: METALS
Method: 7199 **Matrix:** SO

Sample ID: SL-158-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 12:09:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.51	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

Method Category: METALS
Method: 7471A **Matrix:** SO

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0128	J	0.0032	MDL	0.113	PQL	mg/Kg	J	Z

Sample ID: SED-010-SIV-SD-0.0-0.5 *Collected:* 12/22/2010 10:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0093	J	0.0035	MDL	0.122	PQL	mg/Kg	J	Z

Sample ID: SL-024-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 10:01:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0108	J	0.0035	MDL	0.120	PQL	mg/Kg	J	Z

Sample ID: SL-100-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:02:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0161	J	0.0031	MDL	0.109	PQL	mg/Kg	J	Z

Sample ID: SL-102-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:36:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0763	J	0.0031	MDL	0.108	PQL	mg/Kg	J	Z

Sample ID: SL-157-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 10:48:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0042	J	0.0031	MDL	0.110	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory:** LL

EDD Filename: PrepDE051_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: METALS

Method: 7471A **Matrix:** SO

Sample ID: SL-158-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 12:09:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0048	J	0.0031	MDL	0.107	PQL	mg/Kg	J	Z

Method Category: SVOA

Method: 1625C **Matrix:** AQ

Sample ID: FB06-SA5B-122210 *Collected:* 12/22/2010 1:30:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
N-NITROSODIMETHYLAMINE	1.82		0.522	MDL	1.04	PQL	ng/L	U	B

Method Category: SVOA

Method: 8015M **Matrix:** SO

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* REA2 *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C15-C20)	0.61	J	0.50	MDL	1.5	PQL	mg/Kg	J	Z

Sample ID: SL-117-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:25:00 *Analysis Type:* REA2 *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C15-C20)	0.72	J	0.50	MDL	1.5	PQL	mg/Kg	J	Z

Sample ID: SL-118-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:10:00 *Analysis Type:* REA2 *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C15-C20)	0.80	J	0.47	MDL	1.4	PQL	mg/Kg	J	Z

Sample ID: SL-145-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 2:54:00 *Analysis Type:* REA2 *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C15-C20)	0.94	J	0.46	MDL	1.4	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8081A **Matrix: SO**

Sample ID: SL-101-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDD	0.078	U	0.078	MDL	0.40	PQL	ug/Kg	UJ	S
4,4'-DDE	0.078	U	0.078	MDL	0.40	PQL	ug/Kg	UJ	S
4,4'-DDT	0.078	U	0.078	MDL	0.40	PQL	ug/Kg	UJ	S
ALDRIN	0.078	U	0.078	MDL	0.20	PQL	ug/Kg	UJ	S
ALPHA-BHC	0.040	U	0.040	MDL	0.20	PQL	ug/Kg	UJ	S
BETA-BHC	0.071	U	0.071	MDL	0.20	PQL	ug/Kg	UJ	S
Chlordane	0.94	U	0.94	MDL	4.0	PQL	ug/Kg	UJ	S
DELTA-BHC	0.042	U	0.042	MDL	0.20	PQL	ug/Kg	UJ	S
DIELDRIN	0.078	U	0.078	MDL	0.40	PQL	ug/Kg	UJ	S
ENDOSULFAN I	0.052	U	0.052	MDL	0.20	PQL	ug/Kg	UJ	S
ENDOSULFAN II	0.078	U	0.078	MDL	0.40	PQL	ug/Kg	UJ	S
ENDOSULFAN SULFATE	0.20	J	0.078	MDL	0.40	PQL	ug/Kg	J	Z, S
ENDRIN	0.078	U	0.078	MDL	0.40	PQL	ug/Kg	UJ	S
ENDRIN ALDEHYDE	0.078	U	0.078	MDL	0.40	PQL	ug/Kg	UJ	S
ENDRIN KETONE	0.078	U	0.078	MDL	0.40	PQL	ug/Kg	UJ	S
gamma-BHC (Lindane)	0.040	U	0.040	MDL	0.20	PQL	ug/Kg	UJ	S
HEPTACHLOR	0.071	U	0.071	MDL	0.20	PQL	ug/Kg	UJ	S
HEPTACHLOR EPOXIDE	0.040	U	0.040	MDL	0.20	PQL	ug/Kg	UJ	S
METHOXYCHLOR	0.40	U	0.40	MDL	2.0	PQL	ug/Kg	UJ	S
MIREX	0.078	U	0.078	MDL	0.40	PQL	ug/Kg	UJ	S
TOXAPHENE	2.6	U	2.6	MDL	7.8	PQL	ug/Kg	UJ	S

Sample ID: SL-117-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:25:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDT	0.10	J	0.082	MDL	0.42	PQL	ug/Kg	J	Z
MIREX	0.13	J	0.082	MDL	0.42	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory:** LL

EDD Filename: PrepDE051_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 8082 **Matrix:** AQ

Sample ID: EB08-SA5B-122210 *Collected:* 12/22/2010 11:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	0.10	U	0.10	MDL	0.52	PQL	ug/L	UJ	L
Aroclor 5442	0.10	U	0.10	MDL	0.52	PQL	ug/L	UJ	L
Aroclor 5460	0.10	U	0.10	MDL	0.52	PQL	ug/L	UJ	L

Sample ID: FB06-SA5B-122210 *Collected:* 12/22/2010 1:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	0.10	U	0.10	MDL	0.50	PQL	ug/L	UJ	L
Aroclor 5442	0.10	U	0.10	MDL	0.50	PQL	ug/L	UJ	L
Aroclor 5460	0.10	U	0.10	MDL	0.50	PQL	ug/L	UJ	L

Method Category: SVOA

Method: 8082 **Matrix:** SO

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	6.4		0.38	MDL	2.0	PQL	ug/Kg	J	S, FD
AROCLOR 1260	2.5		0.38	MDL	2.0	PQL	ug/Kg	J	S, FD
Aroclor 5460	2.1	J	1.2	MDL	3.8	PQL	ug/Kg	J	Z, S, FD

Sample ID: SED-010-SIV-SD-0.0-0.5 *Collected:* 12/22/2010 10:10:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	2.0	J	0.40	MDL	2.1	PQL	ug/Kg	J	Z
AROCLOR 1260	1.2	J	0.40	MDL	2.1	PQL	ug/Kg	J	Z

Sample ID: SL-024-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 10:01:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	1.2	J	0.41	MDL	2.1	PQL	ug/Kg	J	Z
Aroclor 5460	1.4	J	1.3	MDL	4.1	PQL	ug/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8082 **Matrix: SO**

Sample ID: SL-100-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:02:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	0.38	U	0.38	MDL	2.0	PQL	ug/Kg	UJ	FD
AROCLOR 1260	0.38	U	0.38	MDL	2.0	PQL	ug/Kg	UJ	FD
Aroclor 5460	1.2	U	1.2	MDL	3.8	PQL	ug/Kg	UJ	FD

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	1.1	J	0.41	MDL	2.1	PQL	ug/Kg	J	Z
Aroclor 5460	1.9	J	1.2	MDL	4.1	PQL	ug/Kg	J	Z

Sample ID: SL-118-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:10:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	0.79	J	0.39	MDL	2.0	PQL	ug/Kg	J	Z
AROCLOR 1260	1.0	J	0.39	MDL	2.0	PQL	ug/Kg	J	Z
Aroclor 5460	2.5	J	1.2	MDL	3.9	PQL	ug/Kg	J	Z

Method Category: SVOA

Method: 8151A **Matrix: SO**

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-T	0.095	U	0.095	MDL	0.20	PQL	ug/Kg	UJ	FD
2,4-DB	1.7	J	0.72	MDL	2.0	PQL	ug/Kg	UJ	B, FD
DINOSEB	0.93	U	0.93	MDL	2.8	PQL	ug/Kg	R	L
MCPP	430		87	MDL	290	PQL	ug/Kg	J	FD

Sample ID: SED-010-SIV-SD-0.0-0.5 *Collected:* 12/22/2010 10:10:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.98	U	0.98	MDL	2.9	PQL	ug/Kg	R	L

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory:** LL

EDD Filename: PrepDE051_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 8151A **Matrix:** SO

Sample ID: SL-024-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 10:01:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DB	0.97	J	0.78	MDL	2.1	PQL	ug/Kg	U	B
DINOSEB	1.0	U	1.0	MDL	3.0	PQL	ug/Kg	R	L

Sample ID: SL-100-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:02:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-T	0.12	J	0.095	MDL	0.20	PQL	ug/Kg	J	Z, FD
2,4-DB	1.0	U	1.0	MDL	2.0	PQL	ug/Kg	UJ	FD
DINOSEB	0.93	U	0.93	MDL	2.8	PQL	ug/Kg	R	L
MCPP	87	U	87	MDL	290	PQL	ug/Kg	UJ	FD

Sample ID: SL-101-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.94	U	0.94	MDL	2.8	PQL	ug/Kg	R	L
MCPA	180	J	90	MDL	290	PQL	ug/Kg	J	Z

Sample ID: SL-102-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:36:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DB	1.2	J	0.70	MDL	1.9	PQL	ug/Kg	U	B
DINOSEB	0.90	U	0.90	MDL	2.7	PQL	ug/Kg	R	L

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DB	0.87	J	0.77	MDL	2.1	PQL	ug/Kg	U	B
DINOSEB	1.0	U	1.0	MDL	3.0	PQL	ug/Kg	R	L

Sample ID: SL-117-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DICHLOROPROP	2.0	J	0.99	MDL	2.1	PQL	ug/Kg	J	Z
DINOSEB	0.99	U	0.99	MDL	3.0	PQL	ug/Kg	R	L
MCPA	240	J	94	MDL	310	PQL	ug/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory:** LL

EDD Filename: PrepDE051_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 8151A **Matrix:** SO

Sample ID: SL-118-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:10:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.94	U	0.94	MDL	2.8	PQL	ug/Kg	R	L
MCPA	110	J	90	MDL	290	PQL	ug/Kg	J	Z

Method Category: SVOA

Method: 8270C **Matrix:** SO

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	23	J	19	MDL	390	PQL	ug/Kg	J	Z

Sample ID: SED-010-SIV-SD-0.0-0.5 *Collected:* 12/22/2010 10:10:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	130	J	20	MDL	410	PQL	ug/Kg	J	Z

Sample ID: SL-100-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:02:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	20	J	19	MDL	390	PQL	ug/Kg	J	Z

Sample ID: SL-101-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	58	J	20	MDL	390	PQL	ug/Kg	J	Z

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	87	J	21	MDL	420	PQL	ug/Kg	J	Z

Sample ID: SL-117-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:25:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	22	J	21	MDL	410	PQL	ug/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8270C **Matrix: SO**

Sample ID: SL-118-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:10:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	23	J	20	MDL	390	PQL	ug/Kg	J	Z

Method Category: SVOA

Method: 8270C SIM **Matrix: AQ**

Sample ID: EB08-SA5B-122210 *Collected:* 12/22/2010 11:45:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	0.25	J	0.053	MDL	1.1	PQL	ug/L	UJ	E, B
Butylbenzylphthalate	0.067	J	0.053	MDL	1.1	PQL	ug/L	U	B
Diethylphthalate	0.098	J	0.053	MDL	1.1	PQL	ug/L	J	Z
Dimethylphthalate	0.053	U	0.053	MDL	1.1	PQL	ug/L	UJ	L
Di-n-butylphthalate	0.40	J	0.053	MDL	1.1	PQL	ug/L	J	Z
Di-n-octylphthalate	0.083	J	0.053	MDL	1.1	PQL	ug/L	U	B
NAPHTHALENE	0.034	J	0.011	MDL	0.053	PQL	ug/L	J	Z
N-NITROSODIMETHYLAMINE	0.011	U	0.011	MDL	0.053	PQL	ug/L	UJ	L

Sample ID: FB06-SA5B-122210 *Collected:* 12/22/2010 1:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.017	J	0.010	MDL	0.052	PQL	ug/L	J	Z
2-METHYLNAPHTHALENE	0.022	J	0.010	MDL	0.052	PQL	ug/L	J	Z
BIS(2-ETHYLHEXYL)PHTHALATE	0.22	J	0.052	MDL	1.0	PQL	ug/L	UJ	E, B
Butylbenzylphthalate	0.065	J	0.052	MDL	1.0	PQL	ug/L	U	B
Dimethylphthalate	0.052	U	0.052	MDL	1.0	PQL	ug/L	UJ	L
Di-n-butylphthalate	0.069	J	0.052	MDL	1.0	PQL	ug/L	J	Z
Di-n-octylphthalate	0.087	J	0.052	MDL	1.0	PQL	ug/L	U	B
N-NITROSODIMETHYLAMINE	0.010	U	0.010	MDL	0.052	PQL	ug/L	UJ	L

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory:** LL

EDD Filename: PrepDE051_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 8270C SIM **Matrix:** SO

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.39	U	0.39	MDL	1.9	PQL	ug/Kg	UJ	FD
BENZO(A)ANTHRACENE	1.6	J	0.77	MDL	1.9	PQL	ug/Kg	J	Z, FD
BENZO(A)PYRENE	2.0		0.77	MDL	1.9	PQL	ug/Kg	J	FD
BENZO(B)FLUORANTHENE	3.7		0.77	MDL	1.9	PQL	ug/Kg	J	FD
BENZO(G,H,I)PERYLENE	1.4	J	0.77	MDL	1.9	PQL	ug/Kg	J	Z, FD
BENZO(K)FLUORANTHENE	1.2	J	0.77	MDL	1.9	PQL	ug/Kg	J	Z, FD
CHRYSENE	2.2		0.39	MDL	1.9	PQL	ug/Kg	J	FD
DIBENZO(A,H)ANTHRACENE	0.77	U	0.77	MDL	1.9	PQL	ug/Kg	UJ	FD
Di-n-butylphthalate	7.0	U	7.0	MDL	21	PQL	ug/Kg	UJ	FD
FLUORANTHENE	2.6		0.77	MDL	1.9	PQL	ug/Kg	J	FD
INDENO(1,2,3-CD)PYRENE	0.97	J	0.77	MDL	1.9	PQL	ug/Kg	J	Z, FD
PHENANTHRENE	0.77	U	0.77	MDL	1.9	PQL	ug/Kg	UJ	FD
PYRENE	2.7		0.77	MDL	1.9	PQL	ug/Kg	J	FD

Sample ID: SED-010-SIV-SD-0.0-0.5 *Collected:* 12/22/2010 10:10:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	1.2	J	0.81	MDL	2.0	PQL	ug/Kg	J	Z
CHRYSENE	1.1	J	0.41	MDL	2.0	PQL	ug/Kg	J	Z
FLUORANTHENE	1.1	J	0.81	MDL	2.0	PQL	ug/Kg	J	Z
NAPHTHALENE	1.0	J	0.81	MDL	2.0	PQL	ug/Kg	J	Z
PHENANTHRENE	1.8	J	0.81	MDL	2.0	PQL	ug/Kg	J	Z
PYRENE	1.0	J	0.81	MDL	2.0	PQL	ug/Kg	J	Z

Sample ID: SL-024-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 10:01:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	1.3	J	0.84	MDL	2.1	PQL	ug/Kg	J	Z
BENZO(A)PYRENE	1.3	J	0.84	MDL	2.1	PQL	ug/Kg	J	Z
BENZO(K)FLUORANTHENE	0.85	J	0.84	MDL	2.1	PQL	ug/Kg	J	Z
CHRYSENE	1.6	J	0.42	MDL	2.1	PQL	ug/Kg	J	Z
Di-n-butylphthalate	12	J	7.5	MDL	23	PQL	ug/Kg	J	Z
PYRENE	2.0	J	0.84	MDL	2.1	PQL	ug/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8270C SIM **Matrix: SO**

Sample ID: SL-100-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:02:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.81	J	0.39	MDL	1.9	PQL	ug/Kg	J	Z, FD
BENZO(A)ANTHRACENE	7.0		0.77	MDL	1.9	PQL	ug/Kg	J	FD
BENZO(A)PYRENE	6.1		0.77	MDL	1.9	PQL	ug/Kg	J	FD
BENZO(B)FLUORANTHENE	9.2		0.77	MDL	1.9	PQL	ug/Kg	J	FD
BENZO(G,H,I)PERYLENE	3.0		0.77	MDL	1.9	PQL	ug/Kg	J	FD
BENZO(K)FLUORANTHENE	3.6		0.77	MDL	1.9	PQL	ug/Kg	J	FD
CHRYSENE	6.8		0.39	MDL	1.9	PQL	ug/Kg	J	FD
DIBENZO(A,H)ANTHRACENE	0.80	J	0.77	MDL	1.9	PQL	ug/Kg	J	Z, FD
Di-n-butylphthalate	10	J	7.0	MDL	21	PQL	ug/Kg	J	Z, FD
FLUORANTHENE	12		0.77	MDL	1.9	PQL	ug/Kg	J	FD
INDENO(1,2,3-CD)PYRENE	2.6		0.77	MDL	1.9	PQL	ug/Kg	J	FD
PHENANTHRENE	3.5		0.77	MDL	1.9	PQL	ug/Kg	J	FD
PYRENE	12		0.77	MDL	1.9	PQL	ug/Kg	J	FD

Sample ID: SL-101-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.81	J	0.79	MDL	2.0	PQL	ug/Kg	J	Z
CHRYSENE	0.67	J	0.39	MDL	2.0	PQL	ug/Kg	J	Z
FLUORANTHENE	1.6	J	0.79	MDL	2.0	PQL	ug/Kg	J	Z
NAPHTHALENE	0.91	J	0.79	MDL	2.0	PQL	ug/Kg	U	F
PHENANTHRENE	1.6	J	0.79	MDL	2.0	PQL	ug/Kg	J	Z
PYRENE	1.2	J	0.79	MDL	2.0	PQL	ug/Kg	J	Z

Sample ID: SL-102-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:36:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Diethylphthalate	7.7	J	6.8	MDL	20	PQL	ug/Kg	J	Z
Di-n-butylphthalate	7.2	J	6.8	MDL	20	PQL	ug/Kg	J	Z

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	1.7	J	0.83	MDL	2.1	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1.3	J	0.83	MDL	2.1	PQL	ug/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8270C SIM **Matrix: SO**

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	1.6	J	0.83	MDL	2.1	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	1.1	J	0.83	MDL	2.1	PQL	ug/Kg	J	Z
NAPHTHALENE	0.84	J	0.83	MDL	2.1	PQL	ug/Kg	U	F

Sample ID: SL-117-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:25:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.95	J	0.83	MDL	2.1	PQL	ug/Kg	J	Z
DIBENZO(A,H)ANTHRACENE	0.98	J	0.83	MDL	2.1	PQL	ug/Kg	J	Z
Diethylphthalate	11	J	7.4	MDL	22	PQL	ug/Kg	J	Z
Di-n-butylphthalate	8.4	J	7.4	MDL	22	PQL	ug/Kg	J	Z

Sample ID: SL-118-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:10:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	1.3	J	0.79	MDL	2.0	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1.0	J	0.79	MDL	2.0	PQL	ug/Kg	J	Z
CHRYSENE	1.0	J	0.39	MDL	2.0	PQL	ug/Kg	J	Z
Diethylphthalate	7.4	J	7.1	MDL	21	PQL	ug/Kg	J	Z
Di-n-butylphthalate	11	J	7.1	MDL	21	PQL	ug/Kg	J	Z

Sample ID: SL-145-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 2:54:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.89	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z
BENZO(B)FLUORANTHENE	0.87	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z
BIS(2-ETHYLHEXYL)PHTHALATE	15	J	6.9	MDL	21	PQL	ug/Kg	J	Z
Di-n-butylphthalate	7.2	J	6.9	MDL	21	PQL	ug/Kg	J	Z
NAPHTHALENE	0.90	J	0.76	MDL	1.9	PQL	ug/Kg	U	F
PHENANTHRENE	1.4	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z
PYRENE	0.78	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory:** LL

EDD Filename: PrepDE051_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA
Method: 8270C SIM **Matrix:** SO

Sample ID: SL-157-SA5B-SB-9.0-10.0 *Collected:* 12/22/2010 10:52:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	9.4	J	6.7	MDL	20	PQL	ug/Kg	J	Z

Sample ID: SL-158-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 12:09:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Di-n-butylphthalate	8.2	J	6.7	MDL	20	PQL	ug/Kg	J	Z

Method Category: VOA
Method: 8015B **Matrix:** SO

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* REA4 *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Isopropanol	140	J	120	MDL	620	PQL	ug/Kg	J	Z, Q
METHANOL	520	J	120	MDL	620	PQL	ug/Kg	J	Z

Method Category: VOA
Method: 8260B **Matrix:** AQ

Sample ID: FB06-SA5B-122210 *Collected:* 12/22/2010 1:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROFORM	1	J	0.8	MDL	5	PQL	ug/L	J	Z

Method Category: VOA
Method: 8260B **Matrix:** SO

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* RES *Dilution:* 0.8

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.43	J	0.24	MDL	4.0	PQL	ug/Kg	U	B
TOLUENE	0.11	J	0.08	MDL	4.0	PQL	ug/Kg	U	B

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: VOA

Method: 8260B **Matrix: SO**

Sample ID: SL-117-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:25:00 *Analysis Type:* RES *Dilution:* 0.84

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.44	J	0.25	MDL	4.2	PQL	ug/Kg	U	B
TOLUENE	0.15	J	0.08	MDL	4.2	PQL	ug/Kg	U	B

Sample ID: SL-118-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:10:00 *Analysis Type:* RES *Dilution:* 0.86

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.43	J	0.24	MDL	4.0	PQL	ug/Kg	U	B
TOLUENE	0.11	J	0.08	MDL	4.0	PQL	ug/Kg	U	B

Sample ID: SL-145-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 2:54:00 *Analysis Type:* RES *Dilution:* 0.82

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.38	J	0.22	MDL	3.7	PQL	ug/Kg	U	B
TOLUENE	0.1	J	0.07	MDL	3.7	PQL	ug/Kg	U	B

Sample ID: SL-157-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 10:48:00 *Analysis Type:* RES *Dilution:* 0.87

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOLUENE	0.09	J	0.08	MDL	3.8	PQL	ug/Kg	U	B

Sample ID: SL-158-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 12:09:00 *Analysis Type:* RES *Dilution:* 0.96

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.41	J	0.25	MDL	4.2	PQL	ug/Kg	U	B
TOLUENE	0.13	J	0.08	MDL	4.2	PQL	ug/Kg	U	B

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

* denotes a non-reportable result .

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: PrepDE051_v1 **eQAPP Name: CDM_SSFL_110509**

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

* denotes a non-reportable result

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control Outlier Reports

DE051

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: DE051
EDD Filename: DE051_v1

Laboratory: LL
eQAPP Name: CDM_SSFL_110509

Method: 7199 **Preparation Method: Gen Prep**
Matrix: AQ

Sample ID	*Type*	*Actual*	*Criteria*	*Units*	*Flag*
EB08-SA5B-122210 (RES)	Sampling To Analysis	26.00	24.00	HOURS	J (all detects) UJ (all non-detects)

Method Blank Outlier Report

Lab Reporting Batch ID: DE051 Laboratory: LL

EDD Filename: DE051_v1 eQAPP Name: CDM_SSFL_110509

Method: 1625C
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKWA36B260542	1/6/2011 5:42:00 AM	N-NITROSODIMETHYLAMINE	1.95 ng/L	FB06-SA5B-122210

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

Sample ID	Analyte	Reported Result	Modified Final Result
FB06-SA5B-122210(RES)	N-NITROSODIMETHYLAMINE	1.82 ng/L	1.82U ng/L

Method: 6010B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P36408BB220923	12/31/2010 9:23:00 AM	ALUMINUM	5.76 mg/Kg	DUP10-SA5B-QC-122210
		CALCIUM	12.6 mg/Kg	SED-010-SIV-SD-0.0-0.5
		PHOSPHORUS	1.68 mg/Kg	SL-024-SA5B-SS-0.0-0.5
		STRONTIUM	0.0650 mg/Kg	SL-100-SA5B-SS-0.0-0.5
				SL-101-SA5B-SS-0.0-0.5
				SL-102-SA5B-SS-0.0-0.5
				SL-114-SA5B-SS-0.0-0.5
				SL-117-SA5B-SS-0.0-0.5
				SL-118-SA5B-SS-0.0-0.5
				SL-145-SA5B-SB-4.0-5.0
				SL-157-SA5B-SB-4.0-5.0
				SL-157-SA5B-SB-9.0-10.0
				SL-158-SA5B-SB-4.0-5.0

Method: 6020
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P36550AB220811A	1/6/2011 8:11:00 AM	COPPER	0.00058 mg/L	EB08-SA5B-122210
		LEAD	0.00023 mg/L	FB06-SA5B-122210

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB08-SA5B-122210(REA5)	LEAD	0.000055 mg/L	0.000055U mg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory:** LL

EDD Filename: DE051_v1 **eQAPP Name:** CDM_SSFL_110509

Method: 6020
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P01026BB220913A	1/12/2011 9:13:00 AM	COPPER	0.0719 mg/Kg	DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0
P36426BB221325A	1/6/2011 1:25:00 PM	ARSENIC LEAD NICKEL	0.0658 mg/Kg 0.0128 mg/Kg 0.146 mg/Kg	DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0
P36426BB221325B	1/6/2011 1:25:00 PM	SELENIUM	0.0389 mg/Kg	DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP10-SA5B-QC-122210(REA2)	SELENIUM	0.121 mg/Kg	0.121U mg/Kg
SED-010-SIV-SD-0.0-0.5(REA2)	SELENIUM	0.137 mg/Kg	0.137U mg/Kg
SL-024-SA5B-SS-0.0-0.5(REA2)	SELENIUM	0.152 mg/Kg	0.152U mg/Kg
SL-100-SA5B-SS-0.0-0.5(REA2)	SELENIUM	0.127 mg/Kg	0.127U mg/Kg
SL-114-SA5B-SS-0.0-0.5(REA2)	SELENIUM	0.188 mg/Kg	0.188U mg/Kg
SL-145-SA5B-SB-4.0-5.0(REA2)	SELENIUM	0.163 mg/Kg	0.163U mg/Kg
SL-157-SA5B-SB-4.0-5.0(REA2)	SELENIUM	0.146 mg/Kg	0.146U mg/Kg
SL-157-SA5B-SB-9.0-10.0(REA2)	SELENIUM	0.104 mg/Kg	0.104U mg/Kg
SL-158-SA5B-SB-4.0-5.0(REA2)	SELENIUM	0.162 mg/Kg	0.162U mg/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DE051 Laboratory: LL

EDD Filename: DE051_v1 eQAPP Name: CDM_SSFL_110509

Method: 8015B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P63630AB322004A	12/29/2010 8:04:00 PM	METHANOL	110 ug/Kg	SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5

Method: 8081A
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P65659AB241311A	1/19/2011 1:11:00 PM	DELTA-BHC	0.082 ug/Kg	DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5

Method: 8151A
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P04044AB240236A	1/10/2011 2:36:00 AM	2,4-DB	1.1 ug/Kg	DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP10-SA5B-QC-122210(RES)	2,4-DB	1.7 ug/Kg	2.0U ug/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	2,4-DB	0.97 ug/Kg	2.1U ug/Kg
SL-102-SA5B-SS-0.0-0.5(RES)	2,4-DB	1.2 ug/Kg	1.9U ug/Kg
SL-114-SA5B-SS-0.0-0.5(RES)	2,4-DB	0.87 ug/Kg	2.1U ug/Kg

Method: 8260B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VBLKB29B211244A	12/28/2010 12:44:00 PM	METHYLENE CHLORIDE O-XYLENE TOLUENE	0.39 ug/Kg 0.18 ug/Kg 0.17 ug/Kg	SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-158-SA5B-SB-4.0-5.0

Method Blank Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **8260B**
Matrix: **SO**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-114-SA5B-SS-0.0-0.5(RES)	METHYLENE CHLORIDE	0.43 ug/Kg	4.0U ug/Kg
SL-114-SA5B-SS-0.0-0.5(RES)	TOLUENE	0.11 ug/Kg	4.0U ug/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	METHYLENE CHLORIDE	0.44 ug/Kg	4.2U ug/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	TOLUENE	0.15 ug/Kg	4.2U ug/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	METHYLENE CHLORIDE	0.43 ug/Kg	4.0U ug/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	TOLUENE	0.11 ug/Kg	4.0U ug/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	METHYLENE CHLORIDE	0.38 ug/Kg	3.7U ug/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	TOLUENE	0.1 ug/Kg	3.7U ug/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	TOLUENE	0.09 ug/Kg	3.8U ug/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	METHYLENE CHLORIDE	0.41 ug/Kg	4.2U ug/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	TOLUENE	0.13 ug/Kg	4.2U ug/Kg

Method: **8270C SIM**
Matrix: **AQ**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKWC36B260849	1/6/2011 8:49:00 AM	BIS(2-ETHYLHEXYL)PHTHALATE Butylbenzylphthalate Di-n-octylphthalate	0.056 ug/L 0.056 ug/L 0.082 ug/L	EB08-SA5B-122210 FB06-SA5B-122210

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB08-SA5B-122210(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	0.25 ug/L	1.1U ug/L
EB08-SA5B-122210(RES)	Butylbenzylphthalate	0.067 ug/L	1.1U ug/L
EB08-SA5B-122210(RES)	Di-n-octylphthalate	0.083 ug/L	1.1U ug/L
FB06-SA5B-122210(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	0.22 ug/L	1.0U ug/L
FB06-SA5B-122210(RES)	Butylbenzylphthalate	0.065 ug/L	1.0U ug/L
FB06-SA5B-122210(RES)	Di-n-octylphthalate	0.087 ug/L	1.0U ug/L

Field Blank Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **8270C SIM**
Matrix: **SO**

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
FB06-SA5B-122210(RES)	12/22/2010 1:30:00 PM	1-METHYLNAPHTHALENE	0.017 ug/L	DUP10-SA5B-QC-122210
		2-METHYLNAPHTHALENE	0.022 ug/L	SL-024-SA5B-SS-0.0-0.5
		BIS(2-ETHYLHEXYL)PHTHALATE	0.22 ug/L	SL-100-SA5B-SS-0.0-0.5
		Butylbenzylphthalate	0.065 ug/L	SL-101-SA5B-SS-0.0-0.5
		Di-n-butylphthalate	0.069 ug/L	SL-102-SA5B-SS-0.0-0.5
		Di-n-octylphthalate	0.087 ug/L	SL-114-SA5B-SS-0.0-0.5
		NAPHTHALENE	0.29 ug/L	SL-117-SA5B-SS-0.0-0.5
				SL-118-SA5B-SS-0.0-0.5
				SL-145-SA5B-SB-4.0-5.0
				SL-157-SA5B-SB-4.0-5.0
				SL-157-SA5B-SB-9.0-10.0
				SL-158-SA5B-SB-4.0-5.0

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-101-SA5B-SS-0.0-0.5(RES)	NAPHTHALENE	0.91 ug/Kg	2.0U ug/Kg
SL-114-SA5B-SS-0.0-0.5(RES)	NAPHTHALENE	0.84 ug/Kg	2.1U ug/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	NAPHTHALENE	0.90 ug/Kg	1.9U ug/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 6020
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-100-SA5B-SS-0.0-0.5MS (DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0)	VANADIUM	72	-	75.00-125.00	-	VANADIUM	No Qual, >4x

Method: 300.0
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-100-SA5B-SS-0.0-0.5MS (SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0)	FLUORIDE	79	-	80.00-120.00	-	FLUORIDE	J(all detects) UJ(all non-detects)

Method: 8015B
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-114-SA5B-SS-0.0-0.5MS SL-114-SA5B-SS-0.0-0.5MSD (SL-114-SA5B-SS-0.0-0.5)	Isopropanol	68	66	75.00-125.00	-	Isopropanol	J(all detects) UJ(all non-detects)

Method: 8082
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-100-SA5B-SS-0.0-0.5MSD (SL-100-SA5B-SS-0.0-0.5)	AROCLOR 1016	-	167	29.00-146.00	-	AROCLOR 1016, 1221, 1232	J(all detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 8151A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-100-SA5B-SS-0.0-0.5MSD (SL-100-SA5B-SS-0.0-0.5)	DINOSEB	-	-	1.00-44.00	69 (35.00)	DINOSEB	J(all detects)

Method: 6020
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-100-SA5B-SS-0.0-0.5MSD (DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0)	ZINC	-	153	75.00-125.00	-	ZINC	No Qual, >4x
SL-100-SA5B-SS-0.0-0.5MS SL-100-SA5B-SS-0.0-0.5MSD (DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0)	ANTIMONY ARSENIC	32 174	35 -	75.00-125.00 75.00-125.00	- 23 (20.00)	ANTIMONY ARSENIC	J(all detects) UJ(all non-detects)
SL-100-SA5B-SS-0.0-0.5MS SL-100-SA5B-SS-0.0-0.5MSD (DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0)	BARIUM	148	277	75.00-125.00	-	BARIUM	No Qual, >4x

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **6010B**
Matrix: **SO**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-100-SA5B-SS-0.0-0.5MS **SL-100-SA5B-SS-0.0-0.5MSD** (DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0)	MANGANESE PHOSPHORUS POTASSIUM TITANIUM	207 144 165 393	- 142 170 358	75.00-125.00 75.00-125.00 75.00-125.00 75.00-125.00	- - - -	MANGANESE PHOSPHORUS POTASSIUM TITANIUM	J(all detects) Mn, Ti No Qual, >4x
SL-100-SA5B-SS-0.0-0.5MS **SL-100-SA5B-SS-0.0-0.5MSD** (DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0)	ALUMINUM CALCIUM	1246 -91	-101 -256	75.00-125.00 75.00-125.00	- -	ALUMINUM CALCIUM	No Qual, >4x
SL-100-SA5B-SS-0.0-0.5MS **SL-100-SA5B-SS-0.0-0.5MSD** (DUP10-SA5B-QC-122210 SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0)	IRON MAGNESIUM	7037 856	- 153	75.00-125.00 75.00-125.00	31 (20.00) 25 (20.00)	IRON MAGNESIUM	J(all detects) UJ(all non-detects) No Qual %R, >4x

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

Lab Duplicate Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 300.0
Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-100-SA5B-SS-0.0-0.5DUP	FLUORIDE	32	20.00	
(SL-024-SA5B-SS-0.0-0.5	Nitrate-NO3	200	20.00	
SL -100-SA5B-SS-0.0-0.5				
SL -102-SA5B-SS-0.0-0.5				
SL -114-SA5B-SS-0.0-0.5				No Qual
SL -118-SA5B-SS-0.0-0.5				OK by difference
SL -145-SA5B-SB-4.0-5.0				
SL -157-SA5B-SB-4.0-5.0				
SL -157-SA5B-SB-9.0-10.0				
SL -158-SA5B-SB-4.0-5.0)				

Method: 6010B
Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-100-SA5B-SS-0.0-0.5DUP	CALCIUM	49	20.00	
(DUP10 -SA5B-QC-122210	STRONTIUM	28	20.00	
SED -010-SIV-SD-0.0-0.5	Zirconium	25	20.00	
SL -024-SA5B-SS-0.0-0.5				
SL -100-SA5B-SS-0.0-0.5				
SL -101-SA5B-SS-0.0-0.5				
SL -102-SA5B-SS-0.0-0.5				J(all detects)
SL -114-SA5B-SS-0.0-0.5				UJ(all non-detects)
SL -117-SA5B-SS-0.0-0.5				
SL -118-SA5B-SS-0.0-0.5				Zr No Qual
SL -145-SA5B-SB-4.0-5.0				OK by difference
SL -157-SA5B-SB-4.0-5.0				
SL -157-SA5B-SB-9.0-10.0				
SL -158-SA5B-SB-4.0-5.0)				

Method: 6020
Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-100-SA5B-SS-0.0-0.5DUP	ANTIMONY	200	20.00	
(DUP10 -SA5B-QC-122210	ARSENIC	30	20.00	
SED -010-SIV-SD-0.0-0.5	COPPER	32	20.00	
SL -024-SA5B-SS-0.0-0.5	VANADIUM	32	20.00	
SL -100-SA5B-SS-0.0-0.5				
SL -101-SA5B-SS-0.0-0.5				
SL -102-SA5B-SS-0.0-0.5				J(all detects)
SL -114-SA5B-SS-0.0-0.5				UJ(all non-detects)
SL -117-SA5B-SS-0.0-0.5				
SL -118-SA5B-SS-0.0-0.5				Sb No Qual
SL -145-SA5B-SB-4.0-5.0				OK by difference
SL -157-SA5B-SB-4.0-5.0				
SL -157-SA5B-SB-9.0-10.0				
SL -158-SA5B-SB-4.0-5.0)				

Lab Duplicate Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 7199
Matrix: SO

QC Sample ID (Associated Sample ID)	*Analyte*	*Sample RPD*	*eQAPP RPD*	*Flag*
SL-100-SA5B-SS-0.0-0.5DUP (DUP10-SA5B-QC-122210 SED -010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5 SL-145-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-4.0-5.0 SL-157-SA5B-SB-9.0-10.0 SL-158-SA5B-SB-4.0-5.0)	HEXAVALENT CHROMIUM	42	20.00	No Qual OK by difference

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 8081A
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P03573AY240031A (EB08-SA5B-122210 FB06-SA5B-122210)	4,4'-DDE	-	137	66.00-130.00	-	4,4'-DDE	J (all detects)

Method: 8082
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P03574AY241535A (EB08-SA5B-122210 FB06-SA5B-122210)	AROCLOR 1260	-	142	56.00-135.00	-	AROCLOR 1242, 1248, 1254, 1260	J(all detects)
P03574AQ241612A P03574AY241554A (EB08-SA5B-122210 FB06-SA5B-122210)	Aroclor 5442	56	64	75.00-125.00	-	Aroclor 5432, 5442, 5460	J(all detects) UJ(all non-detects)

Method: 8270C SIM
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P2WCLCSQ260921	BIS(2-ETHYLHEXYL)PHTHALAT	-	-	70.00-130.00	33 (30.00)	BIS(2-ETHYLHEXYL)PHTHALA	
P2WCLCSY260953	Dimethylphthalate	66	69	70.00-130.00	-	Dimethylphthalate	J(all detects)
(EB08-SA5B-122210 FB06-SA5B-122210)	N-NITROSODIMETHYLAMINE	55	51	70.00-130.00	-	N-NITROSODIMETHYLAMINE	UJ(all non-detects)

Method: 8081A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P03659AQ241325A	ALDRIN	139	-	44.00-135.00	-	ALDRIN	
(DUP10-SA5B-QC-122210	HEPTACHLOR EPOXIDE	133	-	65.00-131.00	-	HEPTACHLOR EPOXIDE	
SED-010-SIV-SD-0.0-0.5 SL-024-SA5B-SS-0.0-0.5 SL-100-SA5B-SS-0.0-0.5 SL-101-SA5B-SS-0.0-0.5 SL-102-SA5B-SS-0.0-0.5 SL-114-SA5B-SS-0.0-0.5 SL-117-SA5B-SS-0.0-0.5 SL-118-SA5B-SS-0.0-0.5)							J(all detects)

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

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 8151A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P10044AQ240304A (DUP10 -SA5B -QC-122210 SED -010-SIV-SD-0.0-0.5 SL -024-SA5B -SS-0.0-0.5 SL -100-SA5B -SS-0.0-0.5 SL -101-SA5B -SS-0.0-0.5 SL -102-SA5B -SS-0.0-0.5 SL -114-SA5B -SS-0.0-0.5 SL -117-SA5B -SS-0.0-0.5 SL -118-SA5B -SS-0.0-0.5)	DINOSEB	5	-	10.00-136.00	-	DINOSEB	J(all detects) R(all non-detects)

Method: 6020
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P36426BQ221328A (DUP10 -SA5B -QC-122210 SED -010-SIV-SD-0.0-0.5 SL -024-SA5B -SS-0.0-0.5 SL -100-SA5B -SS-0.0-0.5 SL -101-SA5B -SS-0.0-0.5 SL -102-SA5B -SS-0.0-0.5 SL -114-SA5B -SS-0.0-0.5 SL -117-SA5B -SS-0.0-0.5 SL -118-SA5B -SS-0.0-0.5 SL -145-SA5B -SB-4.0-5.0 SL -157-SA5B -SB-4.0-5.0 SL -157-SA5B -SB-9.0-10.0 SL -158-SA5B -SB-4.0-5.0)	ANTIMONY	65	-	80.00-120.00	-	ANTIMONY	No Qual SRM within QC limits

Surrogate Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 1625C
Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SL-114-SA5B-SS-0.0-0.5	N-Nitrosodimethylamine-d6	592	50.00-150.00	All Target Analytes	No Qual Diluted Out
SL-117-SA5B-SS-0.0-0.5	N-Nitrosodimethylamine-d6	733	50.00-150.00	All Target Analytes	No Qual Diluted Out
SL-118-SA5B-SS-0.0-0.5	N-Nitrosodimethylamine-d6	515	50.00-150.00	All Target Analytes	No Qual Diluted Out
SL-145-SA5B-SB-4.0-5.0	N-Nitrosodimethylamine-d6	596	50.00-150.00	All Target Analytes	No Qual Diluted Out

Method: 8081A
Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB08-SA5B-122210	DECACHLOROBIPHENYL	127	20.00-120.00	All Target Analytes	J(all detects)
FB06-SA5B-122210	DECACHLOROBIPHENYL	135	20.00-120.00	All Target Analytes	J(all detects)

Method: 8081A
Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SL-101-SA5B-SS-0.0-0.5	TETRACHLORO-M-XYLENE	40	50.00-130.00	All Target Analytes	J(all detects) UJ(all non-detects)
SL-114-SA5B-SS-0.0-0.5	DECACHLOROBIPHENYL	128	20.00-120.00	All Target Analytes	J(all detects)

Method: 8082
Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
DUP10-SA5B-QC-122210	DECACHLOROBIPHENYL TETRACHLORO-M-XYLENE	124 146	45.00-120.00 53.00-139.00	All Target Analytes	J (all detects)

Method: 8082
Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB08-SA5B-122210	DECACHLOROBIPHENYL	137	45.00-120.00	All Target Analytes	J(all detects)
FB06-SA5B-122210	DECACHLOROBIPHENYL	126	45.00-120.00	All Target Analytes	J(all detects)

Surrogate Outlier Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 8082
Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SL-157-SA5B-SB-9.0-10.0	DECACHLOROBIPHENYL	129	45.00-120.00	All Target Analytes	J(all detects)
SL-158-SA5B-SB-4.0-5.0	DECACHLOROBIPHENYL	123	45.00-120.00	All Target Analytes	J(all detects)

Method: 8151A
Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
FB06-SA5B-122210	2,4-Dichlorophenylacetic acid	133	70.00-130.00	All Target Analytes	J(all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 160.3M
Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
MOISTURE	13.9	13.7	1		No Qualifiers Applied

Method: 300.0
Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
FLUORIDE	1.5	1.3	14	50.00	No Qualifiers Applied

Method: 6010B
Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
ALUMINUM	15500	13900	11	50.00	
BORON	5.13	4.36	16	50.00	
IRON	21000	18600	12	50.00	
LITHIUM	23.0	21.0	9	50.00	
MAGNESIUM	4940	4260	15	50.00	
MANGANESE	283	261	8	50.00	
PHOSPHORUS	423	361	16	50.00	No Qualifiers Applied
POTASSIUM	3050	2800	9	50.00	
SODIUM	95.5	92.3	3	50.00	
STRONTIUM	25.6	18.7	31	50.00	
TIN	2.26	2.22	2	50.00	
TITANIUM	1130	1120	1	50.00	
Zirconium	3.01	1.88	46	50.00	
CALCIUM	5190	3070	51	50.00	J(all detects)

Method: 6020
Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
ANTIMONY	0.120	0.0960	22	50.00	
ARSENIC	3.21	4.90	42	50.00	
BARIUM	102	98.1	4	50.00	
BERYLLIUM	0.404	0.467	14	50.00	
CADMIUM	0.121	0.133	9	50.00	
CHROMIUM	14.9	16.6	11	50.00	
COBALT	5.29	5.52	4	50.00	
COPPER	13.5	11.2	19	50.00	
LEAD	5.00	5.68	13	50.00	No Qualifiers Applied
MOLYBDENUM	0.447	0.615	32	50.00	
NICKEL	10.4	11.8	13	50.00	
SELENIUM	0.127	0.121	5	50.00	
SILVER	0.0305	0.0302	1	50.00	
THALLIUM	0.243	0.259	6	50.00	
VANADIUM	48.4	39.4	21	50.00	
ZINC	57.2	56.2	2	50.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 7199
Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
HEXAVALENT CHROMIUM	0.30	0.39	26	50.00	No Qualifiers Applied

Method: 7471A
Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
MERCURY	0.0161	0.0128	23	50.00	No Qualifiers Applied

Method: 8082
Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
AROCLOR 1254	2.0 U	6.4	200	50.00	J(all detects) UJ(all non-detects)
AROCLOR 1260	2.0 U	2.5	200	50.00	
Aroclor 5460	3.8 U	2.1	200	50.00	

Method: 8151A
Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
2,4,5-T	0.12	0.20 U	200	50.00	J(all detects) UJ(all non-detects)
2,4-DB	2.0 U	1.7	200	50.00	
MCPP	290 U	430	200	50.00	

Method: 8270C SIM
Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
ANTHRACENE	0.81	1.9 U	200	50.00	J(all detects) UJ(all non-detects)
BENZO(A)ANTHRACENE	7.0	1.6	126	50.00	
BENZO(A)PYRENE	6.1	2.0	101	50.00	
BENZO(B)FLUORANTHENE	9.2	3.7	85	50.00	
BENZO(G,H,I)PERYLENE	3.0	1.4	73	50.00	
BENZO(K)FLUORANTHENE	3.6	1.2	100	50.00	
CHRYSENE	6.8	2.2	102	50.00	
DIBENZO(A,H)ANTHRACENE	0.80	1.9 U	200	50.00	
Di-n-butylphthalate	10	21 U	200	50.00	
FLUORANTHENE	12	2.6	129	50.00	
INDENO(1,2,3-CD)PYRENE	2.6	0.97	91	50.00	
PHENANTHRENE	3.5	1.9 U	200	50.00	
PYRENE	12	2.7	127	50.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 8270C
Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
BIS(2-ETHYLHEXYL)PHTHALATE	20	23	14	50.00	No Qualifiers Applied

Method: 9045M
Matrix: SO

Analyte	Concentration (pH unit)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
PH	7.70	8.17	6	50.00	No Qualifiers Applied

Method: ASTM D1498
Matrix: SO

Analyte	Concentration (mV)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
Oxidation Reduction Potential	459	429	7		No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 6010B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB08-SA5B-122210	IRON	J	0.0640	0.200	PQL	mg/L	J (all detects)

Method: 6020

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB08-SA5B-122210	LEAD	J	0.000055	0.0010	PQL	mg/L	J (all detects)

Method: 8260B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
FB06-SA5B-122210	CHLOROFORM	J	1	5	PQL	ug/L	J (all detects)

Method: 8270C SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB08-SA5B-122210	BIS(2-ETHYLHEXYL)PHTHALATE	J	0.25	1.1	PQL	ug/L	J (all detects)
	Butylbenzylphthalate	J	0.067	1.1	PQL	ug/L	
	Diethylphthalate	J	0.098	1.1	PQL	ug/L	
	Di-n-butylphthalate	J	0.40	1.1	PQL	ug/L	
	Di-n-octylphthalate	J	0.083	1.1	PQL	ug/L	
	NAPHTHALENE	J	0.034	0.053	PQL	ug/L	
FB06-SA5B-122210	1-METHYLNAPHTHALENE	J	0.017	0.052	PQL	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.022	0.052	PQL	ug/L	
	BIS(2-ETHYLHEXYL)PHTHALATE	J	0.22	1.0	PQL	ug/L	
	Butylbenzylphthalate	J	0.065	1.0	PQL	ug/L	
	Di-n-butylphthalate	J	0.069	1.0	PQL	ug/L	
	Di-n-octylphthalate	J	0.087	1.0	PQL	ug/L	

Method: 6010B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP10-SA5B-QC-122210	BORON	J	4.36	5.62	PQL	mg/Kg	J (all detects)
	SODIUM	J	92.3	112	PQL	mg/Kg	
	TIN	J	2.22	11.2	PQL	mg/Kg	
	Zirconium	J	1.88	5.62	PQL	mg/Kg	
SED-010-SIV-SD-0.0-0.5	SODIUM	J	56.7	119	PQL	mg/Kg	J (all detects)
	TIN	J	2.40	11.9	PQL	mg/Kg	
SL-024-SA5B-SS-0.0-0.5	BORON	J	4.85	6.02	PQL	mg/Kg	J (all detects)
	SODIUM	J	104	120	PQL	mg/Kg	
	TIN	J	2.26	12.0	PQL	mg/Kg	
	Zirconium	J	2.14	6.02	PQL	mg/Kg	

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

Reporting Limit Outliers

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 6010B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-100-SA5B-SS-0.0-0.5	BORON	J	5.13	5.69	PQL	mg/Kg	J (all detects)
	SODIUM	J	95.5	114	PQL	mg/Kg	
	TIN	J	2.26	11.4	PQL	mg/Kg	
	Zirconium	J	3.01	5.69	PQL	mg/Kg	
SL-101-SA5B-SS-0.0-0.5	BORON	J	5.41	5.66	PQL	mg/Kg	J (all detects)
	TIN	J	2.50	11.3	PQL	mg/Kg	
	Zirconium	J	2.40	5.66	PQL	mg/Kg	
SL-102-SA5B-SS-0.0-0.5	BORON	J	4.70	5.43	PQL	mg/Kg	J (all detects)
	TIN	J	2.27	10.9	PQL	mg/Kg	
	Zirconium	J	2.04	5.43	PQL	mg/Kg	
SL-114-SA5B-SS-0.0-0.5	TIN	J	2.21	12.5	PQL	mg/Kg	J (all detects)
	Zirconium	J	1.94	6.23	PQL	mg/Kg	
SL-117-SA5B-SS-0.0-0.5	TIN	J	2.05	12.3	PQL	mg/Kg	J (all detects)
	Zirconium	J	2.97	6.14	PQL	mg/Kg	
SL-118-SA5B-SS-0.0-0.5	BORON	J	5.79	5.84	PQL	mg/Kg	J (all detects)
	SODIUM	J	72.7	117	PQL	mg/Kg	
	TIN	J	1.61	11.7	PQL	mg/Kg	
	Zirconium	J	1.94	5.84	PQL	mg/Kg	
SL-145-SA5B-SB-4.0-5.0	TIN	J	1.77	10.9	PQL	mg/Kg	J (all detects)
	Zirconium	J	2.17	5.45	PQL	mg/Kg	
SL-157-SA5B-SB-4.0-5.0	BORON	J	3.70	5.23	PQL	mg/Kg	J (all detects)
	TIN	J	2.24	10.5	PQL	mg/Kg	
	Zirconium	J	1.84	5.23	PQL	mg/Kg	
SL-157-SA5B-SB-9.0-10.0	BORON	J	3.90	5.52	PQL	mg/Kg	J (all detects)
	SODIUM	J	96.7	110	PQL	mg/Kg	
	TIN	J	2.36	11.0	PQL	mg/Kg	
	Zirconium	J	2.05	5.52	PQL	mg/Kg	
SL-158-SA5B-SB-4.0-5.0	BORON	J	3.92	5.54	PQL	mg/Kg	J (all detects)
	TIN	J	2.35	11.1	PQL	mg/Kg	
	Zirconium	J	2.09	5.54	PQL	mg/Kg	

Method: 6020

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP10-SA5B-QC-122210	ANTIMONY	J	0.0960	0.232	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.121	0.463	PQL	mg/Kg	
	SILVER	J	0.0302	0.116	PQL	mg/Kg	
SED-010-SIV-SD-0.0-0.5	SELENIUM	J	0.137	0.465	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0232	0.116	PQL	mg/Kg	
SL-024-SA5B-SS-0.0-0.5	SELENIUM	J	0.152	0.501	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0342	0.125	PQL	mg/Kg	
SL-100-SA5B-SS-0.0-0.5	ANTIMONY	J	0.120	0.228	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.127	0.455	PQL	mg/Kg	
	SILVER	J	0.0305	0.114	PQL	mg/Kg	
SL-101-SA5B-SS-0.0-0.5	ANTIMONY	J	0.0982	0.227	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.210	0.453	PQL	mg/Kg	
	SILVER	J	0.0532	0.113	PQL	mg/Kg	
SL-102-SA5B-SS-0.0-0.5	ANTIMONY	J	0.134	0.222	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.195	0.443	PQL	mg/Kg	
	SILVER	J	0.0333	0.111	PQL	mg/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 6020

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-114-SA5B-SS-0.0-0.5	ANTIMONY	J	0.0895	0.247	PQL	mg/Kg	
	SELENIUM	J	0.188	0.494	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0289	0.123	PQL	mg/Kg	
SL-117-SA5B-SS-0.0-0.5	ANTIMONY	J	0.189	0.248	PQL	mg/Kg	
	SELENIUM	J	0.296	0.496	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0309	0.124	PQL	mg/Kg	
SL-118-SA5B-SS-0.0-0.5	ANTIMONY	J	0.128	0.229	PQL	mg/Kg	
	SELENIUM	J	0.265	0.458	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0300	0.114	PQL	mg/Kg	
SL-145-SA5B-SB-4.0-5.0	ANTIMONY	J	0.103	0.227	PQL	mg/Kg	
	SELENIUM	J	0.163	0.453	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0394	0.113	PQL	mg/Kg	
SL-157-SA5B-SB-4.0-5.0	SELENIUM	J	0.146	0.426	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0237	0.107	PQL	mg/Kg	
SL-157-SA5B-SB-9.0-10.0	ANTIMONY	J	0.0651	0.214	PQL	mg/Kg	
	SELENIUM	J	0.104	0.429	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0339	0.107	PQL	mg/Kg	
SL-158-SA5B-SB-4.0-5.0	SELENIUM	J	0.162	0.439	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0396	0.110	PQL	mg/Kg	

Method: 7199

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP10-SA5B-QC-122210	HEXAVALENT CHROMIUM	J	0.39	1.2	PQL	mg/Kg	J (all detects)
SL-024-SA5B-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.25	1.3	PQL	mg/Kg	J (all detects)
SL-100-SA5B-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.30	1.2	PQL	mg/Kg	J (all detects)
SL-102-SA5B-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.32	1.1	PQL	mg/Kg	J (all detects)
SL-114-SA5B-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.36	1.2	PQL	mg/Kg	J (all detects)
SL-117-SA5B-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.33	1.2	PQL	mg/Kg	J (all detects)
SL-118-SA5B-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.44	1.2	PQL	mg/Kg	J (all detects)
SL-145-SA5B-SB-4.0-5.0	HEXAVALENT CHROMIUM	J	0.41	1.1	PQL	mg/Kg	J (all detects)
SL-157-SA5B-SB-4.0-5.0	HEXAVALENT CHROMIUM	J	0.40	1.1	PQL	mg/Kg	J (all detects)
SL-157-SA5B-SB-9.0-10.0	HEXAVALENT CHROMIUM	J	0.50	1.1	PQL	mg/Kg	J (all detects)
SL-158-SA5B-SB-4.0-5.0	HEXAVALENT CHROMIUM	J	0.51	1.1	PQL	mg/Kg	J (all detects)

Method: 7471A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP10-SA5B-QC-122210	MERCURY	J	0.0128	0.113	PQL	mg/Kg	J (all detects)
SED-010-SIV-SD-0.0-0.5	MERCURY	J	0.0093	0.122	PQL	mg/Kg	J (all detects)
SL-024-SA5B-SS-0.0-0.5	MERCURY	J	0.0108	0.120	PQL	mg/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE051 | Laboratory: LL

EDD Filename: DE051_v1 | eQAPP Name: CDM_SSFL_110509

Method: 7471A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-100-SA5B-SS-0.0-0.5	MERCURY	J	0.0161	0.109	PQL	mg/Kg	J (all detects)
SL-102-SA5B-SS-0.0-0.5	MERCURY	J	0.0763	0.108	PQL	mg/Kg	J (all detects)
SL-157-SA5B-SB-4.0-5.0	MERCURY	J	0.0042	0.110	PQL	mg/Kg	J (all detects)
SL-158-SA5B-SB-4.0-5.0	MERCURY	J	0.0048	0.107	PQL	mg/Kg	J (all detects)

Method: 8015B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-114-SA5B-SS-0.0-0.5	Isopropanol	J	140	620	PQL	ug/Kg	J (all detects)
	METHANOL	J	520	620	PQL	ug/Kg	

Method: 8015M

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-114-SA5B-SS-0.0-0.5	EFH (C15-C20)	J	0.61	1.5	PQL	mg/Kg	J (all detects)
SL-117-SA5B-SS-0.0-0.5	EFH (C15-C20)	J	0.72	1.5	PQL	mg/Kg	J (all detects)
SL-118-SA5B-SS-0.0-0.5	EFH (C15-C20)	J	0.80	1.4	PQL	mg/Kg	J (all detects)
SL-145-SA5B-SB-4.0-5.0	EFH (C15-C20)	J	0.94	1.4	PQL	mg/Kg	J (all detects)

Method: 8081A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-101-SA5B-SS-0.0-0.5	ENDOSULFAN SULFATE	J	0.20	0.40	PQL	ug/Kg	J (all detects)
SL-117-SA5B-SS-0.0-0.5	4,4'-DDT	J	0.10	0.42	PQL	ug/Kg	J (all detects)
	MIREX	J	0.13	0.42	PQL	ug/Kg	

Method: 8082

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP10-SA5B-QC-122210	Aroclor 5460	J	2.1	3.8	PQL	ug/Kg	J (all detects)
SED-010-SIV-SD-0.0-0.5	AROCLOR 1254	J	2.0	2.1	PQL	ug/Kg	J (all detects)
	AROCLOR 1260	J	1.2	2.1	PQL	ug/Kg	
SL-024-SA5B-SS-0.0-0.5	AROCLOR 1260	J	1.2	2.1	PQL	ug/Kg	J (all detects)
	Aroclor 5460	J	1.4	4.1	PQL	ug/Kg	
SL-114-SA5B-SS-0.0-0.5	AROCLOR 1260	J	1.1	2.1	PQL	ug/Kg	J (all detects)
	Aroclor 5460	J	1.9	4.1	PQL	ug/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 8082

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-118-SA5B-SS-0.0-0.5	AROCLOR 1254	J	0.79	2.0	PQL	ug/Kg	J (all detects)
	AROCLOR 1260	J	1.0	2.0	PQL	ug/Kg	
	Aroclor 5460	J	2.5	3.9	PQL	ug/Kg	

Method: 8151A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP10-SA5B-QC-122210	2,4-DB	J	1.7	2.0	PQL	ug/Kg	J (all detects)
SL-024-SA5B-SS-0.0-0.5	2,4-DB	J	0.97	2.1	PQL	ug/Kg	J (all detects)
SL-100-SA5B-SS-0.0-0.5	2,4,5-T	J	0.12	0.20	PQL	ug/Kg	J (all detects)
SL-101-SA5B-SS-0.0-0.5	MCPA	J	180	290	PQL	ug/Kg	J (all detects)
SL-102-SA5B-SS-0.0-0.5	2,4-DB	J	1.2	1.9	PQL	ug/Kg	J (all detects)
SL-114-SA5B-SS-0.0-0.5	2,4-DB	J	0.87	2.1	PQL	ug/Kg	J (all detects)
SL-117-SA5B-SS-0.0-0.5	DICHLOROPROP	J	2.0	2.1	PQL	ug/Kg	J (all detects)
	MCPA	J	240	310	PQL	ug/Kg	
SL-118-SA5B-SS-0.0-0.5	MCPA	J	110	290	PQL	ug/Kg	J (all detects)

Method: 8260B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-114-SA5B-SS-0.0-0.5	METHYLENE CHLORIDE	J	0.43	4.0	PQL	ug/Kg	J (all detects)
	TOLUENE	J	0.11	4.0	PQL	ug/Kg	
SL-117-SA5B-SS-0.0-0.5	METHYLENE CHLORIDE	J	0.44	4.2	PQL	ug/Kg	J (all detects)
	TOLUENE	J	0.15	4.2	PQL	ug/Kg	
SL-118-SA5B-SS-0.0-0.5	METHYLENE CHLORIDE	J	0.43	4.0	PQL	ug/Kg	J (all detects)
	TOLUENE	J	0.11	4.0	PQL	ug/Kg	
SL-145-SA5B-SB-4.0-5.0	METHYLENE CHLORIDE	J	0.38	3.7	PQL	ug/Kg	J (all detects)
	TOLUENE	J	0.1	3.7	PQL	ug/Kg	
SL-157-SA5B-SB-4.0-5.0	TOLUENE	J	0.09	3.8	PQL	ug/Kg	J (all detects)
SL-158-SA5B-SB-4.0-5.0	METHYLENE CHLORIDE	J	0.41	4.2	PQL	ug/Kg	J (all detects)
	TOLUENE	J	0.13	4.2	PQL	ug/Kg	

Method: 8270C

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP10-SA5B-QC-122210	BIS(2-ETHYLHEXYL)PHTHALATE	J	23	390	PQL	ug/Kg	J (all detects)
SED-010-SIV-SD-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	130	410	PQL	ug/Kg	J (all detects)
SL-100-SA5B-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	20	390	PQL	ug/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 8270C

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-101-SA5B-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	58	390	PQL	ug/Kg	J (all detects)
SL-114-SA5B-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	87	420	PQL	ug/Kg	J (all detects)
SL-117-SA5B-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	22	410	PQL	ug/Kg	J (all detects)
SL-118-SA5B-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	23	390	PQL	ug/Kg	J (all detects)

Method: 8270C SIM

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP10-SA5B-QC-122210	BENZO(A)ANTHRACENE	J	1.6	1.9	PQL	ug/Kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	1.4	1.9	PQL	ug/Kg	
	BENZO(K)FLUORANTHENE	J	1.2	1.9	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	0.97	1.9	PQL	ug/Kg	
SED-010-SIV-SD-0.0-0.5	BENZO(B)FLUORANTHENE	J	1.2	2.0	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	1.1	2.0	PQL	ug/Kg	
	FLUORANTHENE	J	1.1	2.0	PQL	ug/Kg	
	NAPHTHALENE	J	1.0	2.0	PQL	ug/Kg	
	PHENANTHRENE	J	1.8	2.0	PQL	ug/Kg	
	PYRENE	J	1.0	2.0	PQL	ug/Kg	
SL-024-SA5B-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	1.3	2.1	PQL	ug/Kg	J (all detects)
	BENZO(A)PYRENE	J	1.3	2.1	PQL	ug/Kg	
	BENZO(K)FLUORANTHENE	J	0.85	2.1	PQL	ug/Kg	
	CHRYSENE	J	1.6	2.1	PQL	ug/Kg	
	Di-n-butylphthalate	J	12	23	PQL	ug/Kg	
	PYRENE	J	2.0	2.1	PQL	ug/Kg	
SL-100-SA5B-SS-0.0-0.5	ANTHRACENE	J	0.81	1.9	PQL	ug/Kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.80	1.9	PQL	ug/Kg	
	Di-n-butylphthalate	J	10	21	PQL	ug/Kg	
SL-101-SA5B-SS-0.0-0.5	BENZO(B)FLUORANTHENE	J	0.81	2.0	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	0.67	2.0	PQL	ug/Kg	
	FLUORANTHENE	J	1.6	2.0	PQL	ug/Kg	
	NAPHTHALENE	J	0.91	2.0	PQL	ug/Kg	
	PHENANTHRENE	J	1.6	2.0	PQL	ug/Kg	
	PYRENE	J	1.2	2.0	PQL	ug/Kg	
SL-102-SA5B-SS-0.0-0.5	Diethylphthalate	J	7.7	20	PQL	ug/Kg	J (all detects)
	Di-n-butylphthalate	J	7.2	20	PQL	ug/Kg	
SL-114-SA5B-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	1.7	2.1	PQL	ug/Kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	1.3	2.1	PQL	ug/Kg	
	BENZO(K)FLUORANTHENE	J	1.6	2.1	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	1.1	2.1	PQL	ug/Kg	
	NAPHTHALENE	J	0.84	2.1	PQL	ug/Kg	
SL-117-SA5B-SS-0.0-0.5	2-METHYLNAPHTHALENE	J	0.95	2.1	PQL	ug/Kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.98	2.1	PQL	ug/Kg	
	Diethylphthalate	J	11	22	PQL	ug/Kg	
	Di-n-butylphthalate	J	8.4	22	PQL	ug/Kg	
SL-118-SA5B-SS-0.0-0.5	BENZO(B)FLUORANTHENE	J	1.3	2.0	PQL	ug/Kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	1.0	2.0	PQL	ug/Kg	
	CHRYSENE	J	1.0	2.0	PQL	ug/Kg	
	Diethylphthalate	J	7.4	21	PQL	ug/Kg	
	Di-n-butylphthalate	J	11	21	PQL	ug/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DE051 **Laboratory: LL**

EDD Filename: DE051_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **8270C SIM**

Matrix: **SO**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
SL-145-SA5B-SB-4.0-5.0	2-METHYLNAPHTHALENE	J	0.89	1.9	PQL	ug/Kg	
	BENZO(B)FLUORANTHENE	J	0.87	1.9	PQL	ug/Kg	
	BIS(2-ETHYLHEXYL)PHTHALATE	J	15	21	PQL	ug/Kg	
	Di-n-butylphthalate	J	7.2	21	PQL	ug/Kg	J (all detects)
	NAPHTHALENE	J	0.90	1.9	PQL	ug/Kg	
	PHENANTHRENE	J	1.4	1.9	PQL	ug/Kg	
	PYRENE	J	0.78	1.9	PQL	ug/Kg	
SL-157-SA5B-SB-9.0-10.0	BIS(2-ETHYLHEXYL)PHTHALATE	J	9.4	20	PQL	ug/Kg	J (all detects)
SL-158-SA5B-SB-4.0-5.0	Di-n-butylphthalate	J	8.2	20	PQL	ug/Kg	J (all detects)

LDC #: 25550G4 **VALIDATION COMPLETENESS WORKSHEET** Date: 6/6/4

SDG #: DE051 ADR Page: 1 of 1

Laboratory: Lancaster Laboratories Reviewer: dL

2nd Reviewer: W

METHOD: Metals (EPA SW 846 Method 6010B/6020A/7000)

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

	Validation Area		Comments
I.	Technical holding times	N	Sampling dates:
II.	ICP/MS Tune	—	
III.	Calibration	—	
IV.	Blanks	SW	
V.	ICP Interference Check Sample (ICS) Analysis	N	
VI.	Matrix Spike Analysis	N	MS/D (Al, Ba, Ca, Fe, Mg, Mn, Ti, V, Zn >4x)
VII.	Duplicate Sample Analysis	N	Dup (Sb; Zr <5x)
VIII.	Laboratory Control Samples (LCS)	N	LCS/D
IX.	Internal Standard (ICP-MS)	N	
X.	Furnace Atomic Absorption QC	N	
XI.	ICP Serial Dilution	SW	J/UJ/A (A)
XII.	Sample Result Verification	N	
XIII.	Overall Assessment of Data	N	
XIV.	Field Duplicates	—	
XV	Field Blanks	SW	EB=2, *FB=3

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

Validated Samples:

1	DUP10-SA5B-QC-122210	11	SL-024-SA5B-SS--0.0-0.5	21		31	
2	EB08-SA5B-122210	12	SL-157-SA5B-SS-4.0-5.0	22		32	
3	FB06-SA5B-122210	13	SL-158-SA5B-SS-4.0-5.0	23		33	
4	SED-010-SIV-SD-0.0-0.5	14	SL-157-SA5B-SS-9.0-10.0	24		34	
5	SL-101-SA5B-SS-0.0-0.5	15	SL-145-SA5B-SS-4.0-5.0	25		35	
6	SL-117-SA5B-SS--0.0-0.5	16	SL-100-SA5B-SS--0.0-0.5MS	26		36	
7	SL-118-SA5B-SS--0.0-0.5	17	SL-100-SA5B-SS--0.0-0.5MSD	27		37	
8	SL-100-SA5B-SS--0.0-0.5	18	SL-100-SA5B-SS--0.0-0.5DUP	28		38	
9	SL-114-SA5B-SS--0.0-0.5	19		29		39	
10	SL-102-SA5B-SS--0.0-0.5	20		30		40	

Notes:

LDC #: 25550 6 4

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: CR
2nd reviewer: [signature]

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-15		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
QC-1618		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr
Analysis Method		
ICP		Al, B, Ca, Fe, Li, Mg, Mn, P, K, Na, Sr, Sn, Ti, Zr
ICP-MS		Sb, As, Ba, Be, Cd, Cr, Co, Cu, Rb, Mo, Ni, Se, Ag, Tl, V, Zn

Comments: Mercury by CVAA if performed

LDC #: 25550G4

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

Reviewer: CR
2nd Reviewer: [illegible]

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000) Soil preparation factor applied: 100x x ICPMS (2dil)
Sample Concentration units, unless otherwise noted: ug/L Associated Samples: All Reason: B

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (ug/L)	Maximum ICB/CCB[a] (ug/L)	Action Limit	1	5	6	7	8	9	10	13	14	15		
Sb			0.39	0.39	0.096	0.098	0.19	0.13	0.12	0.089	0.13	0.066	0.065	0.10		

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 25550G4

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: OR
2nd Reviewer:

METHOD: Trace Metals (EPA SW846 6010B/7000)
(Y) N N/A Were field blanks identified in this SDG?
(Y) N N/A Were target analytes detected in the field blanks?
Blank units: ug/L **Associated sample units:** mg/KG
Sampling date: 12/22/10 Soil factor applied 100x
Field blank type: (circle one) Field Blank / Rinsate / Other: Associated Samples: All Soil

Analyte	Blank ID	Sample Identification										
	2	Action Level	No Qualifiers									
Fe	64.0	32										
Pb	0.055	0.0275										

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

Lancaster Laboratories

QUALITY ASSURANCE SUMMARY
FORM 9
SERIAL DILUTIONS
SDG No.: DE051
Matrix: SOIL Level (low/med): LOW

Background Lab Sample ID: 6173167BKG Serial Dilution Lab Sample ID: 6173167L
Batch ID(s): P36408B, P36426B, P01026B
Concentration Units: UG/L

Analyte	Mass	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Diff.	Q	M
Aluminum		136129.7800		127477.3000		6		P
Antimony	121	0.5279	B	1.5000	U	100		MS
Arsenic	75	14.1100		16.1300		14		MS
Barium	137	447.0000		496.0500		11	E	MS
Beryllium	9	1.7720		1.9050	B	8		MS
Boron		45.0200	B	65.3000	B	45		P
Cadmium	111	0.5325		0.9000	U	100		MS
Calcium		45607.0100		47789.8500		5		P
Chromium	52	65.5600		78.7500		20	E	MS
Cobalt	59	23.2200		28.1350		21	E	MS
Copper	63	57.9200		55.6000		4		MS
Iron		184162.5200		178821.0000		3		P
Lead	208	21.9700		23.2650		6		MS
Lithium		201.7500		206.2000		2		P
Magnesium		43413.3200		44314.6000		2		P
Manganese		2482.4600		2549.5500		3		P
Molybdenum	98	1.9630		2.5450		30		MS
Nickel	60	45.5200		55.6000		22		MS
Phosphorus		3717.5400		3715.0000		0		P
Potassium		26752.5400		27879.8500		4		P
Selenium	78	0.5569	B	1.0000	U	100		MS
Silver	107	0.1338	B	0.3000	U	100		MS
Sodium		838.3400	B	1865.0000	U	100		P
Strontium		224.4700		225.2000		0		P
Thallium	203	1.0690		1.0620	B	1		MS
Tin		19.8500	B	50.0000	U	100		P
Titanium		9920.4600		10413.7500		5		P
Vanadium	51	208.3000		200.4000		4		MS
Zinc	66	251.1000		281.0000		12		MS
Zirconium		26.4600	B	42.0000	U	100		P

NOTE: An E in column Q indicates the presence of a chemical or physical interference in the matrix when the % difference is greater than 10%. This applies only when (I) is greater than or equal to 50x MDL for ICP, 100x MDL for ICP-MS (6020), 50x MDL for ICP-MS (200.8), or 25x MDL for GFAA.

METHODS:
P = ICP Atomic Emission Spectrometer
MS = ICP Mass Spectrometry

CONCENTRATION QUALIFIERS:
U= Below MDL
B= Below LOQ

FLAGS:
E = Matrix Effects exist as proven by Serial Dilution or Spiked Dilution

DE051 6252

SAMPLE DELIVERY GROUP

DE060

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
13-Jan-2011	TB-011311	6183560	TB	5030B	8260B	III
13-Jan-2011	TB-011311	6183560	TB	5030B	8260B SIM	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	3050B	6010B	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	3050B	6020	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	3060A	7199	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	3550B	8082	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	3550B	8270C	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	3550B	8270C SIM	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	5035	8260B	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	5035	8260B SIM	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	Gen Prep	9045M	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	METHOD	300.0	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	METHOD	314.0	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183554	N	METHOD	7471A	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	3050B	6010B	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	3050B	6020	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	3060A	7199	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	3550B	8082	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	3550B	8270C	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	3550B	8270C SIM	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	5035	8260B	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	5035	8260B SIM	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	Gen Prep	9045M	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	METHOD	300.0	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	METHOD	314.0	III
13-Jan-2011	SL-301-SA5B-SB-4.0-5.0	6183547	N	METHOD	7471A	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	3050B	6010B	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	3050B	6020	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	3060A	7199	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	3550B	8081A	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	3550B	8082	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	3550B	8151A	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	3550B	8270C	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	3550B	8270C SIM	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	Gen Prep	9045M	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	METHOD	300.0	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	METHOD	314.0	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183555	N	METHOD	7471A	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5MSD	P183555M241222A	MSD	3550B	8151A	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5MS	P183555R241154A	MS	3550B	8151A	III
13-Jan-2011	SL-301-SA5B-SB-7.5-8.5	6183548	N	3050B	6010B	III
13-Jan-2011	SL-301-SA5B-SB-7.5-8.5	6183548	N	3050B	6020	III
13-Jan-2011	SL-301-SA5B-SB-7.5-8.5	6183548	N	3060A	7199	III
13-Jan-2011	SL-301-SA5B-SB-7.5-8.5	6183548	N	3550B	8082	III
13-Jan-2011	SL-301-SA5B-SB-7.5-8.5	6183548	N	3550B	8270C	III
13-Jan-2011	SL-301-SA5B-SB-7.5-8.5	6183548	N	3550B	8270C SIM	III
13-Jan-2011	SL-301-SA5B-SB-7.5-8.5	6183548	N	Gen Prep	9045M	III
13-Jan-2011	SL-301-SA5B-SB-7.5-8.5	6183548	N	METHOD	300.0	III
13-Jan-2011	SL-301-SA5B-SB-7.5-8.5	6183548	N	METHOD	314.0	III
13-Jan-2011	SL-301-SA5B-SB-7.5-8.5	6183548	N	METHOD	7471A	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	3050B	6010B	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	3050B	6020	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	3060A	7199	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	3550B	8082	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	3550B	8270C	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	3550B	8270C SIM	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	5035	8260B	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	5035	8260B SIM	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	Gen Prep	9045M	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	METHOD	300.0	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	METHOD	314.0	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183551	N	METHOD	7471A	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0DUP	P183551D271743A	DUP	3060A	7199	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0MS	P183551R271659A	MS	3060A	7199	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10	6183552	N	3050B	6010B	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10	6183552	N	3050B	6020	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10	6183552	N	3060A	7199	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10	6183552	N	3550B	8082	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10	6183552	N	3550B	8270C	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10	6183552	N	3550B	8270C SIM	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10	6183552	N	Gen Prep	9045M	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10	6183552	N	METHOD	300.0	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10	6183552	N	METHOD	314.0	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10	6183552	N	METHOD	7471A	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	3050B	6010B	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	3050B	6020	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	3060A	7199	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	3550B	8082	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	3550B	8270C	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	3550B	8270C SIM	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	5035	8260B	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	5035	8260B SIM	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	Gen Prep	9045M	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	METHOD	300.0	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	METHOD	314.0	III
13-Jan-2011	SL-074-SA5B-SB-4.0-5.0	6183549	N	METHOD	7471A	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	3050B	6010B	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	3050B	6020	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	3060A	7199	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	3550B	8081A	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	3550B	8082	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	3550B	8151A	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	3550B	8270C	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	3550B	8270C SIM	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	Gen Prep	9045M	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	METHOD	300.0	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	METHOD	314.0	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183556	N	METHOD	7471A	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5DUP	P183556D271317B	DUP	METHOD	300.0	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5MS	P183556R271329B	MS	METHOD	300.0	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0	6183550	N	3050B	6010B	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0	6183550	N	3050B	6020	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0	6183550	N	3060A	7199	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0	6183550	N	3550B	8082	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0	6183550	N	3550B	8270C	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0	6183550	N	3550B	8270C SIM	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0	6183550	N	Gen Prep	9045M	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0	6183550	N	METHOD	300.0	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0	6183550	N	METHOD	314.0	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0	6183550	N	METHOD	7471A	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0DUP	P183550D272146B	DUP	METHOD	314.0	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0DUP	P183550D291245B	DUP	Gen Prep	9045M	III
13-Jan-2011	SL-074-SA5B-SB-7.0-8.0MS	P183550R272210B	MS	METHOD	314.0	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	3050B	6010B	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	3050B	6020	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	3060A	7199	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	3550B	8082	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	3550B	8270C	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	3550B	8270C SIM	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	5035	8260B	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	5035	8260B SIM	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	Gen Prep	9045M	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	METHOD	300.0	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	METHOD	314.0	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183553	N	METHOD	7471A	III
13-Jan-2011	EB21-SA5B-011311	6183559	EB	3005A	6010B	III
13-Jan-2011	EB21-SA5B-011311	6183559	EB	3020A	6020	III
13-Jan-2011	EB21-SA5B-011311	6183559	EB	3510C	8082	III
13-Jan-2011	EB21-SA5B-011311	6183559	EB	3510C	8270C	III
13-Jan-2011	EB21-SA5B-011311	6183559	EB	3510C	8270C SIM	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
13-Jan-2011	EB21-SA5B-011311	6183559	EB	Gen Prep	300.0	III
13-Jan-2011	EB21-SA5B-011311	6183559	EB	Gen Prep	314.0	III
13-Jan-2011	EB21-SA5B-011311	6183559	EB	Gen Prep	7199	III
13-Jan-2011	EB21-SA5B-011311	6183559	EB	METHOD	7470A	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	3050B	6010B	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	3050B	6020	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	3060A	7199	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	3550B	8082	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	3550B	8270C	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	3550B	8270C SIM	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	5035	8260B	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	5035	8260B SIM	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	Gen Prep	9045M	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	METHOD	300.0	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	METHOD	314.0	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0	6183546	N	METHOD	7471A	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0DUP	P183546D270835A	DUP	METHOD	300.0	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0MSD	P183546M241719A	MSD	3550B	8082	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0MSD	P183546M261017	MSD	3550B	8270C	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0MSD	P183546M261110	MSD	3550B	8270C SIM	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0MS	P183546R212313A	MS	5035	8260B	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0MS	P183546R241700A	MS	3550B	8082	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0MS	P183546R260952	MS	3550B	8270C	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0MS	P183546R261038	MS	3550B	8270C SIM	III
13-Jan-2011	SL-073-SA5B-SB-4.0-5.0MS	P183546R270847A	MS	METHOD	300.0	III
13-Jan-2011	EB20-SA5B-011311	6183558	EB	3005A	6010B	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
13-Jan-2011	EB20-SA5B-011311	6183558	EB	3020A	6020	III
13-Jan-2011	EB20-SA5B-011311	6183558	EB	3510C	8082	III
13-Jan-2011	EB20-SA5B-011311	6183558	EB	3510C	8270C	III
13-Jan-2011	EB20-SA5B-011311	6183558	EB	3510C	8270C SIM	III
13-Jan-2011	EB20-SA5B-011311	6183558	EB	Gen Prep	300.0	III
13-Jan-2011	EB20-SA5B-011311	6183558	EB	Gen Prep	314.0	III
13-Jan-2011	EB20-SA5B-011311	6183558	EB	Gen Prep	7199	III
13-Jan-2011	EB20-SA5B-011311	6183558	EB	METHOD	7470A	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	3050B	6010B	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	3050B	6020	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	3060A	7199	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	3550B	8082	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	3550B	8270C	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	3550B	8270C SIM	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	5035	8260B	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	5035	8260B SIM	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	Gen Prep	9045M	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	METHOD	300.0	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	METHOD	314.0	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	METHOD	6850	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183557	N	METHOD	7471A	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: GENCHEM

Method: 300.0 **Matrix: SO**

Sample ID: SED-028-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 11:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.0		1.1	MDL	1.4	PQL	mg/Kg	J	Q

Sample ID: SL-122-SA5B-SB-2.0-3.0 *Collected:* 1/13/2011 1:39:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	1.8		0.93	MDL	1.2	PQL	mg/Kg	J	Q

Method Category: METALS

Method: 6010B **Matrix: SO**

Sample ID: SED-009-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	64.0	J	48.8	MDL	131	PQL	mg/Kg	J	Z
TIN	2.74	J	1.31	MDL	13.1	PQL	mg/Kg	J	Z

Sample ID: SED-028-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 11:15:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	65.7	J	51.3	MDL	138	PQL	mg/Kg	J	Z
TIN	2.53	J	1.38	MDL	13.8	PQL	mg/Kg	J	Z
Zirconium	2.10	J	1.16	MDL	6.88	PQL	mg/Kg	J	Z

Sample ID: SL-073-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 12:31:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.41	J	1.10	MDL	11.0	PQL	mg/Kg	J	Z
Zirconium	1.25	J	0.923	MDL	5.49	PQL	mg/Kg	J	Z

Sample ID: SL-074-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 11:11:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.00	J	1.12	MDL	11.2	PQL	mg/Kg	J	Z
Zirconium	1.66	J	0.937	MDL	5.58	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory:** LL

EDD Filename: PrepDE060_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: METALS

Method: 6010B **Matrix:** SO

Sample ID: SL-074-SA5B-SB-7.0-8.0 *Collected:* 1/13/2011 11:16:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.21	J	1.13	MDL	11.3	PQL	mg/Kg	J	Z
Zirconium	2.53	J	0.952	MDL	5.67	PQL	mg/Kg	J	Z

Sample ID: SL-119-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 8:53:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.82	J	1.10	MDL	11.0	PQL	mg/Kg	J	Z
Zirconium	1.43	J	0.927	MDL	5.52	PQL	mg/Kg	J	Z

Sample ID: SL-120-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 11:25:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	106	J	40.5	MDL	109	PQL	mg/Kg	J	Z
TIN	2.59	J	1.09	MDL	10.9	PQL	mg/Kg	J	Z
Zirconium	1.69	J	0.913	MDL	5.43	PQL	mg/Kg	J	Z

Sample ID: SL-121-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 10:22:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	68.0	J	39.9	MDL	107	PQL	mg/Kg	J	Z
TIN	2.15	J	1.07	MDL	10.7	PQL	mg/Kg	J	Z
Zirconium	1.92	J	0.899	MDL	5.35	PQL	mg/Kg	J	Z

Sample ID: SL-121-SA5B-SB-9.0-10 *Collected:* 1/13/2011 10:27:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.08	J	1.26	MDL	12.6	PQL	mg/Kg	J	Z
Zirconium	1.83	J	1.06	MDL	6.30	PQL	mg/Kg	J	Z

Sample ID: SL-122-SA5B-SB-2.0-3.0 *Collected:* 1/13/2011 1:39:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.33	J	1.12	MDL	11.2	PQL	mg/Kg	J	Z
Zirconium	2.49	J	0.945	MDL	5.62	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6010B **Matrix: SO**

Sample ID: SL-301-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	3.01	J	1.11	MDL	11.1	PQL	mg/Kg	J	Z
Zirconium	2.28	J	0.933	MDL	5.56	PQL	mg/Kg	J	Z

Sample ID: SL-301-SA5B-SB-7.5-8.5 *Collected:* 1/13/2011 9:48:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.48	J	1.14	MDL	11.4	PQL	mg/Kg	J	Z
Zirconium	1.79	J	0.955	MDL	5.69	PQL	mg/Kg	J	Z

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SED-009-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.118	J	0.0761	MDL	0.254	PQL	mg/Kg	J	Z
SILVER	0.0798	J	0.0152	MDL	0.127	PQL	mg/Kg	J	Z

Sample ID: SED-009-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.179	J	0.0508	MDL	0.508	PQL	mg/Kg	J	Z

Sample ID: SED-028-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 11:15:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0370	J	0.0167	MDL	0.139	PQL	mg/Kg	J	Z

Sample ID: SED-028-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 11:15:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.124	J	0.0555	MDL	0.555	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-073-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 12:31:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0698	J	0.0132	MDL	0.110	PQL	mg/Kg	J	Z

Sample ID: SL-073-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 12:31:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.149	J	0.0440	MDL	0.440	PQL	mg/Kg	J	Z

Sample ID: SL-074-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 11:11:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.195	J	0.0669	MDL	0.223	PQL	mg/Kg	J	Z
SILVER	0.0588	J	0.0134	MDL	0.112	PQL	mg/Kg	J	Z

Sample ID: SL-074-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 11:11:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.121	J	0.0446	MDL	0.446	PQL	mg/Kg	J	Z

Sample ID: SL-074-SA5B-SB-7.0-8.0 *Collected:* 1/13/2011 11:16:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.135	J	0.0454	MDL	0.454	PQL	mg/Kg	J	Z

Sample ID: SL-119-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 8:53:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.108	J	0.0676	MDL	0.225	PQL	mg/Kg	J	Z
CADMIUM	0.0458	J	0.0450	MDL	0.113	PQL	mg/Kg	J	Z

Sample ID: SL-119-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 8:53:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0987	J	0.0450	MDL	0.450	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory:** LL

EDD Filename: PrepDE060_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: SL-120-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 11:25:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.141	J	0.0633	MDL	0.211	PQL	mg/Kg	J	Z
CADMIUM	0.0802	J	0.0422	MDL	0.106	PQL	mg/Kg	J	Z
SILVER	0.0158	J	0.0127	MDL	0.106	PQL	mg/Kg	J	Z

Sample ID: SL-120-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 11:25:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.121	J	0.0422	MDL	0.422	PQL	mg/Kg	J	Z

Sample ID: SL-121-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 10:22:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0839	J	0.0642	MDL	0.214	PQL	mg/Kg	J	Z
CADMIUM	0.0657	J	0.0428	MDL	0.107	PQL	mg/Kg	J	Z
SILVER	0.0157	J	0.0128	MDL	0.107	PQL	mg/Kg	J	Z

Sample ID: SL-121-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 10:22:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.117	J	0.0428	MDL	0.428	PQL	mg/Kg	J	Z

Sample ID: SL-121-SA5B-SB-9.0-10 *Collected:* 1/13/2011 10:27:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.145	J	0.0779	MDL	0.260	PQL	mg/Kg	J	Z

Sample ID: SL-121-SA5B-SB-9.0-10 *Collected:* 1/13/2011 10:27:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0697	J	0.0519	MDL	0.519	PQL	mg/Kg	J	Z

Sample ID: SL-122-SA5B-SB-2.0-3.0 *Collected:* 1/13/2011 1:39:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.185	J	0.0669	MDL	0.223	PQL	mg/Kg	J	Z
CADMIUM	0.106	J	0.0446	MDL	0.111	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-122-SA5B-SB-2.0-3.0 *Collected:* 1/13/2011 1:39:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0181	J	0.0134	MDL	0.111	PQL	mg/Kg	J	Z

Sample ID: SL-122-SA5B-SB-2.0-3.0 *Collected:* 1/13/2011 1:39:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.381	J	0.0446	MDL	0.446	PQL	mg/Kg	J	Z

Sample ID: SL-301-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.152	J	0.0648	MDL	0.216	PQL	mg/Kg	J	Z
SILVER	0.0540	J	0.0130	MDL	0.108	PQL	mg/Kg	J	Z

Sample ID: SL-301-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0836	J	0.0432	MDL	0.432	PQL	mg/Kg	J	Z

Sample ID: SL-301-SA5B-SB-7.5-8.5 *Collected:* 1/13/2011 9:48:00 *Analysis Type:* REA4 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0737	J	0.0682	MDL	0.227	PQL	mg/Kg	J	Z
CADMIUM	0.0663	J	0.0455	MDL	0.114	PQL	mg/Kg	J	Z
SILVER	0.106	J	0.0136	MDL	0.114	PQL	mg/Kg	J	Z

Method Category: METALS

Method: 7199 **Matrix: AQ**

Sample ID: EB20-SA5B-011311 *Collected:* 1/13/2011 1:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	5.0	U	5.0	MDL	10.0	PQL	ug/L	R	H

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 7199 **Matrix: AQ**

Sample ID: EB21-SA5B-011311 *Collected:* 1/13/2011 11:55:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	5.0	U	5.0	MDL	10.0	PQL	ug/L	R	H

Method Category: METALS

Method: 7199 **Matrix: SO**

Sample ID: SED-028-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 11:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.29	J	0.28	MDL	1.4	PQL	mg/Kg	J	Z

Sample ID: SL-073-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 12:31:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.57	J	0.23	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-074-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 11:11:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.43	J	0.23	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-074-SA5B-SB-7.0-8.0 *Collected:* 1/13/2011 11:16:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.54	J	0.24	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-120-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 11:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.86	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-121-SA5B-SB-9.0-10 *Collected:* 1/13/2011 10:27:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.49	J	0.26	MDL	1.3	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 7199 **Matrix: SO**

Sample ID: SL-122-SA5B-SB-2.0-3.0 *Collected:* 1/13/2011 1:39:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.42	J	0.23	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-301-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.25	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-301-SA5B-SB-7.5-8.5 *Collected:* 1/13/2011 9:48:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.60	J	0.23	MDL	1.2	PQL	mg/Kg	J	Z

Method Category: METALS

Method: 7470A **Matrix: AQ**

Sample ID: EB20-SA5B-011311 *Collected:* 1/13/2011 1:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.000050	U	0.000050	MDL	0.00020	PQL	mg/L	UJ	L

Sample ID: EB21-SA5B-011311 *Collected:* 1/13/2011 11:55:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.000050	U	0.000050	MDL	0.00020	PQL	mg/L	UJ	L

Method Category: METALS

Method: 7471A **Matrix: SO**

Sample ID: SED-009-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0220	J	0.0036	MDL	0.127	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 7471A **Matrix: SO**

Sample ID: SED-028-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 11:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0904	J	0.0040	MDL	0.140	PQL	mg/Kg	J	Z

Sample ID: SL-073-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 12:31:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0054	J	0.0031	MDL	0.107	PQL	mg/Kg	J	Z

Sample ID: SL-074-SA5B-SB-7.0-8.0 *Collected:* 1/13/2011 11:16:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0218	J	0.0032	MDL	0.112	PQL	mg/Kg	J	Z

Sample ID: SL-120-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 11:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0050	J	0.0030	MDL	0.106	PQL	mg/Kg	J	Z

Sample ID: SL-121-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 10:22:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0077	J	0.0030	MDL	0.105	PQL	mg/Kg	J	Z

Sample ID: SL-121-SA5B-SB-9.0-10 *Collected:* 1/13/2011 10:27:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0477	J	0.0036	MDL	0.126	PQL	mg/Kg	J	Z

Sample ID: SL-122-SA5B-SB-2.0-3.0 *Collected:* 1/13/2011 1:39:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0056	J	0.0032	MDL	0.112	PQL	mg/Kg	J	Z

Sample ID: SL-301-SA5B-SB-7.5-8.5 *Collected:* 1/13/2011 9:48:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0056	J	0.0033	MDL	0.115	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 7471A **Matrix: SO**

Method Category: SVOA

Method: 8081A **Matrix: SO**

Sample ID: SED-009-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDD	0.34	U	0.34	MDL	0.44	PQL	ug/Kg	UJ	S
4,4'-DDE	1.5	U	1.5	MDL	1.5	PQL	ug/Kg	UJ	S
4,4'-DDT	1.9	U	1.9	MDL	1.9	PQL	ug/Kg	UJ	S
ALDRIN	0.086	U	0.086	MDL	0.22	PQL	ug/Kg	UJ	S
ALPHA-BHC	0.044	U	0.044	MDL	0.22	PQL	ug/Kg	UJ	S
BETA-BHC	0.078	U	0.078	MDL	0.22	PQL	ug/Kg	UJ	S
Chlordane	3.0	U	3.0	MDL	4.4	PQL	ug/Kg	UJ	S
DELTA-BHC	0.047	U	0.047	MDL	0.22	PQL	ug/Kg	UJ	S
DIELDRIN	0.086	U	0.086	MDL	0.44	PQL	ug/Kg	UJ	S
ENDOSULFAN I	0.058	U	0.058	MDL	0.22	PQL	ug/Kg	UJ	S
ENDOSULFAN II	0.34	U	0.34	MDL	0.44	PQL	ug/Kg	UJ	S
ENDOSULFAN SULFATE	0.086	U	0.086	MDL	0.44	PQL	ug/Kg	UJ	S
ENDRIN	0.086	U	0.086	MDL	0.44	PQL	ug/Kg	UJ	S
ENDRIN ALDEHYDE	0.54	U	0.54	MDL	0.54	PQL	ug/Kg	UJ	S
ENDRIN KETONE	0.38	U	0.38	MDL	0.44	PQL	ug/Kg	UJ	S
gamma-BHC (Lindane)	0.044	U	0.044	MDL	0.22	PQL	ug/Kg	UJ	S
HEPTACHLOR	0.26	U	0.26	MDL	0.26	PQL	ug/Kg	UJ	S
HEPTACHLOR EPOXIDE	0.044	U	0.044	MDL	0.22	PQL	ug/Kg	UJ	S
METHOXYCHLOR	0.44	U	0.44	MDL	2.2	PQL	ug/Kg	UJ	S
MIREX	0.086	U	0.086	MDL	0.44	PQL	ug/Kg	UJ	S
TOXAPHENE	2.9	U	2.9	MDL	8.6	PQL	ug/Kg	UJ	S

Method Category: SVOA

Method: 8082 **Matrix: AQ**

Sample ID: EB20-SA5B-011311 *Collected:* 1/13/2011 1:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	0.10	U	0.10	MDL	0.52	PQL	ug/L	UJ	L
Aroclor 5442	0.10	U	0.10	MDL	0.52	PQL	ug/L	UJ	L
Aroclor 5460	0.10	U	0.10	MDL	0.52	PQL	ug/L	UJ	L

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8082 **Matrix: AQ**

Sample ID: EB21-SA5B-011311 *Collected:* 1/13/2011 11:55:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	0.10	U	0.10	MDL	0.52	PQL	ug/L	UJ	L
Aroclor 5442	0.10	U	0.10	MDL	0.52	PQL	ug/L	UJ	L
Aroclor 5460	0.10	U	0.10	MDL	0.52	PQL	ug/L	UJ	L

Method Category: SVOA

Method: 8082 **Matrix: SO**

Sample ID: SED-009-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	3.7		0.43	MDL	2.2	PQL	ug/Kg	J	S
AROCLOR 1260	3.3		0.43	MDL	2.2	PQL	ug/Kg	J	S
Aroclor 5432	1.3	U	1.3	MDL	4.3	PQL	ug/Kg	UJ	L
Aroclor 5442	1.3	U	1.3	MDL	4.3	PQL	ug/Kg	UJ	L
Aroclor 5460	3.0	J	1.3	MDL	4.3	PQL	ug/Kg	J	Z, S, L

Sample ID: SED-028-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 11:15:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	1.5	J	0.47	MDL	2.4	PQL	ug/Kg	J	Z, S
Aroclor 5432	1.4	U	1.4	MDL	4.7	PQL	ug/Kg	UJ	L
Aroclor 5442	1.4	U	1.4	MDL	4.7	PQL	ug/Kg	UJ	L
Aroclor 5460	1.4	U	1.4	MDL	4.7	PQL	ug/Kg	UJ	L

Sample ID: SL-073-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 12:31:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	1.1	U	1.1	MDL	3.8	PQL	ug/Kg	UJ	L
Aroclor 5442	1.1	U	1.1	MDL	3.8	PQL	ug/Kg	UJ	L
Aroclor 5460	1.1	U	1.1	MDL	3.8	PQL	ug/Kg	UJ	L

Sample ID: SL-074-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 11:11:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	1.2	U	1.2	MDL	3.8	PQL	ug/Kg	UJ	L

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8082 **Matrix: SO**

Sample ID: SL-074-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 11:11:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5442	1.2	U	1.2	MDL	3.8	PQL	ug/Kg	UJ	L
Aroclor 5460	1.2	U	1.2	MDL	3.8	PQL	ug/Kg	UJ	L

Sample ID: SL-074-SA5B-SB-7.0-8.0 *Collected:* 1/13/2011 11:16:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	1.2	U	1.2	MDL	3.9	PQL	ug/Kg	UJ	L
Aroclor 5442	1.2	U	1.2	MDL	3.9	PQL	ug/Kg	UJ	L
Aroclor 5460	1.2	U	1.2	MDL	3.9	PQL	ug/Kg	UJ	L

Sample ID: SL-119-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 8:53:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	1.1	U	1.1	MDL	3.7	PQL	ug/Kg	UJ	L
Aroclor 5442	1.1	U	1.1	MDL	3.7	PQL	ug/Kg	UJ	L
Aroclor 5460	1.1	U	1.1	MDL	3.7	PQL	ug/Kg	UJ	L

Sample ID: SL-120-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 11:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	1.1	U	1.1	MDL	3.6	PQL	ug/Kg	UJ	L
Aroclor 5442	1.1	U	1.1	MDL	3.6	PQL	ug/Kg	UJ	L
Aroclor 5460	1.1	U	1.1	MDL	3.6	PQL	ug/Kg	UJ	L

Sample ID: SL-121-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 10:22:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	1.1	U	1.1	MDL	3.6	PQL	ug/Kg	UJ	L
Aroclor 5442	1.1	U	1.1	MDL	3.6	PQL	ug/Kg	UJ	L
Aroclor 5460	1.1	U	1.1	MDL	3.6	PQL	ug/Kg	UJ	L

Sample ID: SL-121-SA5B-SB-9.0-10 *Collected:* 1/13/2011 10:27:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	1.3	U	1.3	MDL	4.3	PQL	ug/Kg	UJ	L

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8082 **Matrix: SO**

Sample ID: SL-121-SA5B-SB-9.0-10 *Collected:* 1/13/2011 10:27:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5442	1.3	U	1.3	MDL	4.3	PQL	ug/Kg	UJ	L
Aroclor 5460	1.3	U	1.3	MDL	4.3	PQL	ug/Kg	UJ	L

Sample ID: SL-122-SA5B-SB-2.0-3.0 *Collected:* 1/13/2011 1:39:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	1.2	U	1.2	MDL	3.8	PQL	ug/Kg	UJ	L
Aroclor 5442	1.2	U	1.2	MDL	3.8	PQL	ug/Kg	UJ	L
Aroclor 5460	1.2	U	1.2	MDL	3.8	PQL	ug/Kg	UJ	L

Sample ID: SL-301-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	1.1	U	1.1	MDL	3.7	PQL	ug/Kg	UJ	L
Aroclor 5442	1.1	U	1.1	MDL	3.7	PQL	ug/Kg	UJ	L
Aroclor 5460	1.1	U	1.1	MDL	3.7	PQL	ug/Kg	UJ	L

Sample ID: SL-301-SA5B-SB-7.5-8.5 *Collected:* 1/13/2011 9:48:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5432	1.2	U	1.2	MDL	3.8	PQL	ug/Kg	UJ	L
Aroclor 5442	1.2	U	1.2	MDL	3.8	PQL	ug/Kg	UJ	L
Aroclor 5460	1.2	U	1.2	MDL	3.8	PQL	ug/Kg	UJ	L

Method Category: SVOA

Method: 8151A **Matrix: SO**

Sample ID: SED-009-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DB	3.5	U	3.5	MDL	3.5	PQL	ug/Kg	R	Q
DINOSEB	1.0	U	1.0	MDL	3.1	PQL	ug/Kg	R	L
MCPP	340	U	340	MDL	340	PQL	ug/Kg	R	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8151A **Matrix: SO**

Sample ID: SED-028-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 11:15:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	1.1	U	1.1	MDL	3.4	PQL	ug/Kg	R	L

Method Category: SVOA

Method: 8270C **Matrix: AQ**

Sample ID: EB20-SA5B-011311 *Collected:* 1/13/2011 1:00:00 *Analysis Type:* RES-ACID *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	6	U	6	MDL	16	PQL	ug/L	UJ	E

Sample ID: EB21-SA5B-011311 *Collected:* 1/13/2011 11:55:00 *Analysis Type:* RES-ACID *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	6	U	6	MDL	16	PQL	ug/L	UJ	E

Method Category: SVOA

Method: 8270C **Matrix: SO**

Sample ID: SED-009-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	39	J	22	MDL	440	PQL	ug/Kg	U	B

Sample ID: SED-028-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 11:15:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	35	J	24	MDL	470	PQL	ug/Kg	U	B

Sample ID: SL-073-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 12:31:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZIDINE	1300	U	1300	MDL	3800	PQL	ug/Kg	UJ	Q
BIS(2-ETHYLHEXYL)PHTHALATE	38	J	19	MDL	380	PQL	ug/Kg	U	B
Di-n-octylphthalate	26	J	19	MDL	190	PQL	ug/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8270C **Matrix: SO**

Sample ID: SL-074-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 11:11:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	27	J	19	MDL	390	PQL	ug/Kg	U	B

Sample ID: SL-074-SA5B-SB-7.0-8.0 *Collected:* 1/13/2011 11:16:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	21	J	20	MDL	390	PQL	ug/Kg	U	B

Sample ID: SL-119-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 8:53:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	32	J	19	MDL	380	PQL	ug/Kg	U	B

Sample ID: SL-120-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 11:25:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	23	J	18	MDL	370	PQL	ug/Kg	U	B

Sample ID: SL-121-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 10:22:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	20	J	18	MDL	360	PQL	ug/Kg	U	B

Sample ID: SL-121-SA5B-SB-9.0-10 *Collected:* 1/13/2011 10:27:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	22	J	22	MDL	430	PQL	ug/Kg	U	B

Sample ID: SL-122-SA5B-SB-2.0-3.0 *Collected:* 1/13/2011 1:39:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	30	J	19	MDL	390	PQL	ug/Kg	U	B

Sample ID: SL-301-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	21	J	19	MDL	370	PQL	ug/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8270C **Matrix: SO**

Sample ID: SL-301-SA5B-SB-7.5-8.5 *Collected:* 1/13/2011 9:48:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	48	J	19	MDL	390	PQL	ug/Kg	U	B

Method Category: SVOA

Method: 8270C SIM **Matrix: AQ**

Sample ID: EB20-SA5B-011311 *Collected:* 1/13/2011 1:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL)PHTHALATE	0.27	J	0.058	MDL	1.2	PQL	ug/L	U	B
Diethylphthalate	0.15	J	0.058	MDL	1.2	PQL	ug/L	J	Z
Di-n-butylphthalate	0.62	J	0.058	MDL	1.2	PQL	ug/L	J	Z
NAPHTHALENE	0.059		0.012	MDL	0.058	PQL	ug/L	U	B
N-NITROSODIMETHYLAMINE	0.012	U	0.012	MDL	0.058	PQL	ug/L	UJ	L

Sample ID: EB21-SA5B-011311 *Collected:* 1/13/2011 11:55:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Diethylphthalate	0.15	J	0.051	MDL	1.0	PQL	ug/L	J	Z
Di-n-butylphthalate	0.57	J	0.051	MDL	1.0	PQL	ug/L	J	Z
NAPHTHALENE	0.029	J	0.010	MDL	0.051	PQL	ug/L	U	B
N-NITROSODIMETHYLAMINE	0.010	U	0.010	MDL	0.051	PQL	ug/L	UJ	L

Method Category: SVOA

Method: 8270C SIM **Matrix: SO**

Sample ID: SED-009-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	1.5	J	0.87	MDL	2.2	PQL	ug/Kg	J	Z
Butylbenzylphthalate	11	J	7.8	MDL	24	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	1.1	J	0.87	MDL	2.2	PQL	ug/Kg	J	Z
NAPHTHALENE	1.0	J	0.87	MDL	2.2	PQL	ug/Kg	J	Z
PHENANTHRENE	1.4	J	0.87	MDL	2.2	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8270C SIM **Matrix: SO**

Sample ID: SED-028-SIV-SD-0.0-0.5 *Collected:* 1/13/2011 11:15:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	1.4	J	0.94	MDL	2.4	PQL	ug/Kg	J	Z
CHRYSENE	0.93	J	0.47	MDL	2.4	PQL	ug/Kg	J	Z
FLUORANTHENE	1.3	J	0.94	MDL	2.4	PQL	ug/Kg	J	Z
NAPHTHALENE	1.2	J	0.94	MDL	2.4	PQL	ug/Kg	J	Z
PHENANTHRENE	1.2	J	0.94	MDL	2.4	PQL	ug/Kg	J	Z

Sample ID: SL-074-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 11:11:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Di-n-octylphthalate	8.9	J	7.0	MDL	21	PQL	ug/Kg	U	B

Sample ID: SL-074-SA5B-SB-7.0-8.0 *Collected:* 1/13/2011 11:16:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Di-n-octylphthalate	8.8	J	7.1	MDL	21	PQL	ug/Kg	U	B

Sample ID: SL-119-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 8:53:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Di-n-octylphthalate	8.3	J	6.8	MDL	20	PQL	ug/Kg	U	B

Sample ID: SL-120-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 11:25:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Di-n-octylphthalate	8.0	J	6.6	MDL	20	PQL	ug/Kg	U	B

Sample ID: SL-121-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 10:22:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Di-n-octylphthalate	8.0	J	6.5	MDL	19	PQL	ug/Kg	U	B

Sample ID: SL-121-SA5B-SB-9.0-10 *Collected:* 1/13/2011 10:27:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Di-n-octylphthalate	9.8	J	7.8	MDL	23	PQL	ug/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8270C SIM **Matrix: SO**

Sample ID: SL-301-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Di-n-octylphthalate	8.7	J	6.7	MDL	20	PQL	ug/Kg	U	B

Sample ID: SL-301-SA5B-SB-7.5-8.5 *Collected:* 1/13/2011 9:48:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Di-n-octylphthalate	8.6	J	7.0	MDL	21	PQL	ug/Kg	U	B

Method Category: VOA

Method: 8260B **Matrix: SO**

Sample ID: SL-073-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 12:31:00 *Analysis Type:* RES *Dilution:* 0.97

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.57	J	0.27	MDL	4.4	PQL	ug/Kg	U	B

Sample ID: SL-074-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 11:11:00 *Analysis Type:* RES *Dilution:* 0.83

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.63	J	0.23	MDL	3.9	PQL	ug/Kg	U	B
TOLUENE	0.08	J	0.08	MDL	3.9	PQL	ug/Kg	U	B

Sample ID: SL-119-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 8:53:00 *Analysis Type:* RES *Dilution:* 1.02

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.70	J	0.28	MDL	4.6	PQL	ug/Kg	U	B
TOLUENE	0.1	J	0.09	MDL	4.6	PQL	ug/Kg	U	B

Sample ID: SL-120-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 11:25:00 *Analysis Type:* RES *Dilution:* 0.98

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.91	J	0.26	MDL	4.3	PQL	ug/Kg	U	B
TOLUENE	0.1	J	0.09	MDL	4.3	PQL	ug/Kg	U	B

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: VOA

Method: 8260B **Matrix:** SO

Sample ID: SL-121-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 10:22:00 *Analysis Type:* RES *Dilution:* 0.9

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.77	J	0.23	MDL	3.9	PQL	ug/Kg	U	B
TOLUENE	0.12	J	0.08	MDL	3.9	PQL	ug/Kg	U	B

Sample ID: SL-122-SA5B-SB-2.0-3.0 *Collected:* 1/13/2011 1:39:00 *Analysis Type:* RES *Dilution:* 1.01

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	1.4	J	0.28	MDL	4.7	PQL	ug/Kg	U	B

Sample ID: SL-301-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 9:45:00 *Analysis Type:* RES *Dilution:* 0.88

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHYLENE CHLORIDE	0.45	J	0.24	MDL	3.9	PQL	ug/Kg	U	B

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: PrepDE060_v1 **eQAPP Name: CDM_SSFL_110509**

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

* denotes a non-reportable result

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control
Outlier Reports

DE060

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: DE060 **Laboratory: LL**
EDD Filename: DE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 7199 **Preparation Method: Gen Prep**
Matrix: AQ

Sample ID	*Type*	*Actual*	*Criteria*	*Units*	*Flag*
EB20-SA5B-011311 (RES)	Sampling To Analysis	142.00	24.00	HOURS	J (all detects)
EB21-SA5B-011311 (RES)		145.00	24.00	HOURS	R (all non-detects)

Method Blank Outlier Report

Lab Reporting Batch ID: DE060 Laboratory: LL

EDD Filename: DE060_v1 eQAPP Name: CDM_SSFL_110509

Method: 6010B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P01908AB221920	1/21/2011 7:20:00 PM	PHOSPHORUS	1.36 mg/Kg	SED-009-SIV-SD-0.0-0.5 SED-028-SIV-SD-0.0-0.5 SL-073-SA5B-SB-4.0-5.0 SL-074-SA5B-SB-4.0-5.0 SL-074-SA5B-SB-7.0-8.0 SL-119-SA5B-SB-3.0-4.0 SL-120-SA5B-SB-3.0-4.0 SL-121-SA5B-SB-4.0-5.0 SL-121-SA5B-SB-9.0-10 SL-122-SA5B-SB-2.0-3.0 SL-301-SA5B-SB-4.0-5.0 SL-301-SA5B-SB-7.5-8.5

Method: 8151A
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P19197AB240253A	1/22/2011 2:53:00 AM	MCPP	97 ug/Kg	SED-009-SIV-SD-0.0-0.5 SED-028-SIV-SD-0.0-0.5

Method: 8260B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VBLKB50B211951A	1/17/2011 7:51:00 PM	METHYLENE CHLORIDE TOLUENE	0.76 ug/Kg 0.32 ug/Kg	SL-073-SA5B-SB-4.0-5.0 SL-074-SA5B-SB-4.0-5.0 SL-119-SA5B-SB-3.0-4.0 SL-120-SA5B-SB-3.0-4.0 SL-121-SA5B-SB-4.0-5.0 SL-122-SA5B-SB-2.0-3.0 SL-301-SA5B-SB-4.0-5.0

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-073-SA5B-SB-4.0-5.0(RES)	METHYLENE CHLORIDE	0.57 ug/Kg	4.4U ug/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	METHYLENE CHLORIDE	0.63 ug/Kg	3.9U ug/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	TOLUENE	0.08 ug/Kg	3.9U ug/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	METHYLENE CHLORIDE	0.70 ug/Kg	4.6U ug/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	TOLUENE	0.1 ug/Kg	4.6U ug/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	METHYLENE CHLORIDE	0.91 ug/Kg	4.3U ug/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	TOLUENE	0.1 ug/Kg	4.3U ug/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	METHYLENE CHLORIDE	0.77 ug/Kg	3.9U ug/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	TOLUENE	0.12 ug/Kg	3.9U ug/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	METHYLENE CHLORIDE	1.4 ug/Kg	4.7U ug/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	METHYLENE CHLORIDE	0.45 ug/Kg	3.9U ug/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: DE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **8270C**
Matrix: **SO**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKLA01B262110	1/21/2011 9:10:00 PM	BIS(2-ETHYLHEXYL)PHTHALATE	17 ug/Kg	SED-009-SIV-SD-0.0-0.5 SED-028-SIV-SD-0.0-0.5 SL-073-SA5B-SB-4.0-5.0 SL-074-SA5B-SB-4.0-5.0 SL-074-SA5B-SB-7.0-8.0 SL-119-SA5B-SB-3.0-4.0 SL-120-SA5B-SB-3.0-4.0 SL-121-SA5B-SB-4.0-5.0 SL-121-SA5B-SB-9.0-10 SL-122-SA5B-SB-2.0-3.0 SL-301-SA5B-SB-4.0-5.0 SL-301-SA5B-SB-7.5-8.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
SED-009-SIV-SD-0.0-0.5(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	39 ug/Kg	440U ug/Kg
SED-028-SIV-SD-0.0-0.5(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	35 ug/Kg	470U ug/Kg
SL-073-SA5B-SB-4.0-5.0(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	38 ug/Kg	380U ug/Kg
SL-074-SA5B-SB-4.0-5.0(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	27 ug/Kg	390U ug/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	21 ug/Kg	390U ug/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	32 ug/Kg	380U ug/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	23 ug/Kg	370U ug/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	20 ug/Kg	360U ug/Kg
SL-121-SA5B-SB-9.0-10(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	22 ug/Kg	430U ug/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	30 ug/Kg	390U ug/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	21 ug/Kg	370U ug/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	48 ug/Kg	390U ug/Kg

Method: **8270C SIM**
Matrix: **AQ**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKWD01B262021	1/20/2011 8:21:00 PM	1-METHYLNAPHTHALENE	0.032 ug/L	EB20-SA5B-011311
		2-METHYLNAPHTHALENE	0.054 ug/L	EB21-SA5B-011311
		ACENAPHTHENE	0.035 ug/L	
		ANTHRACENE	0.014 ug/L	
		BENZO(A)ANTHRACENE	0.017 ug/L	
		BENZO(A)PYRENE	0.014 ug/L	
		BENZO(B)FLUORANTHENE	0.017 ug/L	
		BENZO(G,H,I)PERYLENE	0.016 ug/L	
		BENZO(K)FLUORANTHENE	0.020 ug/L	
		BIS(2-ETHYLHEXYL)PHTHALATE	0.094 ug/L	
		CHRYSENE	0.020 ug/L	
		DIBENZO(A,H)ANTHRACENE	0.015 ug/L	
		Di-n-butylphthalate	0.057 ug/L	
		FLUORANTHENE	0.022 ug/L	
		FLUORENE	0.038 ug/L	
		INDENO(1,2,3-CD)PYRENE	0.016 ug/L	
		NAPHTHALENE	0.35 ug/L	
		PHENANTHRENE	0.046 ug/L	
		PYRENE	0.017 ug/L	

Method Blank Outlier Report

Lab Reporting Batch ID: DE060 **Laboratory:** LL

EDD Filename: DE060_v1 **eQAPP Name:** CDM_SSFL_110509

Method: 8270C SIM
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB20-SA5B-011311(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	0.27 ug/L	1.2U ug/L
EB20-SA5B-011311(RES)	NAPHTHALENE	0.059 ug/L	0.059U ug/L
EB21-SA5B-011311(RES)	NAPHTHALENE	0.029 ug/L	0.051U ug/L

Method: 8270C SIM
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKLB02B260832	1/25/2011 8:32:00 AM	Di-n-octylphthalate	7.7 ug/Kg	SED-009-SIV-SD-0.0-0.5 SED-028-SIV-SD-0.0-0.5 SL-073-SA5B-SB-4.0-5.0 SL-074-SA5B-SB-4.0-5.0 SL-074-SA5B-SB-7.0-8.0 SL-119-SA5B-SB-3.0-4.0 SL-120-SA5B-SB-3.0-4.0 SL-121-SA5B-SB-4.0-5.0 SL-121-SA5B-SB-9.0-10 SL-122-SA5B-SB-2.0-3.0 SL-301-SA5B-SB-4.0-5.0 SL-301-SA5B-SB-7.5-8.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-074-SA5B-SB-4.0-5.0(RES)	Di-n-octylphthalate	8.9 ug/Kg	21U ug/Kg
SL-074-SA5B-SB-7.0-8.0(RES)	Di-n-octylphthalate	8.8 ug/Kg	21U ug/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	Di-n-octylphthalate	8.3 ug/Kg	20U ug/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	Di-n-octylphthalate	8.0 ug/Kg	20U ug/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	Di-n-octylphthalate	8.0 ug/Kg	19U ug/Kg
SL-121-SA5B-SB-9.0-10(RES)	Di-n-octylphthalate	9.8 ug/Kg	23U ug/Kg
SL-301-SA5B-SB-4.0-5.0(RES)	Di-n-octylphthalate	8.7 ug/Kg	20U ug/Kg
SL-301-SA5B-SB-7.5-8.5(RES)	Di-n-octylphthalate	8.6 ug/Kg	21U ug/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE060 | Laboratory: LL

EDD Filename: DE060_v1 | eQAPP Name: CDM_SSFL_110509

Method: 8270C
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-073-SA5B-SB-4.0-5.0MS SL-073-SA5B-SB-4.0-5.0MSD (SL-073-SA5B-SB-4.0-5.0)	BENZIDINE	27	33	35.00-141.00	-	BENZIDINE	J (all detects) UJ (all non-detects)

Method: 300.0
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SED-028-SIV-SD-0.0-0.5MS (SED-028-SIV-SD-0.0-0.5 SL-122-SA5B-SB-2.0-3.0)	FLUORIDE	79	-	80.00-120.00	-	FLUORIDE	J(all detects) UJ(all non-detects)

Method: 8151A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SED-009-SIV-SD-0.0-0.5MSD (SED-009-SIV-SD-0.0-0.5)	2,4,5-T 2,4-D DICAMBA	- - -	- - 159	25.00-132.00 28.00-161.00 33.00-120.00	47 (35.00) 45 (35.00) -	2,4,5-T 2,4-D DICAMBA	J(all detects)
SED-009-SIV-SD-0.0-0.5MS SED-009-SIV-SD-0.0-0.5MSD (SED-009-SIV-SD-0.0-0.5)	2,4-DB MCPP	- 0	0 0	20.00-170.00 16.00-174.00	200 (50.00) -	2,4-DB MCPP	J(all detects) R(all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: DE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 300.0
Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SED-028-SIV-SD-0.0-0.5DUP (SED-028-SIV-SD-0.0-0.5 SL -122-SA5B-SB-2.0-3.0)	FLUORIDE	31	20.00	No Qual OK by difference

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: DE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 7470A
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P01713CY220905 (EB20-SA5B-011311 EB21-SA5B-011311)	MERCURY	-	89	90.00-115.00	-	MERCURY	J (all detects) UJ (all non-detects)

Method: 8270C SIM
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P7WDLCSQ262054 P7WDLCSY262127 (EB20-SA5B-011311 EB21-SA5B-011311)	BENZO(A)PYRENE	117	117	64.00-115.00	-	BENZO(A)PYRENE	J(all detects)
	BENZO(K)FLUORANTHENE	126	124	72.00-122.00	-	BENZO(K)FLUORANTHENE	
	INDENO(1,2,3-CD)PYRENE	-	126	69.00-124.00	-	INDENO(1,2,3-CD)PYRENE	
P7WDLCSQ262054 P7WDLCSY262127 (EB20-SA5B-011311 EB21-SA5B-011311)	N-NITROSODIMETHYLAMINE	63	63	70.00-130.00	-	N-NITROSODIMETHYLAMINE	J(all detects) UJ(all non-detects)

Method: 8270C
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P8WALCSY260812 (EB20-SA5B-011311 EB21-SA5B-011311)	BENZOIC ACID	-	-	10.00-69.00	52 (30.00)	BENZOIC ACID	J(all detects) UJ(all non-detects)

Method: 8082
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P10186AQ242213A (EB20-SA5B-011311 EB21-SA5B-011311)	AROCLOR 1260	136	-	56.00-135.00	-	AROCLOR 1242, 1248, 1254, 1260	J(all detects)
P10186AQ242308A P10186AY242250A (EB20-SA5B-011311 EB21-SA5B-011311)	Aroclor 5442	44	46	75.00-125.00	-	Aroclor 5432, 5442, 5460	J(all detects) UJ(all non-detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: DE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 6020
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P01926AQ221548A (SED-009-SIV-SD-0.0-0.5 SED -028-SIV-SD-0.0-0.5 SL -073-SA5B-SB-4.0-5.0 SL -074-SA5B-SB-4.0-5.0 SL -074-SA5B-SB-7.0-8.0 SL -119-SA5B-SB-3.0-4.0 SL -120-SA5B-SB-3.0-4.0 SL -121-SA5B-SB-4.0-5.0 SL -121-SA5B-SB-9.0-10 SL -122-SA5B-SB-2.0-3.0 SL -301-SA5B-SB-4.0-5.0 SL -301-SA5B-SB-7.5-8.5)	ANTIMONY	134	-	80.00-120.00	-	ANTIMONY	No Qual SRM within QC limits

Method: 8082
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P10170AQ241623A P10170AY241604A (SED-009-SIV-SD-0.0-0.5 SED -028-SIV-SD-0.0-0.5 SL -073-SA5B-SB-4.0-5.0 SL -074-SA5B-SB-4.0-5.0 SL -074-SA5B-SB-7.0-8.0 SL -119-SA5B-SB-3.0-4.0 SL -120-SA5B-SB-3.0-4.0 SL -121-SA5B-SB-4.0-5.0 SL -121-SA5B-SB-9.0-10 SL -122-SA5B-SB-2.0-3.0 SL -301-SA5B-SB-4.0-5.0 SL -301-SA5B-SB-7.5-8.5)	Aroclor 5442	67	65	75.00-125.00	-	Aroclor 5432, 5442, 5460	J(all detects) UJ(all non-detects)

Method: 8151A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P10197AQ240320A (SED-009-SIV-SD-0.0-0.5 SED -028-SIV-SD-0.0-0.5)	DINOSEB	5	-	10.00-136.00	-	DINOSEB	J(all detects) R(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: DE060 Laboratory: LL

EDD Filename: DE060_v1 eQAPP Name: CDM_SSFL_110509

Method: 8081A
Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SED-009-SIV-SD-0.0-0.5	TETRACHLORO-M-XYLENE	36	50.00-130.00	All Target Analytes	J(all detects) UJ(all non-detects)

Method: 8082
Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SED-009-SIV-SD-0.0-0.5	DECACHLOROBIPHENYL	146	45.00-120.00	All Target Analytes	J(all detects)
SED-028-SIV-SD-0.0-0.5	DECACHLOROBIPHENYL	152	45.00-120.00	All Target Analytes	J(all detects)
SL-074-SA5B-SB-7.0-8.0	DECACHLOROBIPHENYL	138	45.00-120.00	All Target Analytes	J(all detects)
SL-119-SA5B-SB-3.0-4.0	DECACHLOROBIPHENYL	135	45.00-120.00	All Target Analytes	J(all detects)
SL-120-SA5B-SB-3.0-4.0	DECACHLOROBIPHENYL	131	45.00-120.00	All Target Analytes	J(all detects)
SL-121-SA5B-SB-4.0-5.0	DECACHLOROBIPHENYL	128	45.00-120.00	All Target Analytes	J(all detects)
SL-122-SA5B-SB-2.0-3.0	DECACHLOROBIPHENYL	140	45.00-120.00	All Target Analytes	J(all detects)

Method: 8270C SIM
Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB21-SA5B-011311	Nitrobenzene-d5	131	40.00-130.00	No Affected Compounds	No Qual, One Out

Reporting Limit Outliers

Lab Reporting Batch ID: DE060 **Laboratory:** LL

EDD Filename: DE060_v1 **eQAPP Name:** CDM_SSFL_110509

Method: 8270C SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB20-SA5B-011311	BIS(2-ETHYLHEXYL)PHTHALATE	J	0.27	1.2	PQL	ug/L	J (all detects)
	Diethylphthalate	J	0.15	1.2	PQL	ug/L	
	Di-n-butylphthalate	J	0.62	1.2	PQL	ug/L	
EB21-SA5B-011311	Diethylphthalate	J	0.15	1.0	PQL	ug/L	J (all detects)
	Di-n-butylphthalate	J	0.57	1.0	PQL	ug/L	
	NAPHTHALENE	J	0.029	0.051	PQL	ug/L	

Method: 6010B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-009-SIV-SD-0.0-0.5	SODIUM	J	64.0	131	PQL	mg/Kg	J (all detects)
	TIN	J	2.74	13.1	PQL	mg/Kg	
SED-028-SIV-SD-0.0-0.5	SODIUM	J	65.7	138	PQL	mg/Kg	J (all detects)
	TIN	J	2.53	13.8	PQL	mg/Kg	
	Zirconium	J	2.10	6.88	PQL	mg/Kg	
SL-073-SA5B-SB-4.0-5.0	TIN	J	3.41	11.0	PQL	mg/Kg	J (all detects)
	Zirconium	J	1.25	5.49	PQL	mg/Kg	
SL-074-SA5B-SB-4.0-5.0	TIN	J	3.00	11.2	PQL	mg/Kg	J (all detects)
	Zirconium	J	1.66	5.58	PQL	mg/Kg	
SL-074-SA5B-SB-7.0-8.0	TIN	J	3.21	11.3	PQL	mg/Kg	J (all detects)
	Zirconium	J	2.53	5.67	PQL	mg/Kg	
SL-119-SA5B-SB-3.0-4.0	TIN	J	2.82	11.0	PQL	mg/Kg	J (all detects)
	Zirconium	J	1.43	5.52	PQL	mg/Kg	
SL-120-SA5B-SB-3.0-4.0	SODIUM	J	106	109	PQL	mg/Kg	J (all detects)
	TIN	J	2.59	10.9	PQL	mg/Kg	
	Zirconium	J	1.69	5.43	PQL	mg/Kg	
SL-121-SA5B-SB-4.0-5.0	SODIUM	J	68.0	107	PQL	mg/Kg	J (all detects)
	TIN	J	2.15	10.7	PQL	mg/Kg	
	Zirconium	J	1.92	5.35	PQL	mg/Kg	
SL-121-SA5B-SB-9.0-10	TIN	J	3.08	12.6	PQL	mg/Kg	J (all detects)
	Zirconium	J	1.83	6.30	PQL	mg/Kg	
SL-122-SA5B-SB-2.0-3.0	TIN	J	3.33	11.2	PQL	mg/Kg	J (all detects)
	Zirconium	J	2.49	5.62	PQL	mg/Kg	
SL-301-SA5B-SB-4.0-5.0	TIN	J	3.01	11.1	PQL	mg/Kg	J (all detects)
	Zirconium	J	2.28	5.56	PQL	mg/Kg	
SL-301-SA5B-SB-7.5-8.5	TIN	J	2.48	11.4	PQL	mg/Kg	J (all detects)
	Zirconium	J	1.79	5.69	PQL	mg/Kg	

Method: 6020

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-009-SIV-SD-0.0-0.5	ANTIMONY	J	0.118	0.254	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.179	0.508	PQL	mg/Kg	
	SILVER	J	0.0798	0.127	PQL	mg/Kg	
SED-028-SIV-SD-0.0-0.5	SELENIUM	J	0.124	0.555	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0370	0.139	PQL	mg/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: DE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 6020

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-073-SA5B-SB-4.0-5.0	SELENIUM	J	0.149	0.440	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0698	0.110	PQL	mg/Kg	
SL-074-SA5B-SB-4.0-5.0	ANTIMONY	J	0.195	0.223	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.121	0.446	PQL	mg/Kg	
	SILVER	J	0.0588	0.112	PQL	mg/Kg	
SL-074-SA5B-SB-7.0-8.0	SELENIUM	J	0.135	0.454	PQL	mg/Kg	J (all detects)
SL-119-SA5B-SB-3.0-4.0	ANTIMONY	J	0.108	0.225	PQL	mg/Kg	J (all detects)
	CADMIUM	J	0.0458	0.113	PQL	mg/Kg	
	SELENIUM	J	0.0987	0.450	PQL	mg/Kg	
SL-120-SA5B-SB-3.0-4.0	ANTIMONY	J	0.141	0.211	PQL	mg/Kg	J (all detects)
	CADMIUM	J	0.0802	0.106	PQL	mg/Kg	
	SELENIUM	J	0.121	0.422	PQL	mg/Kg	
	SILVER	J	0.0158	0.106	PQL	mg/Kg	
SL-121-SA5B-SB-4.0-5.0	ANTIMONY	J	0.0839	0.214	PQL	mg/Kg	J (all detects)
	CADMIUM	J	0.0657	0.107	PQL	mg/Kg	
	SELENIUM	J	0.117	0.428	PQL	mg/Kg	
	SILVER	J	0.0157	0.107	PQL	mg/Kg	
SL-121-SA5B-SB-9.0-10	ANTIMONY	J	0.145	0.260	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.0697	0.519	PQL	mg/Kg	
SL-122-SA5B-SB-2.0-3.0	ANTIMONY	J	0.185	0.223	PQL	mg/Kg	J (all detects)
	CADMIUM	J	0.106	0.111	PQL	mg/Kg	
	SELENIUM	J	0.381	0.446	PQL	mg/Kg	
	SILVER	J	0.0181	0.111	PQL	mg/Kg	
SL-301-SA5B-SB-4.0-5.0	ANTIMONY	J	0.152	0.216	PQL	mg/Kg	J (all detects)
	SELENIUM	J	0.0836	0.432	PQL	mg/Kg	
	SILVER	J	0.0540	0.108	PQL	mg/Kg	
SL-301-SA5B-SB-7.5-8.5	ANTIMONY	J	0.0737	0.227	PQL	mg/Kg	J (all detects)
	CADMIUM	J	0.0663	0.114	PQL	mg/Kg	
	SILVER	J	0.106	0.114	PQL	mg/Kg	

Method: 7199

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-028-SIV-SD-0.0-0.5	HEXAVALENT CHROMIUM	J	0.29	1.4	PQL	mg/Kg	J (all detects)
SL-073-SA5B-SB-4.0-5.0	HEXAVALENT CHROMIUM	J	0.57	1.1	PQL	mg/Kg	J (all detects)
SL-074-SA5B-SB-4.0-5.0	HEXAVALENT CHROMIUM	J	0.43	1.2	PQL	mg/Kg	J (all detects)
SL-074-SA5B-SB-7.0-8.0	HEXAVALENT CHROMIUM	J	0.54	1.2	PQL	mg/Kg	J (all detects)
SL-120-SA5B-SB-3.0-4.0	HEXAVALENT CHROMIUM	J	0.86	1.1	PQL	mg/Kg	J (all detects)
SL-121-SA5B-SB-9.0-10	HEXAVALENT CHROMIUM	J	0.49	1.3	PQL	mg/Kg	J (all detects)
SL-122-SA5B-SB-2.0-3.0	HEXAVALENT CHROMIUM	J	0.42	1.2	PQL	mg/Kg	J (all detects)
SL-301-SA5B-SB-4.0-5.0	HEXAVALENT CHROMIUM	J	0.25	1.1	PQL	mg/Kg	J (all detects)
SL-301-SA5B-SB-7.5-8.5	HEXAVALENT CHROMIUM	J	0.60	1.2	PQL	mg/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: DE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 7471A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-009-SIV-SD-0.0-0.5	MERCURY	J	0.0220	0.127	PQL	mg/Kg	J (all detects)
SED-028-SIV-SD-0.0-0.5	MERCURY	J	0.0904	0.140	PQL	mg/Kg	J (all detects)
SL-073-SA5B-SB-4.0-5.0	MERCURY	J	0.0054	0.107	PQL	mg/Kg	J (all detects)
SL-074-SA5B-SB-7.0-8.0	MERCURY	J	0.0218	0.112	PQL	mg/Kg	J (all detects)
SL-120-SA5B-SB-3.0-4.0	MERCURY	J	0.0050	0.106	PQL	mg/Kg	J (all detects)
SL-121-SA5B-SB-4.0-5.0	MERCURY	J	0.0077	0.105	PQL	mg/Kg	J (all detects)
SL-121-SA5B-SB-9.0-10	MERCURY	J	0.0477	0.126	PQL	mg/Kg	J (all detects)
SL-122-SA5B-SB-2.0-3.0	MERCURY	J	0.0056	0.112	PQL	mg/Kg	J (all detects)
SL-301-SA5B-SB-7.5-8.5	MERCURY	J	0.0056	0.115	PQL	mg/Kg	J (all detects)

Method: 8082

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-009-SIV-SD-0.0-0.5	Aroclor 5460	J	3.0	4.3	PQL	ug/Kg	J (all detects)
SED-028-SIV-SD-0.0-0.5	AROCLOR 1254	J	1.5	2.4	PQL	ug/Kg	J (all detects)

Method: 8260B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-073-SA5B-SB-4.0-5.0	METHYLENE CHLORIDE	J	0.57	4.4	PQL	ug/Kg	J (all detects)
SL-074-SA5B-SB-4.0-5.0	METHYLENE CHLORIDE TOLUENE	J J	0.63 0.08	3.9 3.9	PQL PQL	ug/Kg ug/Kg	J (all detects)
SL-119-SA5B-SB-3.0-4.0	METHYLENE CHLORIDE TOLUENE	J J	0.70 0.1	4.6 4.6	PQL PQL	ug/Kg ug/Kg	J (all detects)
SL-120-SA5B-SB-3.0-4.0	METHYLENE CHLORIDE TOLUENE	J J	0.91 0.1	4.3 4.3	PQL PQL	ug/Kg ug/Kg	J (all detects)
SL-121-SA5B-SB-4.0-5.0	METHYLENE CHLORIDE TOLUENE	J J	0.77 0.12	3.9 3.9	PQL PQL	ug/Kg ug/Kg	J (all detects)
SL-122-SA5B-SB-2.0-3.0	METHYLENE CHLORIDE	J	1.4	4.7	PQL	ug/Kg	J (all detects)
SL-301-SA5B-SB-4.0-5.0	METHYLENE CHLORIDE	J	0.45	3.9	PQL	ug/Kg	J (all detects)

Method: 8270C

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-009-SIV-SD-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	39	440	PQL	ug/Kg	J (all detects)
SED-028-SIV-SD-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	35	470	PQL	ug/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE060 **Laboratory: LL**

EDD Filename: DE060_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 8270C

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-073-SA5B-SB-4.0-5.0	BIS(2-ETHYLHEXYL)PHTHALATE	J	38	380	PQL	ug/Kg	J (all detects)
	Di-n-octylphthalate	J	26	190	PQL	ug/Kg	
SL-074-SA5B-SB-4.0-5.0	BIS(2-ETHYLHEXYL)PHTHALATE	J	27	390	PQL	ug/Kg	J (all detects)
SL-074-SA5B-SB-7.0-8.0	BIS(2-ETHYLHEXYL)PHTHALATE	J	21	390	PQL	ug/Kg	J (all detects)
SL-119-SA5B-SB-3.0-4.0	BIS(2-ETHYLHEXYL)PHTHALATE	J	32	380	PQL	ug/Kg	J (all detects)
SL-120-SA5B-SB-3.0-4.0	BIS(2-ETHYLHEXYL)PHTHALATE	J	23	370	PQL	ug/Kg	J (all detects)
SL-121-SA5B-SB-4.0-5.0	BIS(2-ETHYLHEXYL)PHTHALATE	J	20	360	PQL	ug/Kg	J (all detects)
SL-121-SA5B-SB-9.0-10	BIS(2-ETHYLHEXYL)PHTHALATE	J	22	430	PQL	ug/Kg	J (all detects)
SL-122-SA5B-SB-2.0-3.0	BIS(2-ETHYLHEXYL)PHTHALATE	J	30	390	PQL	ug/Kg	J (all detects)
SL-301-SA5B-SB-4.0-5.0	BIS(2-ETHYLHEXYL)PHTHALATE	J	21	370	PQL	ug/Kg	J (all detects)
SL-301-SA5B-SB-7.5-8.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	48	390	PQL	ug/Kg	J (all detects)

Method: 8270C SIM

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-009-SIV-SD-0.0-0.5	BENZO(G,H,I)PERYLENE	J	1.5	2.2	PQL	ug/Kg	J (all detects)
	Butylbenzylphthalate	J	11	24	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	1.1	2.2	PQL	ug/Kg	
	NAPHTHALENE	J	1.0	2.2	PQL	ug/Kg	
	PHENANTHRENE	J	1.4	2.2	PQL	ug/Kg	
SED-028-SIV-SD-0.0-0.5	BENZO(A)PYRENE	J	1.4	2.4	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	0.93	2.4	PQL	ug/Kg	
	FLUORANTHENE	J	1.3	2.4	PQL	ug/Kg	
	NAPHTHALENE	J	1.2	2.4	PQL	ug/Kg	
	PHENANTHRENE	J	1.2	2.4	PQL	ug/Kg	
SL-074-SA5B-SB-4.0-5.0	Di-n-octylphthalate	J	8.9	21	PQL	ug/Kg	J (all detects)
SL-074-SA5B-SB-7.0-8.0	Di-n-octylphthalate	J	8.8	21	PQL	ug/Kg	J (all detects)
SL-119-SA5B-SB-3.0-4.0	Di-n-octylphthalate	J	8.3	20	PQL	ug/Kg	J (all detects)
SL-120-SA5B-SB-3.0-4.0	Di-n-octylphthalate	J	8.0	20	PQL	ug/Kg	J (all detects)
SL-121-SA5B-SB-4.0-5.0	Di-n-octylphthalate	J	8.0	19	PQL	ug/Kg	J (all detects)
SL-121-SA5B-SB-9.0-10	Di-n-octylphthalate	J	9.8	23	PQL	ug/Kg	J (all detects)
SL-301-SA5B-SB-4.0-5.0	Di-n-octylphthalate	J	8.7	20	PQL	ug/Kg	J (all detects)
SL-301-SA5B-SB-7.5-8.5	Di-n-octylphthalate	J	8.6	21	PQL	ug/Kg	J (all detects)

LDC #: 25550H4 **VALIDATION COMPLETENESS WORKSHEET** Date: 6/6/11
SDG #: DE060 ADR Page: 1 of 1
Laboratory: Lancaster Laboratories Reviewer: CR
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6010B/6020A/7000)

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

	Validation Area		Comments
I.	Technical holding times	N	Sampling dates:
II.	ICP/MS Tune	~~A~~	
III.	Calibration	—	
IV.	Blanks	SW	
V.	ICP Interference Check Sample (ICS) Analysis	N	
VI.	Matrix Spike Analysis	N	Client specified
VII.	Duplicate Sample Analysis	N	↓
VIII.	Laboratory Control Samples (LCS)	N	LCS/D
IX.	Internal Standard (ICP-MS)	N	
X.	Furnace Atomic Absorption QC	N	
XI.	ICP Serial Dilution	N	Not performed
XII.	Sample Result Verification	N	
XIII.	Overall Assessment of Data	N	
XIV.	Field Duplicates	—	
XV	Field Blanks	ND	EB=13, 14

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

Validated Samples:

1	SL-073-SA5B-SB-4.0-5.0	11	SED-028-SIV-SD-0.0-0.5	21		31	
2	SL-301-SA5B-SB-4.0-5.0	12	SL-122-SA5B-SB-2.0-3.0	22		32	
3	SL-301-SA5B-SB-7.5-8.5	13	EB20-SA5B-011311	23		33	
4	SL-074-SA5B-SB-4.0-5.0	14	EB21-SA5B-011311	24		34	
5	SL-074-SA5B-SB-7.0-8.0	15		25		35	
6	SL-121-SA5B-SB-4.0-5.0	16		26		36	
7	SL-121-SA5B-SB-9.0-10.0	17		27		37	
8	SL-120-SA5B-SB-30-4.0	18		28		38	
9	SL-119-SA5B-SB-3.0-4.0	19		29		39	
10	SED-009-SIV-SD-0.0-0.5	20		30		40	

Notes:

LDC #: 25550 4

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: CR
2nd reviewer: V

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-14		Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr

LDC #: 25550H4

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: Trace metals (EPA SW 864 Method 6010B/6020/7000) Soil preparation factor applied: 100x x ICPMS (2dil)
Sample Concentration units, unless otherwise noted: ug/L Associated Samples: All Reason: B

Analyte	Maximum PB[a] (mg/Kg)	Maximum PB[a] (ug/L)	Maximum ICB/CCB[a] (ug/L)	Action Limit	1	2	3	4	5	6	7	8	9	10	11	12
Sb			0.33	0.33	0.31	0.15	0.074	0.20		0.084	0.15	0.14	0.11	0.12		0.18
Zr			5.1	2.55	1.3	2.3	1.8	1.7	2.5	1.9	1.8	1.7	1.4		2.1	2.5

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

SAMPLE DELIVERY GROUP

DE159

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	TB-052311	6296041	TB	5030B	8015M	III
23-May-2011	TB-052311	6296041	TB	5030B	8260B	III
23-May-2011	TB-052311	6296041	TB	5030B	8260B SIM	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	3050B	6010B	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	3050B	6020	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	3060A	7199	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	3550B	8081A	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	3550B	8082	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	3550B	8151A	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	3550B	8270C	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	3550B	8270C SIM	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	Gen Prep	9045M	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	METHOD	300.0	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	METHOD	314.0	III
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296053	N	METHOD	7471A	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	3050B	6010B	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	3050B	6020	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	3060A	7199	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	3550B	8081A	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	3550B	8082	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	3550B	8151A	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	3550B	8270C	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	3550B	8270C SIM	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	Gen Prep	9045M	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	METHOD	300.0	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	METHOD	314.0	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296052	N	METHOD	7471A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	3050B	6010B	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	3050B	6020	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	3060A	7199	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	3546	1625C	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	3550B	8015B	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	3550B	8015M	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	3550B	8081A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	3550B	8082	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	3550B	8151A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	3550B	8270C	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	3550B	8270C SIM	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	8330	8330A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	Gen Prep	9045M	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	METHOD	300.0	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	METHOD	314.0	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	METHOD	7471A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	METHOD	8015B	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	METHOD	8015M	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	METHOD	8315A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296047	N	METHOD	9012B	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296048	MS	3060A	7199	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296048	MS	METHOD	300.0	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296048	MS	METHOD	314.0	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296048	MS	METHOD	9012B	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	3050B	6010B	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	3050B	6020	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	3546	1625C	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	3550B	8015B	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	3550B	8015M	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	3550B	8081A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	3550B	8082	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	3550B	8151A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	3550B	8270C	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	3550B	8270C SIM	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	8330	8330A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	METHOD	7471A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	METHOD	8015B	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	METHOD	8015M	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296049	MS	METHOD	8315A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5DU	6296050	DUP	3050B	6010B	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5DU	6296050	DUP	3050B	6020	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5DU	6296050	DUP	3060A	7199	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5DU	6296050	DUP	Gen Prep	9045M	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5DU	6296050	DUP	METHOD	300.0	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5DU	6296050	DUP	METHOD	314.0	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5DU	6296050	DUP	METHOD	7471A	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5DU	6296050	DUP	METHOD	9012B	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	3050B	6010B	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	3050B	6020	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	3060A	7199	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	3550B	8082	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	3550B	8270C	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	3550B	8270C SIM	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	5035	8260B	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	5035	8260B SIM	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	8330	8330A	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	Gen Prep	9045M	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	METHOD	300.0	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	METHOD	314.0	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296035	N	METHOD	7471A	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0DU	P296035D271535A	DUP	METHOD	314.0	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0DU	P296035D271902A	DUP	METHOD	300.0	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0DU	P296035D292220A	DUP	Gen Prep	9045M	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0MS	P296035R271557A	MS	METHOD	314.0	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0MS	P296035R271916A	MS	METHOD	300.0	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	3050B	6010B	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	3050B	6020	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	3060A	7199	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	3546	1625C	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	3550B	8015B	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	3550B	8015M	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	3550B	8081A	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	3550B	8082	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	3550B	8151A	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	3550B	8270C	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	3550B	8270C SIM	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	8330	8330A	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	Gen Prep	9045M	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	METHOD	300.0	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	METHOD	314.0	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	METHOD	6850	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	METHOD	7471A	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	METHOD	8015B	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	METHOD	8015M	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	METHOD	8315A	III
23-May-2011	DUP05-SA5DN-QC-052311	6296054	FD	METHOD	9012B	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	3050B	6010B	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	3050B	6020	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	3060A	7199	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	3546	1625C	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	3550B	8015B	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	3550B	8015M	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	3550B	8081A	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	3550B	8082	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	3550B	8151A	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	3550B	8270C	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	3550B	8270C SIM	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	8330	8330A	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	Gen Prep	9045M	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	METHOD	300.0	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	METHOD	314.0	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	METHOD	7471A	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	METHOD	8015B	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	METHOD	8015M	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	METHOD	8315A	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296051	N	METHOD	9012B	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5DU	P296051D271947B	DUP	METHOD	9012B	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5MS	P296051R271948B	MS	METHOD	9012B	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	3050B	6010B	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	3050B	6020	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	3060A	7199	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	3546	1625C	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	3550B	8015B	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	3550B	8015M	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	3550B	8082	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	3550B	8270C	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	3550B	8270C SIM	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	5035	8015M	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	5035	8260B	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	5035	8260B SIM	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	8330	8330A	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	Gen Prep	9045M	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	METHOD	300.0	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	METHOD	314.0	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	METHOD	6850	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	METHOD	7471A	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	METHOD	8015B	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	METHOD	8015M	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	METHOD	8315A	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296036	N	METHOD	9012B	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0MS	P296036R242146A	MS	METHOD	6850	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	3050B	6010B	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	3050B	6020	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	3060A	7199	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	3546	1625C	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	3550B	8015B	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	3550B	8015M	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	3550B	8081A	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	3550B	8082	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	3550B	8151A	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	3550B	8270C	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	3550B	8270C SIM	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	8330	8330A	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	Gen Prep	9045M	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	METHOD	300.0	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	METHOD	314.0	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	METHOD	7471A	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	METHOD	8015B	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	METHOD	8015M	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	METHOD	8315A	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296045	N	METHOD	9012B	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	3050B	6010B	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	3050B	6020	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	3060A	7199	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	3546	1625C	III

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Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	3550B	8015B	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	3550B	8015M	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	3550B	8081A	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	3550B	8082	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	3550B	8151A	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	3550B	8270C	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	3550B	8270C SIM	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	8330	8330A	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	Gen Prep	9045M	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	METHOD	300.0	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	METHOD	314.0	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	METHOD	7471A	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	METHOD	8015B	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	METHOD	8015M	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	METHOD	8315A	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296046	N	METHOD	9012B	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	3050B	6010B	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	3050B	6020	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	3060A	7199	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	3546	1625C	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	3550B	8015B	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	3550B	8015M	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	3550B	8081A	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	3550B	8082	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	3550B	8151A	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	3550B	8270C	III

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IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	3550B	8270C SIM	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	8330	8330A	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	Gen Prep	9045M	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	METHOD	300.0	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	METHOD	314.0	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	METHOD	7471A	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	METHOD	8015B	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	METHOD	8015M	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	METHOD	8315A	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296043	N	METHOD	9012B	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	3050B	6010B	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	3050B	6020	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	3060A	7199	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	3546	1625C	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	3550B	8015B	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	3550B	8015M	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	3550B	8081A	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	3550B	8082	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	3550B	8151A	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	3550B	8270C	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	3550B	8270C SIM	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	8330	8330A	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	Gen Prep	9045M	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	METHOD	300.0	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	METHOD	314.0	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	METHOD	6850	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	METHOD	7471A	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	METHOD	8015B	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	METHOD	8015M	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	METHOD	8315A	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296042	N	METHOD	9012B	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	3050B	6010B	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	3050B	6020	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	3060A	7199	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	3550B	8081A	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	3550B	8082	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	3550B	8151A	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	3550B	8270C	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	3550B	8270C SIM	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	Gen Prep	9045M	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	METHOD	300.0	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	METHOD	314.0	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296044	N	METHOD	7471A	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	3050B	6010B	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	3050B	6020	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	3060A	7199	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	3550B	8082	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	3550B	8270C	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	3550B	8270C SIM	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	5035	8260B	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	5035	8260B SIM	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	8330	8330A	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	Gen Prep	9045M	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	METHOD	300.0	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	METHOD	314.0	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296037	N	METHOD	7471A	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296038	N	3050B	6010B	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296038	N	3050B	6020	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296038	N	3060A	7199	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296038	N	3550B	8082	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296038	N	3550B	8270C	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296038	N	3550B	8270C SIM	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296038	N	8330	8330A	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296038	N	Gen Prep	9045M	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296038	N	METHOD	300.0	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296038	N	METHOD	314.0	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296038	N	METHOD	7471A	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	3005A	6010B	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	3020A	6020	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	3510C	8015B	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	3510C	8015M	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	3510C	8081A	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	3510C	8082	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	3510C	8270C	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	3510C	8270C SIM	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	3520C	1625C	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	8330	8330A	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	Gen Prep	300.0	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	Gen Prep	314.0	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	Gen Prep	7199	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	Gen Prep	9040B	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	METHOD	7470A	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	METHOD	8151A	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	METHOD	8315A	III
23-May-2011	EB05-SA5DN-SS-052311	6296055	EB	METHOD	9012B	III
23-May-2011	SED-035-SIV-SD	6296056	N	3050B	6010B	III
23-May-2011	SED-035-SIV-SD	6296056	N	3050B	6020	III
23-May-2011	SED-035-SIV-SD	6296056	N	3060A	7199	III
23-May-2011	SED-035-SIV-SD	6296056	N	3550B	8081A	III
23-May-2011	SED-035-SIV-SD	6296056	N	3550B	8082	III
23-May-2011	SED-035-SIV-SD	6296056	N	3550B	8151A	III
23-May-2011	SED-035-SIV-SD	6296056	N	3550B	8270C	III
23-May-2011	SED-035-SIV-SD	6296056	N	3550B	8270C SIM	III
23-May-2011	SED-035-SIV-SD	6296056	N	Gen Prep	9045M	III
23-May-2011	SED-035-SIV-SD	6296056	N	METHOD	300.0	III
23-May-2011	SED-035-SIV-SD	6296056	N	METHOD	314.0	III
23-May-2011	SED-035-SIV-SD	6296056	N	METHOD	7471A	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	3050B	6010B	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	3050B	6020	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	3060A	7199	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	3550B	8082	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	3550B	8270C	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	3550B	8270C SIM	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	5035	8260B	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	5035	8260B SIM	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	Gen Prep	9045M	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	METHOD	300.0	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	METHOD	314.0	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	METHOD	6850	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296039	N	METHOD	7471A	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296040	N	3050B	6010B	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296040	N	3050B	6020	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296040	N	3060A	7199	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296040	N	3550B	8082	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296040	N	3550B	8270C	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296040	N	3550B	8270C SIM	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296040	N	Gen Prep	9045M	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296040	N	METHOD	300.0	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296040	N	METHOD	314.0	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296040	N	METHOD	6850	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296040	N	METHOD	7471A	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 300.0 **Matrix:** SO

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	3.7		0.92	MDL	1.2	PQL	mg/Kg	J	Q
Nitrate-NO3	1.2	J	0.92	MDL	1.7	PQL	mg/Kg	J	Z

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.0		0.93	MDL	1.2	PQL	mg/Kg	J	Q

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Nitrate-NO3	1.3	J	0.90	MDL	1.7	PQL	mg/Kg	J	Z

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	5.6		0.93	MDL	1.2	PQL	mg/Kg	J	Q
Nitrate-NO3	1.5	J	0.93	MDL	1.7	PQL	mg/Kg	J	Z

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	4.7		0.92	MDL	1.1	PQL	mg/Kg	J	Q
Nitrate-NO3	1.6	J	0.92	MDL	1.7	PQL	mg/Kg	J	Z

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	3.4		0.91	MDL	1.1	PQL	mg/Kg	J	Q
Nitrate-NO3	1.1	J	0.91	MDL	1.7	PQL	mg/Kg	J	Z

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	2.9		0.92	MDL	1.2	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: GENCHEM

Method: 300.0 **Matrix:** SO

Sample ID: SL-053-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 8:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORIDE	3.7		0.90	MDL	1.1	PQL	mg/Kg	J	Q

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Nitrate-NO3	1.1	J	0.88	MDL	1.7	PQL	mg/Kg	J	Z

Method Category: METALS

Method: 6010B **Matrix:** SO

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	2.14	J	1.02	MDL	5.75	PQL	mg/Kg	J	Z
CALCIUM	9310		7.05	MDL	23.0	PQL	mg/Kg	J	E, FD
PHOSPHORUS	333		0.644	MDL	11.5	PQL	mg/Kg	J	Q
POTASSIUM	4320		20.7	MDL	57.5	PQL	mg/Kg	J	Q
TIN	3.12	J	1.15	MDL	11.5	PQL	mg/Kg	U	B

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	8220		7.09	MDL	23.1	PQL	mg/Kg	J	E
PHOSPHORUS	356		0.648	MDL	11.6	PQL	mg/Kg	J	Q
POTASSIUM	1580		20.8	MDL	57.9	PQL	mg/Kg	J	Q
SODIUM	113	J	43.2	MDL	116	PQL	mg/Kg	J	Z
TIN	2.36	J	1.16	MDL	11.6	PQL	mg/Kg	U	B
Zirconium	1.91	J	0.972	MDL	5.79	PQL	mg/Kg	J	Z

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	2.11	J	1.00	MDL	5.63	PQL	mg/Kg	J	Z
CALCIUM	11500		6.90	MDL	22.5	PQL	mg/Kg	J	E
PHOSPHORUS	332		0.631	MDL	11.3	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory:** LL

EDD Filename: PrepDE159_v2 **eQAPP Name:** CDM_SSFL_110509

Method Category: METALS

Method: 6010B **Matrix:** SO

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	4580		20.3	MDL	56.3	PQL	mg/Kg	J	Q
TIN	3.06	J	1.13	MDL	11.3	PQL	mg/Kg	U	B

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	12200		6.83	MDL	22.3	PQL	mg/Kg	J	E
PHOSPHORUS	389		0.624	MDL	11.1	PQL	mg/Kg	J	Q
POTASSIUM	4340		20.0	MDL	55.7	PQL	mg/Kg	J	Q
TIN	2.88	J	1.11	MDL	11.1	PQL	mg/Kg	U	B

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	12200		6.80	MDL	22.2	PQL	mg/Kg	J	E
PHOSPHORUS	454		0.621	MDL	11.1	PQL	mg/Kg	J	Q
POTASSIUM	4510		20.0	MDL	55.4	PQL	mg/Kg	J	Q
TIN	2.96	J	1.11	MDL	11.1	PQL	mg/Kg	U	B

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	1.80	J	1.00	MDL	5.63	PQL	mg/Kg	J	Z
CALCIUM	11000		6.90	MDL	22.5	PQL	mg/Kg	J	E
PHOSPHORUS	297		0.631	MDL	11.3	PQL	mg/Kg	J	Q
POTASSIUM	4540		20.3	MDL	56.3	PQL	mg/Kg	J	Q
TIN	3.04	J	1.13	MDL	11.3	PQL	mg/Kg	U	B

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	1.71	J	1.03	MDL	5.76	PQL	mg/Kg	J	Z
CALCIUM	9700		7.07	MDL	23.1	PQL	mg/Kg	J	E
PHOSPHORUS	239		0.645	MDL	11.5	PQL	mg/Kg	J	Q
POTASSIUM	4470		20.7	MDL	57.6	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory:** LL

EDD Filename: PrepDE159_v2 **eQAPP Name:** CDM_SSFL_110509

Method Category: METALS

Method: 6010B **Matrix:** SO

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.96	J	1.15	MDL	11.5	PQL	mg/Kg	U	B

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	2.82	J	1.00	MDL	5.63	PQL	mg/Kg	J	Z
CALCIUM	18500		6.90	MDL	22.5	PQL	mg/Kg	J	E, FD
PHOSPHORUS	357		0.630	MDL	11.3	PQL	mg/Kg	J	Q
POTASSIUM	4400		20.3	MDL	56.3	PQL	mg/Kg	J	Q
TIN	3.22	J	1.13	MDL	11.3	PQL	mg/Kg	U	B

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	2.70	J	0.977	MDL	5.49	PQL	mg/Kg	J	Z
CALCIUM	49000		6.73	MDL	22.0	PQL	mg/Kg	J	E
PHOSPHORUS	316		0.615	MDL	11.0	PQL	mg/Kg	J	Q
POTASSIUM	4250		19.8	MDL	54.9	PQL	mg/Kg	J	Q
TIN	2.79	J	1.10	MDL	11.0	PQL	mg/Kg	U	B

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	2.42	J	0.999	MDL	5.61	PQL	mg/Kg	J	Z
CALCIUM	7210		6.88	MDL	22.4	PQL	mg/Kg	J	E
PHOSPHORUS	335		0.629	MDL	11.2	PQL	mg/Kg	J	Q
POTASSIUM	5180		20.2	MDL	56.1	PQL	mg/Kg	J	Q
TIN	3.06	J	1.12	MDL	11.2	PQL	mg/Kg	U	B

Sample ID: SL-053-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 8:40:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	9360		6.82	MDL	22.2	PQL	mg/Kg	J	E
PHOSPHORUS	445		0.623	MDL	11.1	PQL	mg/Kg	J	Q
POTASSIUM	4050		20.0	MDL	55.6	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6010B **Matrix:** SO

Sample ID: SL-053-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 8:40:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.88	J	1.11	MDL	11.1	PQL	mg/Kg	U	B

Sample ID: SL-075-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 3:40:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	10300		6.81	MDL	22.2	PQL	mg/Kg	J	E
PHOSPHORUS	226		0.622	MDL	11.1	PQL	mg/Kg	J	Q
POTASSIUM	3230		20.0	MDL	55.5	PQL	mg/Kg	J	Q
TIN	3.00	J	1.11	MDL	11.1	PQL	mg/Kg	U	B
Zirconium	4.75	J	0.933	MDL	5.55	PQL	mg/Kg	J	Z

Sample ID: SL-075-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 3:45:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	42600		6.92	MDL	22.6	PQL	mg/Kg	J	E
PHOSPHORUS	387		0.632	MDL	11.3	PQL	mg/Kg	J	Q
POTASSIUM	2500		20.3	MDL	56.4	PQL	mg/Kg	J	Q
TIN	2.78	J	1.13	MDL	11.3	PQL	mg/Kg	U	B
Zirconium	4.70	J	0.948	MDL	5.64	PQL	mg/Kg	J	Z

Sample ID: SL-081-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 1:10:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BORON	1.00	J	0.983	MDL	5.52	PQL	mg/Kg	J	Z
CALCIUM	7380		6.77	MDL	22.1	PQL	mg/Kg	J	E
PHOSPHORUS	313		0.619	MDL	11.0	PQL	mg/Kg	J	Q
POTASSIUM	3490		19.9	MDL	55.2	PQL	mg/Kg	J	Q
TIN	2.78	J	1.10	MDL	11.0	PQL	mg/Kg	U	B

Sample ID: SL-081-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 1:15:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	7150		6.44	MDL	21.0	PQL	mg/Kg	J	E
PHOSPHORUS	291		0.588	MDL	10.5	PQL	mg/Kg	J	Q
POTASSIUM	2320		18.9	MDL	52.5	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6010B **Matrix:** SO

Sample ID: SL-081-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 1:15:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TIN	2.66	J	1.05	MDL	10.5	PQL	mg/Kg	U	B
Zirconium	3.95	J	0.883	MDL	5.25	PQL	mg/Kg	J	Z

Sample ID: SL-084-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 9:30:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	33200		6.52	MDL	21.3	PQL	mg/Kg	J	E
PHOSPHORUS	224		0.596	MDL	10.6	PQL	mg/Kg	J	Q
POTASSIUM	2100		19.1	MDL	53.2	PQL	mg/Kg	J	Q
TIN	2.79	J	1.06	MDL	10.6	PQL	mg/Kg	U	B
Zirconium	4.74	J	0.893	MDL	5.32	PQL	mg/Kg	J	Z

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4530		6.68	MDL	21.8	PQL	mg/Kg	J	E
PHOSPHORUS	253		0.610	MDL	10.9	PQL	mg/Kg	J	Q
POTASSIUM	2650		19.6	MDL	54.5	PQL	mg/Kg	J	Q
TIN	3.00	J	1.09	MDL	10.9	PQL	mg/Kg	U	B

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* REA10 *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	145		0.308	MDL	1.14	PQL	mg/Kg	J	E, E

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.457		0.0684	MDL	0.228	PQL	mg/Kg	J	Q
ARSENIC	8.68		0.0911	MDL	0.456	PQL	mg/Kg	J	Q, E
BERYLLIUM	1.07		0.0182	MDL	0.114	PQL	mg/Kg	J	E
CADMIUM	0.573		0.0456	MDL	0.114	PQL	mg/Kg	J	Q, E

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	25.7		0.0752	MDL	0.456	PQL	mg/Kg	J	Q, E
NICKEL	30.8		0.114	MDL	0.456	PQL	mg/Kg	J	Q, E
SILVER	0.0939	J	0.0137	MDL	0.114	PQL	mg/Kg	J	Z, Q
THALLIUM	0.494		0.0342	MDL	0.114	PQL	mg/Kg	J	Q
VANADIUM	102		0.0251	MDL	0.114	PQL	mg/Kg	J	E

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* REA6 *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	195		1.60	MDL	8.55	PQL	mg/Kg	J	A

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* REA7 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	29.7		0.137	MDL	0.456	PQL	mg/Kg	J	A
COBALT	9.39		0.0228	MDL	0.114	PQL	mg/Kg	J	E, A

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.210	J	0.0456	MDL	0.456	PQL	mg/Kg	J	Z

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	1.32		0.0570	MDL	0.114	PQL	mg/Kg	J	Q, E

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* REA10 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	77.2		0.123	MDL	0.454	PQL	mg/Kg	J	E, E

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.306		0.0681	MDL	0.227	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	3.05		0.0908	MDL	0.454	PQL	mg/Kg	J	Q, E
BERYLLIUM	0.336		0.0182	MDL	0.113	PQL	mg/Kg	J	E
CADMIUM	0.512		0.0454	MDL	0.113	PQL	mg/Kg	J	Q, E
COPPER	9.14		0.0749	MDL	0.454	PQL	mg/Kg	J	Q, E
NICKEL	9.45		0.113	MDL	0.454	PQL	mg/Kg	J	Q, E
SILVER	0.220		0.0136	MDL	0.113	PQL	mg/Kg	J	Q
THALLIUM	0.185		0.0340	MDL	0.113	PQL	mg/Kg	J	Q
VANADIUM	24.0		0.0250	MDL	0.113	PQL	mg/Kg	J	E
ZINC	146		0.635	MDL	3.40	PQL	mg/Kg	J	A

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	10.8		0.136	MDL	0.454	PQL	mg/Kg	J	A
COBALT	2.74		0.0227	MDL	0.113	PQL	mg/Kg	J	E, A

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.154	J	0.0454	MDL	0.454	PQL	mg/Kg	J	Z

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	1.11		0.0567	MDL	0.113	PQL	mg/Kg	J	Q, E

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* REA10 *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	163		0.298	MDL	1.10	PQL	mg/Kg	J	E, E

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.435		0.0663	MDL	0.221	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	9.24		0.0884	MDL	0.442	PQL	mg/Kg	J	Q, E
BERYLLIUM	1.14		0.0177	MDL	0.110	PQL	mg/Kg	J	E
CADMIUM	0.421		0.0442	MDL	0.110	PQL	mg/Kg	J	Q, E
COPPER	23.0		0.0729	MDL	0.442	PQL	mg/Kg	J	Q, E
NICKEL	31.2		0.110	MDL	0.442	PQL	mg/Kg	J	Q, E
SILVER	0.0755	J	0.0133	MDL	0.110	PQL	mg/Kg	J	Z, Q
THALLIUM	0.503		0.0331	MDL	0.110	PQL	mg/Kg	J	Q
VANADIUM	100		0.0243	MDL	0.110	PQL	mg/Kg	J	E
ZINC	106		0.619	MDL	3.31	PQL	mg/Kg	J	A

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	29.7		0.133	MDL	0.442	PQL	mg/Kg	J	A
COBALT	11.2		0.0221	MDL	0.110	PQL	mg/Kg	J	E, A

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.148	J	0.0442	MDL	0.442	PQL	mg/Kg	J	Z

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.702		0.0552	MDL	0.110	PQL	mg/Kg	J	Q, E

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* REA10 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	159		0.119	MDL	0.441	PQL	mg/Kg	J	E, E

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.300		0.0662	MDL	0.221	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	6.68		0.0882	MDL	0.441	PQL	mg/Kg	J	Q, E
BERYLLIUM	0.833		0.0176	MDL	0.110	PQL	mg/Kg	J	E
CADMIUM	0.318		0.0441	MDL	0.110	PQL	mg/Kg	J	Q, E
COPPER	17.6		0.0728	MDL	0.441	PQL	mg/Kg	J	Q, E
NICKEL	21.8		0.110	MDL	0.441	PQL	mg/Kg	J	Q, E
SILVER	0.0617	J	0.0132	MDL	0.110	PQL	mg/Kg	J	Z, Q
THALLIUM	0.358		0.0331	MDL	0.110	PQL	mg/Kg	J	Q
VANADIUM	74.2		0.0243	MDL	0.110	PQL	mg/Kg	J	E
ZINC	88.4		0.618	MDL	3.31	PQL	mg/Kg	J	A

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	28.9		0.132	MDL	0.441	PQL	mg/Kg	J	A
COBALT	10.3		0.0221	MDL	0.110	PQL	mg/Kg	J	E, A

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.114	J	0.0441	MDL	0.441	PQL	mg/Kg	J	Z

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.509		0.0551	MDL	0.110	PQL	mg/Kg	J	Q, E

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* REA10 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	140		0.117	MDL	0.435	PQL	mg/Kg	J	E, E

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.365		0.0652	MDL	0.217	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	7.77		0.0870	MDL	0.435	PQL	mg/Kg	J	Q, E
BERYLLIUM	0.880		0.0174	MDL	0.109	PQL	mg/Kg	J	E
CADMIUM	0.391		0.0435	MDL	0.109	PQL	mg/Kg	J	Q, E
COPPER	24.4		0.0718	MDL	0.435	PQL	mg/Kg	J	Q, E
NICKEL	25.5		0.109	MDL	0.435	PQL	mg/Kg	J	Q, E
SILVER	0.0786	J	0.0130	MDL	0.109	PQL	mg/Kg	J	Z, Q
THALLIUM	0.449		0.0326	MDL	0.109	PQL	mg/Kg	J	Q
VANADIUM	90.3		0.0239	MDL	0.109	PQL	mg/Kg	J	E
ZINC	133		0.609	MDL	3.26	PQL	mg/Kg	J	A

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	25.4		0.130	MDL	0.435	PQL	mg/Kg	J	A
COBALT	9.01		0.0217	MDL	0.109	PQL	mg/Kg	J	E, A

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.116	J	0.0435	MDL	0.435	PQL	mg/Kg	J	Z

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.929		0.0544	MDL	0.109	PQL	mg/Kg	J	Q, E

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* REA10 *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	183		0.307	MDL	1.14	PQL	mg/Kg	J	E, E

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.383		0.0682	MDL	0.227	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	8.55		0.0910	MDL	0.455	PQL	mg/Kg	J	Q, E
BERYLLIUM	1.15		0.0182	MDL	0.114	PQL	mg/Kg	J	E
CADMIUM	0.417		0.0455	MDL	0.114	PQL	mg/Kg	J	Q, E
COPPER	22.0		0.0751	MDL	0.455	PQL	mg/Kg	J	Q, E
NICKEL	29.4		0.114	MDL	0.455	PQL	mg/Kg	J	Q, E
SILVER	0.0757	J	0.0136	MDL	0.114	PQL	mg/Kg	J	Z, Q
THALLIUM	0.497		0.0341	MDL	0.114	PQL	mg/Kg	J	Q
VANADIUM	98.3		0.0250	MDL	0.114	PQL	mg/Kg	J	E
ZINC	96.9		0.637	MDL	3.41	PQL	mg/Kg	J	A

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	32.6		0.136	MDL	0.455	PQL	mg/Kg	J	A
COBALT	10.2		0.0227	MDL	0.114	PQL	mg/Kg	J	E, A

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.144	J	0.0455	MDL	0.455	PQL	mg/Kg	J	Z

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.636		0.0569	MDL	0.114	PQL	mg/Kg	J	Q, E

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* REA10 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	204		0.123	MDL	0.457	PQL	mg/Kg	J	E, E

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.351		0.0685	MDL	0.228	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory:** LL

EDD Filename: PrepDE159_v2 **eQAPP Name:** CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	8.36		0.0913	MDL	0.457	PQL	mg/Kg	J	Q, E
BERYLLIUM	1.02		0.0183	MDL	0.114	PQL	mg/Kg	J	E
CADMIUM	0.458		0.0457	MDL	0.114	PQL	mg/Kg	J	Q, E
COPPER	21.0		0.0753	MDL	0.457	PQL	mg/Kg	J	Q, E
NICKEL	28.4		0.114	MDL	0.457	PQL	mg/Kg	J	Q, E
SILVER	0.0740	J	0.0137	MDL	0.114	PQL	mg/Kg	J	Z, Q
THALLIUM	0.463		0.0342	MDL	0.114	PQL	mg/Kg	J	Q
VANADIUM	96.6		0.0251	MDL	0.114	PQL	mg/Kg	J	E
ZINC	89.9		0.639	MDL	3.42	PQL	mg/Kg	J	A

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	29.2		0.137	MDL	0.457	PQL	mg/Kg	J	A
COBALT	9.04		0.0228	MDL	0.114	PQL	mg/Kg	J	E, A

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.104	J	0.0457	MDL	0.457	PQL	mg/Kg	J	Z

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.632		0.0571	MDL	0.114	PQL	mg/Kg	J	Q, E

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* REA10 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	199		0.123	MDL	0.455	PQL	mg/Kg	J	E, E

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.510		0.0682	MDL	0.227	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	8.16		0.0909	MDL	0.455	PQL	mg/Kg	J	Q, E
BERYLLIUM	1.01		0.0182	MDL	0.114	PQL	mg/Kg	J	E
CADMIUM	0.727		0.0455	MDL	0.114	PQL	mg/Kg	J	Q, E
COPPER	22.8		0.0750	MDL	0.455	PQL	mg/Kg	J	Q, E
NICKEL	28.9		0.114	MDL	0.455	PQL	mg/Kg	J	Q, E
SILVER	0.0712	J	0.0136	MDL	0.114	PQL	mg/Kg	J	Z, Q
THALLIUM	0.491		0.0341	MDL	0.114	PQL	mg/Kg	J	Q
VANADIUM	91.4		0.0250	MDL	0.114	PQL	mg/Kg	J	E

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	30.1		0.136	MDL	0.455	PQL	mg/Kg	J	A
COBALT	13.0		0.0227	MDL	0.114	PQL	mg/Kg	J	E, A
ZINC	162		0.637	MDL	3.41	PQL	mg/Kg	J	A

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.232	J	0.0455	MDL	0.455	PQL	mg/Kg	J	Z

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	1.50		0.0568	MDL	0.114	PQL	mg/Kg	J	Q, E

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* REA10 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	183		0.121	MDL	0.448	PQL	mg/Kg	J	E, E

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.353		0.0672	MDL	0.224	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory:** LL

EDD Filename: PrepDE159_v2 **eQAPP Name:** CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: SL-023-SA5DN-SS-0.0-0.5 ***Collected:*** 5/23/2011 10:00:00 ***Analysis Type:*** REA5 ***Dilution:*** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	7.86		0.0895	MDL	0.448	PQL	mg/Kg	J	Q, E
BERYLLIUM	1.01		0.0179	MDL	0.112	PQL	mg/Kg	J	E
CADMIUM	0.329		0.0448	MDL	0.112	PQL	mg/Kg	J	Q, E
COPPER	20.1		0.0739	MDL	0.448	PQL	mg/Kg	J	Q, E
NICKEL	26.3		0.112	MDL	0.448	PQL	mg/Kg	J	Q, E
SILVER	0.0701	J	0.0134	MDL	0.112	PQL	mg/Kg	J	Z, Q
THALLIUM	0.463		0.0336	MDL	0.112	PQL	mg/Kg	J	Q
VANADIUM	87.2		0.0246	MDL	0.112	PQL	mg/Kg	J	E
ZINC	86.5		0.627	MDL	3.36	PQL	mg/Kg	J	A

Sample ID: SL-023-SA5DN-SS-0.0-0.5 ***Collected:*** 5/23/2011 10:00:00 ***Analysis Type:*** REA6 ***Dilution:*** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	33.1		0.134	MDL	0.448	PQL	mg/Kg	J	A
COBALT	10.1		0.0224	MDL	0.112	PQL	mg/Kg	J	E, A

Sample ID: SL-023-SA5DN-SS-0.0-0.5 ***Collected:*** 5/23/2011 10:00:00 ***Analysis Type:*** REA8 ***Dilution:*** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0791	J	0.0448	MDL	0.448	PQL	mg/Kg	J	Z

Sample ID: SL-023-SA5DN-SS-0.0-0.5 ***Collected:*** 5/23/2011 10:00:00 ***Analysis Type:*** REA9 ***Dilution:*** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.562		0.0560	MDL	0.112	PQL	mg/Kg	J	Q, E

Sample ID: SL-052-SA5DN-SS-0.0-0.5 ***Collected:*** 5/23/2011 9:00:00 ***Analysis Type:*** REA10 ***Dilution:*** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	133		0.121	MDL	0.449	PQL	mg/Kg	J	E, E

Sample ID: SL-052-SA5DN-SS-0.0-0.5 ***Collected:*** 5/23/2011 9:00:00 ***Analysis Type:*** REA5 ***Dilution:*** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.386		0.0673	MDL	0.224	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory:** LL

EDD Filename: PrepDE159_v2 **eQAPP Name:** CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	8.16		0.0898	MDL	0.449	PQL	mg/Kg	J	Q, E
BERYLLIUM	1.09		0.0180	MDL	0.112	PQL	mg/Kg	J	E
CADMIUM	0.491		0.0449	MDL	0.112	PQL	mg/Kg	J	Q, E
COPPER	23.4		0.0741	MDL	0.449	PQL	mg/Kg	J	Q, E
NICKEL	29.8		0.112	MDL	0.449	PQL	mg/Kg	J	Q, E
SILVER	0.0774	J	0.0135	MDL	0.112	PQL	mg/Kg	J	Z, Q
THALLIUM	0.506		0.0337	MDL	0.112	PQL	mg/Kg	J	Q
VANADIUM	97.1		0.0247	MDL	0.112	PQL	mg/Kg	J	E
ZINC	140		0.629	MDL	3.37	PQL	mg/Kg	J	A

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	30.3		0.135	MDL	0.449	PQL	mg/Kg	J	A
COBALT	9.27		0.0224	MDL	0.112	PQL	mg/Kg	J	E, A

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.216	J	0.0449	MDL	0.449	PQL	mg/Kg	J	Z

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.649		0.0561	MDL	0.112	PQL	mg/Kg	J	Q, E

Sample ID: SL-053-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 8:40:00 *Analysis Type:* REA10 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	187		0.118	MDL	0.436	PQL	mg/Kg	J	E, E

Sample ID: SL-053-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 8:40:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.351		0.0655	MDL	0.218	PQL	mg/Kg	J	Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: SL-053-SA5DN-SS-0.0-0.5 **Collected:** 5/23/2011 8:40:00 **Analysis Type:** REA5 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	6.65		0.0873	MDL	0.436	PQL	mg/Kg	J	Q, E
BERYLLIUM	0.913		0.0175	MDL	0.109	PQL	mg/Kg	J	E
CADMIUM	0.461		0.0436	MDL	0.109	PQL	mg/Kg	J	Q, E
COPPER	20.4		0.0720	MDL	0.436	PQL	mg/Kg	J	Q, E
NICKEL	24.7		0.109	MDL	0.436	PQL	mg/Kg	J	Q, E
SILVER	0.0515	J	0.0131	MDL	0.109	PQL	mg/Kg	J	Z, Q
THALLIUM	0.425		0.0327	MDL	0.109	PQL	mg/Kg	J	Q
VANADIUM	82.1		0.0240	MDL	0.109	PQL	mg/Kg	J	E
ZINC	108		0.611	MDL	3.27	PQL	mg/Kg	J	A

Sample ID: SL-053-SA5DN-SS-0.0-0.5 **Collected:** 5/23/2011 8:40:00 **Analysis Type:** REA6 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	26.4		0.131	MDL	0.436	PQL	mg/Kg	J	A
COBALT	10.6		0.0218	MDL	0.109	PQL	mg/Kg	J	E, A

Sample ID: SL-053-SA5DN-SS-0.0-0.5 **Collected:** 5/23/2011 8:40:00 **Analysis Type:** REA8 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.155	J	0.0436	MDL	0.436	PQL	mg/Kg	J	Z

Sample ID: SL-053-SA5DN-SS-0.0-0.5 **Collected:** 5/23/2011 8:40:00 **Analysis Type:** REA9 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.907		0.0545	MDL	0.109	PQL	mg/Kg	J	Q, E

Sample ID: SL-075-SA5DN-SB-4.0-5.0 **Collected:** 5/23/2011 3:40:00 **Analysis Type:** REA10 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	170		0.122	MDL	0.453	PQL	mg/Kg	J	E, E

Sample ID: SL-075-SA5DN-SB-4.0-5.0 **Collected:** 5/23/2011 3:40:00 **Analysis Type:** REA5 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.204	J	0.0679	MDL	0.226	PQL	mg/Kg	J	Z, Q

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-075-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 3:40:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	7.08		0.0906	MDL	0.453	PQL	mg/Kg	J	Q, E
BERYLLIUM	1.00		0.0181	MDL	0.113	PQL	mg/Kg	J	E
CADMIUM	0.490		0.0453	MDL	0.113	PQL	mg/Kg	J	Q, E
COPPER	16.8		0.0747	MDL	0.453	PQL	mg/Kg	J	Q, E
NICKEL	28.7		0.113	MDL	0.453	PQL	mg/Kg	J	Q, E
SILVER	0.0595	J	0.0136	MDL	0.113	PQL	mg/Kg	J	Z, Q
THALLIUM	0.477		0.0340	MDL	0.113	PQL	mg/Kg	J	Q
VANADIUM	77.2		0.0249	MDL	0.113	PQL	mg/Kg	J	E
ZINC	76.6		0.634	MDL	3.40	PQL	mg/Kg	J	A

Sample ID: SL-075-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 3:40:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	26.8		0.136	MDL	0.453	PQL	mg/Kg	J	A
COBALT	8.52		0.0226	MDL	0.113	PQL	mg/Kg	J	E, A

Sample ID: SL-075-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 3:40:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.224		0.0566	MDL	0.113	PQL	mg/Kg	J	Q, E

Sample ID: SL-075-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 3:45:00 *Analysis Type:* REA10 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	125		0.120	MDL	0.443	PQL	mg/Kg	J	E, E

Sample ID: SL-075-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 3:45:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.194	J	0.0664	MDL	0.221	PQL	mg/Kg	J	Z, Q
ARSENIC	7.16		0.0885	MDL	0.443	PQL	mg/Kg	J	Q, E
BERYLLIUM	0.645		0.0177	MDL	0.111	PQL	mg/Kg	J	E
CADMIUM	0.484		0.0443	MDL	0.111	PQL	mg/Kg	J	Q, E
COPPER	13.2		0.0730	MDL	0.443	PQL	mg/Kg	J	Q, E
NICKEL	24.4		0.111	MDL	0.443	PQL	mg/Kg	J	Q, E

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: SL-075-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 3:45:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0669	J	0.0133	MDL	0.111	PQL	mg/Kg	J	Z, Q
THALLIUM	0.379		0.0332	MDL	0.111	PQL	mg/Kg	J	Q
VANADIUM	59.4		0.0243	MDL	0.111	PQL	mg/Kg	J	E
ZINC	62.8		0.620	MDL	3.32	PQL	mg/Kg	J	A

Sample ID: SL-075-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 3:45:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	20.7		0.133	MDL	0.443	PQL	mg/Kg	J	A
COBALT	8.19		0.0221	MDL	0.111	PQL	mg/Kg	J	E, A

Sample ID: SL-075-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 3:45:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0459	J	0.0443	MDL	0.443	PQL	mg/Kg	J	Z

Sample ID: SL-075-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 3:45:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.782		0.0553	MDL	0.111	PQL	mg/Kg	J	Q, E

Sample ID: SL-081-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 1:10:00 *Analysis Type:* REA10 *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	217		0.295	MDL	1.09	PQL	mg/Kg	J	E, E

Sample ID: SL-081-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 1:10:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.331		0.0656	MDL	0.219	PQL	mg/Kg	J	Q
ARSENIC	8.31		0.0875	MDL	0.438	PQL	mg/Kg	J	Q, E
BERYLLIUM	1.04		0.0175	MDL	0.109	PQL	mg/Kg	J	E
CADMIUM	0.448		0.0438	MDL	0.109	PQL	mg/Kg	J	Q, E
COPPER	18.2		0.0722	MDL	0.438	PQL	mg/Kg	J	Q, E
NICKEL	29.5		0.109	MDL	0.438	PQL	mg/Kg	J	Q, E

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: SL-081-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 1:10:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0729	J	0.0131	MDL	0.109	PQL	mg/Kg	J	Z, Q
THALLIUM	0.478		0.0328	MDL	0.109	PQL	mg/Kg	J	Q
VANADIUM	93.1		0.0241	MDL	0.109	PQL	mg/Kg	J	E
ZINC	86.3		0.613	MDL	3.28	PQL	mg/Kg	J	A

Sample ID: SL-081-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 1:10:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	28.3		0.131	MDL	0.438	PQL	mg/Kg	J	A
COBALT	14.7		0.0219	MDL	0.109	PQL	mg/Kg	J	E, A

Sample ID: SL-081-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 1:10:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.579		0.0547	MDL	0.109	PQL	mg/Kg	J	Q, E

Sample ID: SL-081-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 1:15:00 *Analysis Type:* REA10 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	113		0.116	MDL	0.429	PQL	mg/Kg	J	E, E

Sample ID: SL-081-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 1:15:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.179	J	0.0643	MDL	0.214	PQL	mg/Kg	J	Z, Q
ARSENIC	6.69		0.0857	MDL	0.429	PQL	mg/Kg	J	Q, E
BERYLLIUM	0.735		0.0171	MDL	0.107	PQL	mg/Kg	J	E
CADMIUM	0.162		0.0429	MDL	0.107	PQL	mg/Kg	J	Q, E
COPPER	10.8		0.0707	MDL	0.429	PQL	mg/Kg	J	Q, E
NICKEL	17.7		0.107	MDL	0.429	PQL	mg/Kg	J	Q, E
SILVER	0.0560	J	0.0129	MDL	0.107	PQL	mg/Kg	J	Z, Q
THALLIUM	0.337		0.0321	MDL	0.107	PQL	mg/Kg	J	Q
VANADIUM	55.1		0.0236	MDL	0.107	PQL	mg/Kg	J	E
ZINC	63.5		0.600	MDL	3.21	PQL	mg/Kg	J	A

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 6020 **Matrix: SO**

Sample ID: SL-081-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 1:15:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	18.7		0.129	MDL	0.429	PQL	mg/Kg	J	A
COBALT	6.21		0.0214	MDL	0.107	PQL	mg/Kg	J	E, A

Sample ID: SL-081-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 1:15:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.418		0.0536	MDL	0.107	PQL	mg/Kg	J	Q, E

Sample ID: SL-084-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 9:30:00 *Analysis Type:* REA10 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	167		0.119	MDL	0.442	PQL	mg/Kg	J	E, E

Sample ID: SL-084-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 9:30:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.259		0.0664	MDL	0.221	PQL	mg/Kg	J	Q
ARSENIC	9.95		0.0885	MDL	0.442	PQL	mg/Kg	J	Q, E
BERYLLIUM	0.867		0.0177	MDL	0.111	PQL	mg/Kg	J	E
CADMIUM	0.153		0.0442	MDL	0.111	PQL	mg/Kg	J	Q, E
COPPER	14.0		0.0730	MDL	0.442	PQL	mg/Kg	J	Q, E
NICKEL	20.0		0.111	MDL	0.442	PQL	mg/Kg	J	Q, E
SILVER	0.0345	J	0.0133	MDL	0.111	PQL	mg/Kg	J	Z, Q
THALLIUM	0.405		0.0332	MDL	0.111	PQL	mg/Kg	J	Q
VANADIUM	77.3		0.0243	MDL	0.111	PQL	mg/Kg	J	E
ZINC	70.2		0.619	MDL	3.32	PQL	mg/Kg	J	A

Sample ID: SL-084-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 9:30:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	20.7		0.133	MDL	0.442	PQL	mg/Kg	J	A
COBALT	4.97		0.0221	MDL	0.111	PQL	mg/Kg	J	E, A

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 6020 **Matrix:** SO

Sample ID: SL-084-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 9:30:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0788	J	0.0442	MDL	0.442	PQL	mg/Kg	J	Z

Sample ID: SL-084-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 9:30:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.605		0.0553	MDL	0.111	PQL	mg/Kg	J	Q, E

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* REA10 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	176		0.116	MDL	0.431	PQL	mg/Kg	J	E, E

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* REA5 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.370		0.0647	MDL	0.216	PQL	mg/Kg	J	Q
ARSENIC	12.3		0.0863	MDL	0.431	PQL	mg/Kg	J	Q, E
BERYLLIUM	1.14		0.0173	MDL	0.108	PQL	mg/Kg	J	E
CADMIUM	0.330		0.0431	MDL	0.108	PQL	mg/Kg	J	Q, E
COPPER	20.1		0.0712	MDL	0.431	PQL	mg/Kg	J	Q, E
NICKEL	29.9		0.108	MDL	0.431	PQL	mg/Kg	J	Q, E
SILVER	0.0750	J	0.0129	MDL	0.108	PQL	mg/Kg	J	Z, Q
THALLIUM	0.440		0.0324	MDL	0.108	PQL	mg/Kg	J	Q
VANADIUM	90.3		0.0237	MDL	0.108	PQL	mg/Kg	J	E
ZINC	79.6		0.604	MDL	3.24	PQL	mg/Kg	J	A

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* REA6 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	22.7		0.129	MDL	0.431	PQL	mg/Kg	J	A
COBALT	9.24		0.0216	MDL	0.108	PQL	mg/Kg	J	E, A

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS **Method:** 6020 **Matrix:** SO

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* REA8 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0574	J	0.0431	MDL	0.431	PQL	mg/Kg	J	Z

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* REA9 *Dilution:* 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MOLYBDENUM	0.540		0.0539	MDL	0.108	PQL	mg/Kg	J	Q, E

Method Category: METALS **Method:** 7199 **Matrix:** SO

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	1.0	J	0.23	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.93	J	0.23	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.70	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.38	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.84	J	0.23	MDL	1.2	PQL	mg/Kg	J	Z

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS

Method: 7199 **Matrix:** SO

Sample ID: SL-021-SA5DN-SS-0.0-0.5 **Collected:** 5/23/2011 11:00:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.81	J	0.23	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-022-SA5DN-SS-0.0-0.5 **Collected:** 5/23/2011 9:25:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.74	J	0.23	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-052-SA5DN-SS-0.0-0.5 **Collected:** 5/23/2011 9:00:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.53	J	0.23	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-053-SA5DN-SS-0.0-0.5 **Collected:** 5/23/2011 8:40:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.43	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-075-SA5DN-SB-4.0-5.0 **Collected:** 5/23/2011 3:40:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.32	J	0.23	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-075-SA5DN-SB-9.0-10.0 **Collected:** 5/23/2011 3:45:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.36	J	0.23	MDL	1.2	PQL	mg/Kg	J	Z

Sample ID: SL-084-SA5DN-SB-4.0-5.0 **Collected:** 5/23/2011 9:30:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.85	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

Sample ID: SL-089-SA5DN-SB-4.0-5.0 **Collected:** 5/23/2011 10:25:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXAVALENT CHROMIUM	0.41	J	0.22	MDL	1.1	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: METALS
Method: 7199 **Matrix:** SO

Method Category: METALS
Method: 7471A **Matrix:** SO

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0303	J	0.0031	MDL	0.109	PQL	mg/Kg	J	Z

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0131	J	0.0033	MDL	0.114	PQL	mg/Kg	J	Z

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0458	J	0.0031	MDL	0.109	PQL	mg/Kg	J	Z

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0463	J	0.0032	MDL	0.110	PQL	mg/Kg	J	Z

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0038	J	0.0031	MDL	0.110	PQL	mg/Kg	J	Z

Sample ID: SL-053-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 8:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0043	J	0.0032	MDL	0.112	PQL	mg/Kg	J	Z

Sample ID: SL-081-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 1:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0130	J	0.0031	MDL	0.109	PQL	mg/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method Category: METALS

Method: 7471A **Matrix: SO**

Sample ID: SL-084-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 9:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0663	J	0.0031	MDL	0.108	PQL	mg/Kg	J	Z

Method Category: SVOA

Method: 1625C **Matrix: SO**

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
N-NITROSODIMETHYLAMINE	19.1	U	19.1	MDL	38.3	PQL	ng/Kg	UJ	Q

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
N-NITROSODIMETHYLAMINE	42.3		19.0	MDL	38.1	PQL	ng/Kg	J	S

Method Category: SVOA

Method: 6850 **Matrix: SO**

Sample ID: SL-075-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 3:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PERCHLORATE	3.9	J	2.4	MDL	5.8	PQL	ug/Kg	J	Z

Method Category: SVOA

Method: 8015M **Matrix: AQ**

Sample ID: TB-052311 *Collected:* 5/23/2011 8:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
GASOLINE RANGE ORGANICS (C5-C12)	20	U	20	MDL	50	PQL	ug/L	UJ	H

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8015M **Matrix: SO**

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* REA2 *Dilution:* 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C12-C14)	5.6	J	4.6	MDL	14	PQL	mg/Kg	J	Z, FD
EFH (C15-C20)	30		4.6	MDL	14	PQL	mg/Kg	J	FD

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* REA2 *Dilution:* 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C15-C20)	8.2	J	4.5	MDL	13	PQL	mg/Kg	J	Z

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* REA *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIETHYLENE GLYCOL	5.7	U	5.7	MDL	11	PQL	mg/Kg	UJ	Q
ETHYLENE GLYCOL	5.7	U	5.7	MDL	11	PQL	mg/Kg	UJ	Q

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* REA2 *Dilution:* 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C12-C14)	4.6	U	4.6	MDL	14	PQL	mg/Kg	UJ	FD
EFH (C15-C20)	6.4	J	4.6	MDL	14	PQL	mg/Kg	J	Z, FD

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* REA2 *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
EFH (C30-C40)	0.44	J	0.44	MDL	1.3	PQL	mg/Kg	J	Z

Method Category: SVOA

Method: 8081A **Matrix: SO**

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	2.6	U	2.6	MDL	3.9	PQL	ug/Kg	UJ	FD
DIELDRIN	0.097	U	0.097	MDL	0.39	PQL	ug/Kg	UJ	FD
MIREX	0.13	U	0.13	MDL	0.39	PQL	ug/Kg	UJ	FD

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory:** LL

EDD Filename: PrepDE159_v2 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 8081A **Matrix:** SO

Sample ID: SED-035-SIV-SD ***Collected:*** 5/23/2011 3:00:00 ***Analysis Type:*** RES-BASE/NEUTRAL ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDD	0.076	U	0.076	MDL	0.39	PQL	ug/Kg	UJ	S
4,4'-DDE	0.42	U	0.42	MDL	0.42	PQL	ug/Kg	UJ	S
4,4'-DDT	0.37	J	0.076	MDL	0.39	PQL	ug/Kg	J	Z, S
ALDRIN	0.076	U	0.076	MDL	0.19	PQL	ug/Kg	UJ	S
Chlordane	5.1	U	5.1	MDL	5.1	PQL	ug/Kg	UJ	S
DIELDRIN	0.20	U	0.20	MDL	0.39	PQL	ug/Kg	UJ	S
ENDOSULFAN I	0.051	U	0.051	MDL	0.19	PQL	ug/Kg	UJ	S
ENDOSULFAN II	0.076	U	0.076	MDL	0.39	PQL	ug/Kg	UJ	S
ENDOSULFAN SULFATE	0.076	U	0.076	MDL	0.39	PQL	ug/Kg	UJ	S
ENDRIN	0.076	U	0.076	MDL	0.39	PQL	ug/Kg	UJ	S
ENDRIN ALDEHYDE	0.076	U	0.076	MDL	0.39	PQL	ug/Kg	UJ	S
ENDRIN KETONE	0.076	U	0.076	MDL	0.39	PQL	ug/Kg	UJ	S
HEPTACHLOR	0.069	U	0.069	MDL	0.19	PQL	ug/Kg	UJ	S
HEPTACHLOR EPOXIDE	0.039	U	0.039	MDL	0.19	PQL	ug/Kg	UJ	S
METHOXYCHLOR	0.39	U	0.39	MDL	1.9	PQL	ug/Kg	UJ	S
MIREX	0.12	U	0.12	MDL	0.39	PQL	ug/Kg	UJ	S
TOXAPHENE	2.5	U	2.5	MDL	7.6	PQL	ug/Kg	UJ	S

Sample ID: SL-016-SA5DN-SS-0.0-0.5 ***Collected:*** 5/23/2011 11:40:00 ***Analysis Type:*** RES-BASE/NEUTRAL ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	2.3	J	0.90	MDL	3.8	PQL	ug/Kg	J	Z
gamma-BHC (Lindane)	0.056	J	0.038	MDL	0.19	PQL	ug/Kg	J	Z

Sample ID: SL-021-SA5DN-SS-0.0-0.5 ***Collected:*** 5/23/2011 11:00:00 ***Analysis Type:*** RES-BASE/NEUTRAL ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	1.1	J	0.93	MDL	4.0	PQL	ug/Kg	J	Z

Sample ID: SL-022-SA5DN-SS-0.0-0.5 ***Collected:*** 5/23/2011 9:25:00 ***Analysis Type:*** RES-BASE/NEUTRAL ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Chlordane	0.98	J	0.92	MDL	3.9	PQL	ug/Kg	J	Z, FD
DIELDRIN	0.11	J	0.076	MDL	0.39	PQL	ug/Kg	J	Z, FD
MIREX	0.12	J	0.076	MDL	0.39	PQL	ug/Kg	J	Z, FD

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8081A **Matrix: SO**

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDE	0.19	J	0.075	MDL	0.39	PQL	ug/Kg	J	Z
DIELDRIN	0.21	J	0.075	MDL	0.39	PQL	ug/Kg	J	Z
HEPTACHLOR EPOXIDE	0.086	J	0.039	MDL	0.19	PQL	ug/Kg	J	Z

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4,4'-DDE	0.14	J	0.076	MDL	0.39	PQL	ug/Kg	J	Z
4,4'-DDT	0.28	J	0.076	MDL	0.39	PQL	ug/Kg	J	Z
Chlordane	1.2	J	0.92	MDL	3.9	PQL	ug/Kg	J	Z
ENDRIN ALDEHYDE	0.17	J	0.076	MDL	0.39	PQL	ug/Kg	J	Z

Method Category: SVOA

Method: 8082 **Matrix: SO**

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	2.3		0.45	MDL	1.9	PQL	ug/Kg	J	FD
Aroclor 5460	1.9	J	1.1	MDL	3.8	PQL	ug/Kg	J	Z, FD

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5460	2.7	J	1.2	MDL	3.8	PQL	ug/Kg	J	Z

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5460	1.5	J	1.2	MDL	3.8	PQL	ug/Kg	J	Z

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.45	U	0.45	MDL	1.9	PQL	ug/Kg	UJ	FD

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8082 **Matrix: SO**

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Aroclor 5460	1.1	U	1.1	MDL	3.8	PQL	ug/Kg	UJ	FD

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	1.6	J	0.44	MDL	1.9	PQL	ug/Kg	J	Z
Aroclor 5460	1.6	J	1.1	MDL	3.8	PQL	ug/Kg	J	Z

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	1.4	J	0.45	MDL	2.0	PQL	ug/Kg	J	Z
Aroclor 5460	3.4	J	1.2	MDL	3.8	PQL	ug/Kg	J	Z

Method Category: SVOA

Method: 8151A **Matrix: SO**

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-TP (Silvex)	0.16	J	0.086	MDL	0.20	PQL	ug/Kg	J	Z
DINOSEB	0.92	U	0.92	MDL	2.8	PQL	ug/Kg	R	L

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* RES *Dilution:* 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-TP (Silvex)	1.4	J	0.86	MDL	2.0	PQL	ug/Kg	J	Z
DINOSEB	9.2	U	9.2	MDL	28	PQL	ug/Kg	R	L

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.91	U	0.91	MDL	2.7	PQL	ug/Kg	R	L

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8151A **Matrix:** SO

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-TP (Silvex)	0.085	J	0.084	MDL	0.19	PQL	ug/Kg	J	Z
DINOSEB	0.89	U	0.89	MDL	2.7	PQL	ug/Kg	R	L

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-TP (Silvex)	0.18	J	0.084	MDL	0.19	PQL	ug/Kg	J	Z
DINOSEB	0.89	U	0.89	MDL	2.7	PQL	ug/Kg	R	L
MCPA	97	J	85	MDL	280	PQL	ug/Kg	J	Z

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.93	U	0.93	MDL	2.8	PQL	ug/Kg	R	L

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DINOSEB	0.93	U	0.93	MDL	2.8	PQL	ug/Kg	R	L
MCPA	100	J	88	MDL	290	PQL	ug/Kg	J	Z

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-TP (Silvex)	0.16	J	0.086	MDL	0.20	PQL	ug/Kg	J	Z
DINOSEB	0.92	U	0.92	MDL	2.8	PQL	ug/Kg	R	L

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-D	1.9	J	1.4	MDL	4.1	PQL	ug/Kg	J	Z
DINOSEB	0.91	U	0.91	MDL	2.7	PQL	ug/Kg	R	L
MCPA	270	J	86	MDL	280	PQL	ug/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8151A **Matrix:** SO

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-D	1.7	J	1.4	MDL	4.2	PQL	ug/Kg	J	Z
DINOSEB	0.92	U	0.92	MDL	2.8	PQL	ug/Kg	R	L
MCPA	230	J	88	MDL	290	PQL	ug/Kg	J	Z

Sample ID: SL-053-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 8:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4,5-TP (Silvex)	0.12	J	0.084	MDL	0.19	PQL	ug/Kg	J	Z
DINOSEB	0.90	U	0.90	MDL	2.7	PQL	ug/Kg	R	L

Method Category: SVOA

Method: 8270C **Matrix:** AQ

Sample ID: EB05-SA5DN-SS-052311 *Collected:* 5/23/2011 2:05:00 *Analysis Type:* RES-ACID *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	6	U	6	MDL	15	PQL	ug/L	UJ	E

Method Category: SVOA

Method: 8270C **Matrix:** SO

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* RES-ACID *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
BIS(2-ETHYLHEXYL)PHTHALATE	19	U	19	MDL	380	PQL	ug/Kg	UJ	FD
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	77	U	77	MDL	190	PQL	ug/Kg	UJ	L

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* RES-ACID *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8270C **Matrix:** SO

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	37	J	19	MDL	190	PQL	ug/Kg	J	Z
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	77	U	77	MDL	190	PQL	ug/Kg	UJ	L
PHENANTHRENE	25	J	19	MDL	190	PQL	ug/Kg	J	Z
PYRENE	34	J	19	MDL	190	PQL	ug/Kg	J	Z

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* RES-ACID *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	76	U	76	MDL	190	PQL	ug/Kg	UJ	L

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* RES-ACID *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
ANTHRACENE	54	J	19	MDL	190	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	110	J	19	MDL	190	PQL	ug/Kg	J	Z
CARBAZOLE	20	J	19	MDL	190	PQL	ug/Kg	J	Z
DIBENZO(A,H)ANTHRACENE	32	J	19	MDL	190	PQL	ug/Kg	J	Z
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	75	U	75	MDL	190	PQL	ug/Kg	UJ	L
INDENO(1,2,3-CD)PYRENE	130	J	19	MDL	190	PQL	ug/Kg	J	Z
PHENANTHRENE	60	J	19	MDL	190	PQL	ug/Kg	J	Z

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* RES-ACID *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
BENZO(A)ANTHRACENE	130	J	18	MDL	180	PQL	ug/Kg	J	Z
BENZO(A)PYRENE	100	J	18	MDL	180	PQL	ug/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8270C **Matrix:** SO

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	41	J	18	MDL	180	PQL	ug/Kg	J	Z
BIS(2-ETHYLHEXYL)PHTHALATE	37	J	18	MDL	370	PQL	ug/Kg	J	Z
Butylbenzylphthalate	28	J	18	MDL	180	PQL	ug/Kg	J	Z
CHRYSENE	100	J	18	MDL	180	PQL	ug/Kg	J	Z
DIBENZO(A,H)ANTHRACENE	22	J	18	MDL	180	PQL	ug/Kg	J	Z
FLUORANTHENE	120	J	18	MDL	180	PQL	ug/Kg	J	Z
HEXACHLOROBENZENE	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	74	U	74	MDL	180	PQL	ug/Kg	UJ	L
INDENO(1,2,3-CD)PYRENE	53	J	18	MDL	180	PQL	ug/Kg	J	Z
PYRENE	170	J	18	MDL	180	PQL	ug/Kg	J	Z

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* RES-ACID *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
Di-n-butylphthalate	21	J	19	MDL	190	PQL	ug/Kg	J	Z
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	77	U	77	MDL	190	PQL	ug/Kg	UJ	L

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* RES-ACID *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	78	U	78	MDL	190	PQL	ug/Kg	UJ	L

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* RES-ACID *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
BENZIDINE	1300	U	1300	MDL	3800	PQL	ug/Kg	UJ	Q
BIS(2-ETHYLHEXYL)PHTHALATE	27	J	19	MDL	380	PQL	ug/Kg	J	Z, FD

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 8270C **Matrix: SO**

Sample ID: **SL-022-SA5DN-SS-0.0-0.5** ***Collected:*** **5/23/2011 9:25:00** ***Analysis Type:*** **RES-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	77	U	77	MDL	190	PQL	ug/Kg	UJ	L

Sample ID: **SL-023-SA5DN-SS-0.0-0.5** ***Collected:*** **5/23/2011 10:00:00** ***Analysis Type:*** **RES-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	75	U	75	MDL	190	PQL	ug/Kg	UJ	L

Sample ID: **SL-052-SA5DN-SS-0.0-0.5** ***Collected:*** **5/23/2011 9:00:00** ***Analysis Type:*** **RES-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	77	U	77	MDL	190	PQL	ug/Kg	UJ	L

Sample ID: **SL-053-SA5DN-SS-0.0-0.5** ***Collected:*** **5/23/2011 8:40:00** ***Analysis Type:*** **RES-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	74	U	74	MDL	190	PQL	ug/Kg	UJ	L

Sample ID: **SL-075-SA5DN-SB-4.0-5.0** ***Collected:*** **5/23/2011 3:40:00** ***Analysis Type:*** **RES-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	76	U	76	MDL	190	PQL	ug/Kg	UJ	L

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory:** LL

EDD Filename: PrepDE159_v2 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 8270C **Matrix:** SO

Sample ID: SL-075-SA5DN-SB-9.0-10.0 ***Collected:*** 5/23/2011 3:45:00 ***Analysis Type:*** RES-ACID ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
BIS(2-ETHYLHEXYL)PHTHALATE	24	J	19	MDL	380	PQL	ug/Kg	J	Z
HEXACHLOROBENZENE	19	U	19	MDL	190	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	76	U	76	MDL	190	PQL	ug/Kg	UJ	L

Sample ID: SL-081-SA5DN-SB-4.0-5.0 ***Collected:*** 5/23/2011 1:10:00 ***Analysis Type:*** RES-ACID ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
HEXACHLOROBENZENE	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	73	U	73	MDL	180	PQL	ug/Kg	UJ	L

Sample ID: SL-081-SA5DN-SB-9.0-10.0 ***Collected:*** 5/23/2011 1:15:00 ***Analysis Type:*** RES-ACID ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
HEXACHLOROBENZENE	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	73	U	73	MDL	180	PQL	ug/Kg	UJ	L

Sample ID: SL-084-SA5DN-SB-4.0-5.0 ***Collected:*** 5/23/2011 9:30:00 ***Analysis Type:*** RES-ACID ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
HEXACHLOROBENZENE	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	74	U	74	MDL	180	PQL	ug/Kg	UJ	L

Sample ID: SL-089-SA5DN-SB-4.0-5.0 ***Collected:*** 5/23/2011 10:25:00 ***Analysis Type:*** RES-ACID ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-NITROPHENOL	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
4-BROMOPHENYL-PHENYLETHER	18	U	18	MDL	180	PQL	ug/Kg	UJ	L

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA **Method:** 8270C **Matrix:** SO

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HEXACHLOROBENZENE	18	U	18	MDL	180	PQL	ug/Kg	UJ	L
HEXACHLOROBUTADIENE	73	U	73	MDL	180	PQL	ug/Kg	UJ	L

Method Category: SVOA **Method:** 8270C SIM **Matrix:** AQ

Sample ID: EB05-SA5DN-SS-052311 *Collected:* 5/23/2011 2:05:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.034	J	0.0098	MDL	0.049	PQL	ug/L	J	Z
2-METHYLNAPHTHALENE	0.034	J	0.0098	MDL	0.049	PQL	ug/L	J	Z
BIS(2-ETHYLHEXYL)PHTHALATE	0.21	J	0.049	MDL	0.98	PQL	ug/L	U	B
Butylbenzylphthalate	0.073	J	0.049	MDL	0.98	PQL	ug/L	U	B
Di-n-butylphthalate	0.13	J	0.049	MDL	0.98	PQL	ug/L	U	B

Method Category: SVOA **Method:** 8270C SIM **Matrix:** SO

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	5.7	J	3.8	MDL	9.5	PQL	ug/Kg	J	Z, FD
BENZO(B)FLUORANTHENE	5.1	J	3.8	MDL	9.5	PQL	ug/Kg	J	Z, FD
BENZO(G,H,I)PERYLENE	4.1	J	3.8	MDL	9.5	PQL	ug/Kg	J	Z, FD
BENZO(K)FLUORANTHENE	11		3.8	MDL	9.5	PQL	ug/Kg	J	FD
CHRYSENE	6.9	J	1.9	MDL	9.5	PQL	ug/Kg	J	Z, FD
FLUORANTHENE	16		3.8	MDL	9.5	PQL	ug/Kg	J	FD
PHENANTHRENE	11		3.8	MDL	9.5	PQL	ug/Kg	J	FD
PYRENE	11		3.8	MDL	9.5	PQL	ug/Kg	J	FD

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	8.2	J	3.8	MDL	9.5	PQL	ug/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8270C SIM **Matrix:** SO

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	7.3	J	3.8	MDL	9.5	PQL	ug/Kg	J	Z
BENZO(K)FLUORANTHENE	6.6	J	3.8	MDL	9.5	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	6.0	J	3.8	MDL	9.5	PQL	ug/Kg	J	Z

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	7.0	J	3.7	MDL	9.4	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	6.2	J	3.7	MDL	9.4	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	5.0	J	3.7	MDL	9.4	PQL	ug/Kg	J	Z
NAPHTHALENE	4.2	J	3.7	MDL	9.4	PQL	ug/Kg	J	Z
PHENANTHRENE	6.5	J	3.7	MDL	9.4	PQL	ug/Kg	J	Z

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	2.2	J	1.9	MDL	9.3	PQL	ug/Kg	J	Z
PHENANTHRENE	5.9	J	3.7	MDL	9.3	PQL	ug/Kg	J	Z

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	5.2	J	3.8	MDL	9.6	PQL	ug/Kg	J	Z
BENZO(A)PYRENE	6.2	J	3.8	MDL	9.6	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	4.8	J	3.8	MDL	9.6	PQL	ug/Kg	J	Z
BENZO(K)FLUORANTHENE	4.6	J	3.8	MDL	9.6	PQL	ug/Kg	J	Z
CHRYSENE	6.8	J	1.9	MDL	9.6	PQL	ug/Kg	J	Z
PHENANTHRENE	7.2	J	3.8	MDL	9.6	PQL	ug/Kg	J	Z
PYRENE	8.4	J	3.8	MDL	9.6	PQL	ug/Kg	J	Z

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.42	J	0.38	MDL	1.9	PQL	ug/Kg	J	Z
BENZO(A)ANTHRACENE	1.7	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA **Method:** 8270C SIM **Matrix:** SO

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	1.7	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	1.6	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.76	U	0.76	MDL	1.9	PQL	ug/Kg	UJ	FD
BENZO(B)FLUORANTHENE	2.0		0.76	MDL	1.9	PQL	ug/Kg	J	FD
BENZO(G,H,I)PERYLENE	0.76	U	0.76	MDL	1.9	PQL	ug/Kg	UJ	FD
BENZO(K)FLUORANTHENE	0.76	U	0.76	MDL	1.9	PQL	ug/Kg	UJ	FD
CHRYSENE	0.96	J	0.38	MDL	1.9	PQL	ug/Kg	J	Z, FD
FLUORANTHENE	0.76	U	0.76	MDL	1.9	PQL	ug/Kg	UJ	FD
PHENANTHRENE	0.76	U	0.76	MDL	1.9	PQL	ug/Kg	UJ	FD
PYRENE	0.76	U	0.76	MDL	1.9	PQL	ug/Kg	UJ	FD

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)ANTHRACENE	1.2	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z
BENZO(A)PYRENE	1.8	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	1.0	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z
CHRYSENE	1.5	J	0.38	MDL	1.9	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	0.88	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z
PHENANTHRENE	0.88	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z
PYRENE	1.7	J	0.76	MDL	1.9	PQL	ug/Kg	J	Z

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	6.8	J	1.9	MDL	9.6	PQL	ug/Kg	J	Z
PHENANTHRENE	4.8	J	3.8	MDL	9.6	PQL	ug/Kg	J	Z
PYRENE	6.1	J	3.8	MDL	9.6	PQL	ug/Kg	J	Z

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8270C SIM **Matrix:** SO

Sample ID: SL-053-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 8:40:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	2.2	J	1.8	MDL	9.2	PQL	ug/Kg	J	Z
BENZO(A)ANTHRACENE	5.9	J	3.7	MDL	9.2	PQL	ug/Kg	J	Z
BENZO(G,H,I)PERYLENE	6.3	J	3.7	MDL	9.2	PQL	ug/Kg	J	Z
INDENO(1,2,3-CD)PYRENE	4.5	J	3.7	MDL	9.2	PQL	ug/Kg	J	Z

Sample ID: SL-075-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 3:45:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	4.2	J	3.8	MDL	9.4	PQL	ug/Kg	J	Z
CHRYSENE	3.4	J	1.9	MDL	9.4	PQL	ug/Kg	J	Z
FLUORANTHENE	5.0	J	3.8	MDL	9.4	PQL	ug/Kg	J	Z
NAPHTHALENE	7.6	J	3.8	MDL	9.4	PQL	ug/Kg	J	Z
PHENANTHRENE	8.6	J	3.8	MDL	9.4	PQL	ug/Kg	J	Z

Sample ID: SL-081-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 1:15:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	1.1	J	0.73	MDL	1.8	PQL	ug/Kg	J	Z
CHRYSENE	0.55	J	0.36	MDL	1.8	PQL	ug/Kg	J	Z

Method Category: SVOA

Method: 8315A **Matrix:** AQ

Sample ID: EB05-SA5DN-SS-052311 *Collected:* 5/23/2011 2:05:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FORMALDEHYDE	10	U	10	MDL	50	PQL	ug/L	UJ	L

Method Category: SVOA

Method: 8315A **Matrix:** SO

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FORMALDEHYDE	690	U	690	MDL	1700	PQL	ug/Kg	UJ	L

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 8315A **Matrix:** SO

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FORMALDEHYDE	680	U	680	MDL	1700	PQL	ug/Kg	UJ	L

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FORMALDEHYDE	670	U	670	MDL	1700	PQL	ug/Kg	UJ	L

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FORMALDEHYDE	680	U	680	MDL	1700	PQL	ug/Kg	UJ	L

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FORMALDEHYDE	700	U	700	MDL	1700	PQL	ug/Kg	UJ	L

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FORMALDEHYDE	690	U	690	MDL	1700	PQL	ug/Kg	UJ	Q, L

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FORMALDEHYDE	680	U	680	MDL	1700	PQL	ug/Kg	UJ	L

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FORMALDEHYDE	660	U	660	MDL	1700	PQL	ug/Kg	UJ	L

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory:** LL

EDD Filename: PrepDE159_v2 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 8330A **Matrix:** AQ

Sample ID: EB05-SA5DN-SS-052311 *Collected:* 5/23/2011 2:05:00 *Analysis Type:* RES-BASE/NEUTRAL *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,3,5-TRINITROBENZENE	0.20	U	0.20	MDL	0.60	PQL	ug/L	R	H
1,3-DINITROBENZENE	0.20	U	0.20	MDL	0.60	PQL	ug/L	R	H
2,4,6-TRINITROTOLUENE	0.20	U	0.20	MDL	0.60	PQL	ug/L	R	H
2,4-DIAMINO-6-NITROTOLUENE	0.20	U	0.20	MDL	0.60	PQL	ug/L	R	H
2,4-DINITROTOLUENE	0.20	U	0.20	MDL	0.60	PQL	ug/L	R	H
2,6-Diamino-4-nitrotoluene	0.20	U	0.20	MDL	0.60	PQL	ug/L	R	H
2,6-DINITROTOLUENE	0.20	U	0.20	MDL	0.60	PQL	ug/L	R	H
2-AMINO-4,6-DINITROTOLUENE	0.20	U	0.20	MDL	0.60	PQL	ug/L	R	H
2-NITROTOLUENE	0.20	U	0.20	MDL	0.60	PQL	ug/L	R	H
3-NITROTOLUENE	0.40	U	0.40	MDL	1.2	PQL	ug/L	R	H
4-AMINO-2,6-DINITROTOLUENE	0.30	U	0.30	MDL	0.60	PQL	ug/L	R	H
4-NITROTOLUENE	0.60	U	0.60	MDL	1.2	PQL	ug/L	R	H
HMX	0.65	U	0.65	MDL	2.0	PQL	ug/L	R	H
NITROBENZENE	0.20	U	0.20	MDL	0.60	PQL	ug/L	R	H
Nitroglycerin	5.2	U	5.2	MDL	15	PQL	ug/L	R	H
PETN	6.0	U	6.0	MDL	18	PQL	ug/L	R	H
RDX	0.20	U	0.20	MDL	0.60	PQL	ug/L	R	H
Tetryl	0.40	U	0.40	MDL	0.60	PQL	ug/L	R	H

Method Category: VOA

Method: 8015B **Matrix:** AQ

Sample ID: EB05-SA5DN-SS-052311 *Collected:* 5/23/2011 2:05:00 *Analysis Type:* REA3 *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
m-Terphenyl	0.078	U	0.078	MDL	0.24	PQL	mg/L	UJ	S
O-TERPHENYL	0.078	U	0.078	MDL	0.24	PQL	mg/L	UJ	S
p-Terphenyl	0.078	U	0.078	MDL	0.24	PQL	mg/L	UJ	S

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: PrepDE159_v2 eQAPP Name: CDM_SSFL_110509

Method Category: VOA

Method: 8015B **Matrix:** SO

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* REA3 *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
m-Terphenyl	5.3		1.7	MDL	3.9	PQL	mg/Kg	J	S
O-TERPHENYL	1.9	J	1.7	MDL	3.9	PQL	mg/Kg	J	Z, S

Method Category: VOA

Method: 8260B **Matrix:** SO

Sample ID: SL-075-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 3:40:00 *Analysis Type:* RES *Dilution:* 0.9

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Chloro-1,1,1-trifluoroethane	0.52	U	0.52	MDL	5.2	PQL	ug/Kg	UJ	L
ACETONE	8.5		6.9	MDL	8.3	PQL	ug/Kg	U	B
METHYLENE CHLORIDE	1.1	J	0.25	MDL	4.1	PQL	ug/Kg	U	B

Sample ID: SL-081-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 1:10:00 *Analysis Type:* RES *Dilution:* 0.94

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Chloro-1,1,1-trifluoroethane	0.52	U	0.52	MDL	5.2	PQL	ug/Kg	UJ	L
ACETONE	8.7		7.0	MDL	8.3	PQL	ug/Kg	U	B
METHYLENE CHLORIDE	0.79	J	0.25	MDL	4.2	PQL	ug/Kg	U	B

Sample ID: SL-084-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 9:30:00 *Analysis Type:* RES *Dilution:* 0.93

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Chloro-1,1,1-trifluoroethane	0.52	U	0.52	MDL	5.2	PQL	ug/Kg	UJ	L
ACETONE	8.0	J	6.9	MDL	8.3	PQL	ug/Kg	U	B
METHYLENE CHLORIDE	1.2	J	0.25	MDL	4.1	PQL	ug/Kg	U	B

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* RES *Dilution:* 0.86

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Chloro-1,1,1-trifluoroethane	0.47	U	0.47	MDL	4.7	PQL	ug/Kg	UJ	L
ACETONE	6.9	J	6.3	MDL	7.5	PQL	ug/Kg	U	B
METHYLENE CHLORIDE	0.82	J	0.23	MDL	3.8	PQL	ug/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: PrepDE159_v2 **eQAPP Name: CDM_SSFL_110509**

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

* denotes a non-reportable result

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control
Outlier Reports

DE159

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: DE159 **Laboratory: LL**
EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 8015M **Preparation Method: 3510C**
Matrix: AQ

Sample ID	*Type*	*Actual*	*Criteria*	*Units*	*Flag*
TB-052311 (RES)	Sampling To Analysis	8.00	7.00	DAYS	J (all detects) UJ (all non-detects)

Method: 8330A **Preparation Method: 3510C**
Matrix: AQ

Sample ID	*Type*	*Actual*	*Criteria*	*Units*	*Flag*
EB05-SA5DN-SS-052311 (RES)	Sampling To Extraction	15.00	7.00	DAYS	J(all detects) R(all non-detects)

Method Blank Outlier Report

Lab Reporting Batch ID: DE159 **Laboratory:** LL

EDD Filename: DE159_v2 **eQAPP Name:** CDM_SSFL_110509

Method: **6010B**
Matrix: **SO**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15108AB221915	6/1/2011 7:15:00 PM	PHOSPHORUS TIN	1.10 mg/Kg 1.58 mg/Kg	DUP05-SA5DN-QC-052311 SED-035-SIV-SD SL-015-SA5DN-SS-0.0-0.5 SL-016-SA5DN-SS-0.0-0.5 SL-017-SA5DN-SS-0.0-0.5 SL-019-SA5DN-SS-0.0-0.5 SL-021-SA5DN-SS-0.0-0.5 SL-022-SA5DN-SS-0.0-0.5 SL-023-SA5DN-SS-0.0-0.5 SL-052-SA5DN-SS-0.0-0.5 SL-053-SA5DN-SS-0.0-0.5 SL-075-SA5DN-SB-4.0-5.0 SL-075-SA5DN-SB-9.0-10.0 SL-081-SA5DN-SB-4.0-5.0 SL-081-SA5DN-SB-9.0-10.0 SL-084-SA5DN-SB-4.0-5.0 SL-089-SA5DN-SB-4.0-5.0

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP05-SA5DN-QC-052311(REA)	TIN	3.12 mg/Kg	3.12U mg/Kg
SED-035-SIV-SD(REA)	TIN	2.36 mg/Kg	2.36U mg/Kg
SL-015-SA5DN-SS-0.0-0.5(REA)	TIN	3.06 mg/Kg	3.06U mg/Kg
SL-016-SA5DN-SS-0.0-0.5(REA)	TIN	2.88 mg/Kg	2.88U mg/Kg
SL-017-SA5DN-SS-0.0-0.5(REA)	TIN	2.96 mg/Kg	2.96U mg/Kg
SL-019-SA5DN-SS-0.0-0.5(REA)	TIN	3.04 mg/Kg	3.04U mg/Kg
SL-021-SA5DN-SS-0.0-0.5(REA)	TIN	2.96 mg/Kg	2.96U mg/Kg
SL-022-SA5DN-SS-0.0-0.5(REA)	TIN	3.22 mg/Kg	3.22U mg/Kg
SL-023-SA5DN-SS-0.0-0.5(REA)	TIN	2.79 mg/Kg	2.79U mg/Kg
SL-052-SA5DN-SS-0.0-0.5(REA)	TIN	3.06 mg/Kg	3.06U mg/Kg
SL-053-SA5DN-SS-0.0-0.5(REA)	TIN	2.88 mg/Kg	2.88U mg/Kg
SL-075-SA5DN-SB-4.0-5.0(REA)	TIN	3.00 mg/Kg	3.00U mg/Kg
SL-075-SA5DN-SB-9.0-10.0(REA)	TIN	2.78 mg/Kg	2.78U mg/Kg
SL-081-SA5DN-SB-4.0-5.0(REA)	TIN	2.78 mg/Kg	2.78U mg/Kg
SL-081-SA5DN-SB-9.0-10.0(REA)	TIN	2.66 mg/Kg	2.66U mg/Kg
SL-084-SA5DN-SB-4.0-5.0(REA)	TIN	2.79 mg/Kg	2.79U mg/Kg
SL-089-SA5DN-SB-4.0-5.0(REA)	TIN	3.00 mg/Kg	3.00U mg/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: **6020**
Matrix: **SO**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15426AB220651A	6/6/2011 6:51:00 AM	COPPER	0.0807 mg/Kg	DUP05-SA5DN-QC-052311 SED-035-SIV-SD SL-015-SA5DN-SS-0.0-0.5 SL-016-SA5DN-SS-0.0-0.5 SL-017-SA5DN-SS-0.0-0.5 SL-019-SA5DN-SS-0.0-0.5 SL-021-SA5DN-SS-0.0-0.5 SL-022-SA5DN-SS-0.0-0.5 SL-023-SA5DN-SS-0.0-0.5 SL-052-SA5DN-SS-0.0-0.5 SL-053-SA5DN-SS-0.0-0.5 SL-075-SA5DN-SB-4.0-5.0 SL-075-SA5DN-SB-9.0-10.0 SL-081-SA5DN-SB-4.0-5.0 SL-081-SA5DN-SB-9.0-10.0 SL-084-SA5DN-SB-4.0-5.0 SL-089-SA5DN-SB-4.0-5.0

Method: **8015M**
Matrix: **SO**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P48482AB321424A	6/1/2011 2:24:00 PM	EFH (C30-C40)	0.76 mg/Kg	DUP05-SA5DN-QC-052311 SL-015-SA5DN-SS-0.0-0.5 SL-016-SA5DN-SS-0.0-0.5 SL-019-SA5DN-SS-0.0-0.5 SL-021-SA5DN-SS-0.0-0.5 SL-022-SA5DN-SS-0.0-0.5 SL-023-SA5DN-SS-0.0-0.5
P57571AB322158A	6/7/2011 9:58:00 PM	EFH (C8-C11)	0.40 mg/Kg	SL-089-SA5DN-SB-4.0-5.0

Method: **8081A**
Matrix: **AQ**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P46460AB240550A	6/3/2011 5:50:00 AM	ENDOSULFAN II	0.59 ug/L	EB05-SA5DN-SS-052311

Method: **8260B**
Matrix: **SO**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
VBLKB67B211316A	5/27/2011 1:16:00 PM	ACETONE METHYLENE CHLORIDE	9.6 ug/Kg 1.1 ug/Kg	SL-075-SA5DN-SB-4.0-5.0 SL-081-SA5DN-SB-4.0-5.0 SL-084-SA5DN-SB-4.0-5.0 SL-089-SA5DN-SB-4.0-5.0

Method Blank Outlier Report

Lab Reporting Batch ID: DE159 **Laboratory:** LL

EDD Filename: DE159_v2 **eQAPP Name:** CDM_SSFL_110509

Method: 8260B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-075-SA5DN-SB-4.0-5.0(RES)	ACETONE	8.5 ug/Kg	8.5U ug/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	METHYLENE CHLORIDE	1.1 ug/Kg	4.1U ug/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	ACETONE	8.7 ug/Kg	8.7U ug/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	METHYLENE CHLORIDE	0.79 ug/Kg	4.2U ug/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	ACETONE	8.0 ug/Kg	8.3U ug/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	METHYLENE CHLORIDE	1.2 ug/Kg	4.1U ug/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	ACETONE	6.9 ug/Kg	7.5U ug/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	METHYLENE CHLORIDE	0.82 ug/Kg	3.8U ug/Kg

Method: 8270C SIM
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKWK14B260709	5/26/2011 7:09:00 AM	BIS(2-ETHYLHEXYL)PHTHALATE Butylbenzylphthalate Di-n-butylphthalate	0.11 ug/L 0.070 ug/L 0.082 ug/L	EB05-SA5DN-SS-052311

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB05-SA5DN-SS-052311(RES)	BIS(2-ETHYLHEXYL)PHTHALATE	0.21 ug/L	0.98U ug/L
EB05-SA5DN-SS-052311(RES)	Butylbenzylphthalate	0.073 ug/L	0.98U ug/L
EB05-SA5DN-SS-052311(RES)	Di-n-butylphthalate	0.13 ug/L	0.98U ug/L

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: DE159_v2 eQAPP Name: CDM_SSFL_110509

Method: 8015M
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5MS SL-022-SA5DN-SS-0.0-0.5MSD (SL-022-SA5DN-SS-0.0-0.5)	DIETHYLENE GLYCOL ETHYLENE GLYCOL	40 60	39 60	59.00-109.00 63.00-107.00	- -	DIETHYLENE GLYCOL ETHYLENE GLYCOL	J (all detects) UJ (all non-detects)

Method: 8315A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5MS SL-022-SA5DN-SS-0.0-0.5MSD (SL-022-SA5DN-SS-0.0-0.5)	FORMALDEHYDE	79	78	80.00-120.00	-	FORMALDEHYDE	J(all detects) UJ(all non-detects)

Method: 8081A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5MSD (SL-022-SA5DN-SS-0.0-0.5)	ENDOSULFAN II	-	-	28.00-154.00	52 (50.00)	ENDOSULFAN II	J(all detects)

Method: 8015M
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5MS SL-022-SA5DN-SS-0.0-0.5MSD (SL-022-SA5DN-SS-0.0-0.5)	EFH (C12-C14) EFH (C21-C30) EFH (C30-C40) EFH (C8-C11)	0 -198 -1805 0	0 1919 3790 0	49.00-123.00 49.00-123.00 49.00-123.00 49.00-123.00	- 63 (20.00) 50 (20.00) -	EFH (C12-C14) EFH (C21-C30) EFH (C30-C40) EFH (C8-C11)	No Qual, Diluted Out
SL-022-SA5DN-SS-0.0-0.5MS (SL-022-SA5DN-SS-0.0-0.5)	EFH (C15-C20)	40	-	49.00-123.00	-	EFH (C15-C20)	No Qual, Diluted Out

Method: 8330A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5MS SL-022-SA5DN-SS-0.0-0.5MSD (SL-022-SA5DN-SS-0.0-0.5)	PETN	127	122	80.00-121.00	-	PETN	J(all detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 8270C
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5MS SL-022-SA5DN-SS-0.0-0.5MSD (SL-022-SA5DN-SS-0.0-0.5)	2-CHLORONAPHTHALENE 4-CHLORO-3-METHYLPHENOL	142 -	- 111	50.00-141.00 76.00-110.00	53 (30.00) -	2-CHLORONAPHTHALENE 4-CHLORO-3-METHYLPHENOL	J(all detects)
SL-022-SA5DN-SS-0.0-0.5MS SL-022-SA5DN-SS-0.0-0.5MSD (SL-022-SA5DN-SS-0.0-0.5)	BENZIDINE	26	29	35.00-141.00	-	BENZIDINE	J(all detects) UJ(all non-detects)

Method: 1625C
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5MS SL-022-SA5DN-SS-0.0-0.5MSD (SL-022-SA5DN-SS-0.0-0.5)	N-NITROSODIMETHYLAMINE	24	24	70.00-130.00	-	N-NITROSODIMETHYLAMINE	J(all detects) UJ(all non-detects)

Method: 6010B
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5MS	ALUMINUM	1488	2387	75.00-125.00	-	ALUMINUM	
SL-022-SA5DN-SS-0.0-0.5MSD	MAGNESIUM	222	309	75.00-125.00	-	MAGNESIUM	
(DUP05-SA5DN-QC-052311	PHOSPHORUS	128	-	75.00-125.00	-	PHOSPHORUS	
SED-035-SIV-SD	POTASSIUM	161	154	75.00-125.00	-	POTASSIUM	J(all detects)
SL-015-SA5DN-SS-0.0-0.5	TITANIUM	215	285	75.00-125.00	-	TITANIUM	
SL-016-SA5DN-SS-0.0-0.5							Al, Mg, Ti
SL-017-SA5DN-SS-0.0-0.5							No Qual, >4x
SL-019-SA5DN-SS-0.0-0.5							
SL-021-SA5DN-SS-0.0-0.5							
SL-022-SA5DN-SS-0.0-0.5							
SL-023-SA5DN-SS-0.0-0.5							
SL-052-SA5DN-SS-0.0-0.5							
SL-053-SA5DN-SS-0.0-0.5							
SL-075-SA5DN-SB-4.0-5.0							
SL-075-SA5DN-SB-9.0-10.0							
SL-081-SA5DN-SB-4.0-5.0							
SL-081-SA5DN-SB-9.0-10.0							
SL-084-SA5DN-SB-4.0-5.0							
SL-089-SA5DN-SB-4.0-5.0)							

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 6010B
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5MS	CALCIUM	-2319	-1985	75.00-125.00	-	CALCIUM	
SL-022-SA5DN-SS-0.0-0.5MSD	IRON	677	-340	75.00-125.00	-	IRON	
(DUP05-SA5DN-QC-052311	MANGANESE	138	29	75.00-125.00	-	MANGANESE	
SED-035-SIV-SD							
SL-015-SA5DN-SS-0.0-0.5							
SL-016-SA5DN-SS-0.0-0.5							
SL-017-SA5DN-SS-0.0-0.5							
SL-019-SA5DN-SS-0.0-0.5							
SL-021-SA5DN-SS-0.0-0.5							
SL-022-SA5DN-SS-0.0-0.5							No Qual, >4x
SL-023-SA5DN-SS-0.0-0.5							
SL-052-SA5DN-SS-0.0-0.5							
SL-053-SA5DN-SS-0.0-0.5							
SL-075-SA5DN-SB-4.0-5.0							
SL-075-SA5DN-SB-9.0-10.0							
SL-081-SA5DN-SB-4.0-5.0							
SL-081-SA5DN-SB-9.0-10.0							
SL-084-SA5DN-SB-4.0-5.0							
SL-089-SA5DN-SB-4.0-5.0)							

Method: 300.0
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5MS	FLUORIDE	55	-	80.00-120.00	-	FLUORIDE	
(DUP05-SA5DN-QC-052311							
SED-035-SIV-SD							
SL-021-SA5DN-SS-0.0-0.5							J(all detects)
SL-022-SA5DN-SS-0.0-0.5							UJ(all non-detects)
SL-023-SA5DN-SS-0.0-0.5							
SL-052-SA5DN-SS-0.0-0.5							
SL-053-SA5DN-SS-0.0-0.5)							

Method: 6020
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5MS	ARSENIC	-	143	75.00-125.00	-	ARSENIC	
SL-022-SA5DN-SS-0.0-0.5MSD	CADMIUM	-	135	75.00-125.00	-	CADMIUM	
(DUP05-SA5DN-QC-052311	COPPER	-	144	75.00-125.00	-	COPPER	
SED-035-SIV-SD	LEAD	-	249	75.00-125.00	-	LEAD	
SL-015-SA5DN-SS-0.0-0.5	NICKEL	158	145	75.00-125.00	-	NICKEL	J(all detects)
SL-016-SA5DN-SS-0.0-0.5	SILVER	126	145	75.00-125.00	-	SILVER	
SL-017-SA5DN-SS-0.0-0.5	THALLIUM	-	150	75.00-125.00	-	THALLIUM	Pb, V, Zn
SL-019-SA5DN-SS-0.0-0.5	VANADIUM	-	230	75.00-125.00	-	VANADIUM	No Qual, >4x
SL-021-SA5DN-SS-0.0-0.5	ZINC	325	140	75.00-125.00	-	ZINC	
SL-022-SA5DN-SS-0.0-0.5							
SL-023-SA5DN-SS-0.0-0.5							
SL-052-SA5DN-SS-0.0-0.5							
SL-053-SA5DN-SS-0.0-0.5							
SL-075-SA5DN-SB-4.0-5.0							
SL-075-SA5DN-SB-9.0-10.0							
SL-081-SA5DN-SB-4.0-5.0							
SL-081-SA5DN-SB-9.0-10.0							
SL-084-SA5DN-SB-4.0-5.0							
SL-089-SA5DN-SB-4.0-5.0)							

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: **6020**

Matrix: **SO**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
SL-022-SA5DN-SS-0.0-0.5MS **SL-022-SA5DN-SS-0.0-0.5MSD** (DUP05-SA5DN-QC-052311 SED-035-SIV-SD SL-015-SA5DN-SS-0.0-0.5 SL-016-SA5DN-SS-0.0-0.5 SL-017-SA5DN-SS-0.0-0.5 SL-019-SA5DN-SS-0.0-0.5 SL-021-SA5DN-SS-0.0-0.5 SL-022-SA5DN-SS-0.0-0.5 SL-023-SA5DN-SS-0.0-0.5 SL-052-SA5DN-SS-0.0-0.5 SL-053-SA5DN-SS-0.0-0.5 SL-075-SA5DN-SB-4.0-5.0 SL-075-SA5DN-SB-9.0-10.0 SL-081-SA5DN-SB-4.0-5.0 SL-081-SA5DN-SB-9.0-10.0 SL-084-SA5DN-SB-4.0-5.0 SL-089-SA5DN-SB-4.0-5.0)	ANTIMONY	60	74	75.00-125.00	-	ANTIMONY	J(all detects) UJ(all non-detects)
SL-022-SA5DN-SS-0.0-0.5MSD (DUP05-SA5DN-QC-052311 SED-035-SIV-SD SL-015-SA5DN-SS-0.0-0.5 SL-016-SA5DN-SS-0.0-0.5 SL-017-SA5DN-SS-0.0-0.5 SL-019-SA5DN-SS-0.0-0.5 SL-021-SA5DN-SS-0.0-0.5 SL-022-SA5DN-SS-0.0-0.5 SL-023-SA5DN-SS-0.0-0.5 SL-052-SA5DN-SS-0.0-0.5 SL-053-SA5DN-SS-0.0-0.5 SL-075-SA5DN-SB-4.0-5.0 SL-075-SA5DN-SB-9.0-10.0 SL-081-SA5DN-SB-4.0-5.0 SL-081-SA5DN-SB-9.0-10.0 SL-084-SA5DN-SB-4.0-5.0 SL-089-SA5DN-SB-4.0-5.0)	MOLYBDENUM	-	141	75.00-125.00	-	MOLYBDENUM	J(all detects)
SL-022-SA5DN-SS-0.0-0.5MS **SL-022-SA5DN-SS-0.0-0.5MSD** (DUP05-SA5DN-QC-052311 SED-035-SIV-SD SL-015-SA5DN-SS-0.0-0.5 SL-016-SA5DN-SS-0.0-0.5 SL-017-SA5DN-SS-0.0-0.5 SL-019-SA5DN-SS-0.0-0.5 SL-021-SA5DN-SS-0.0-0.5 SL-022-SA5DN-SS-0.0-0.5 SL-023-SA5DN-SS-0.0-0.5 SL-052-SA5DN-SS-0.0-0.5 SL-053-SA5DN-SS-0.0-0.5 SL-075-SA5DN-SB-4.0-5.0 SL-075-SA5DN-SB-9.0-10.0 SL-081-SA5DN-SB-4.0-5.0 SL-081-SA5DN-SB-9.0-10.0 SL-084-SA5DN-SB-4.0-5.0 SL-089-SA5DN-SB-4.0-5.0)	BARIUM	31	-349	75.00-125.00	24 (20.00)	BARIUM	J(all detects) UJ(all non-detects) No Qual %R, >4x

Lab Duplicate Outlier Report

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: DE159_v2 eQAPP Name: CDM_SSFL_110509

Method: 300.0
Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-084-SA5DN-SB-4.0-5.0DUP (SL-015-SA5DN-SS-0.0-0.5 SL-016-SA5DN-SS-0.0-0.5 SL-017-SA5DN-SS-0.0-0.5 SL-019-SA5DN-SS-0.0-0.5 SL-075-SA5DN-SB-4.0-5.0 SL-075-SA5DN-SB-9.0-10.0 SL-081-SA5DN-SB-4.0-5.0 SL-081-SA5DN-SB-9.0-10.0 SL-084-SA5DN-SB-4.0-5.0 SL-089-SA5DN-SB-4.0-5.0)	Nitrate-NO3	22	20.00	No Qual OK by difference
SL-022-SA5DN-SS-0.0-0.5DUP (DUP05-SA5DN-QC-052311 SED-035-SIV-SD SL-021-SA5DN-SS-0.0-0.5 SL-022-SA5DN-SS-0.0-0.5 SL-023-SA5DN-SS-0.0-0.5 SL-052-SA5DN-SS-0.0-0.5 SL-053-SA5DN-SS-0.0-0.5)	Nitrate-NO3	30	20.00	No Qual OK by difference

Method: 6010B
Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-022-SA5DN-SS-0.0-0.5DUP (DUP05-SA5DN-QC-052311 SED-035-SIV-SD SL-015-SA5DN-SS-0.0-0.5 SL-016-SA5DN-SS-0.0-0.5 SL-017-SA5DN-SS-0.0-0.5 SL-019-SA5DN-SS-0.0-0.5 SL-021-SA5DN-SS-0.0-0.5 SL-022-SA5DN-SS-0.0-0.5 SL-023-SA5DN-SS-0.0-0.5 SL-052-SA5DN-SS-0.0-0.5 SL-053-SA5DN-SS-0.0-0.5 SL-075-SA5DN-SB-4.0-5.0 SL-075-SA5DN-SB-9.0-10.0 SL-081-SA5DN-SB-4.0-5.0 SL-081-SA5DN-SB-9.0-10.0 SL-084-SA5DN-SB-4.0-5.0 SL-089-SA5DN-SB-4.0-5.0)	BORON CALCIUM	41 74	20.00 20.00	J(all detects) UJ(all non-detects) B No Qual OK by difference

Lab Duplicate Outlier Report

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 6020
Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-022-SA5DN-SS-0.0-0.5DUP	ANTIMONY	53	20.00	
(DUP05-SA5DN-QC-052311	ARSENIC	29	20.00	
SED-035-SIV-SD	BARIUM	35	20.00	
SL-015-SA5DN-SS-0.0-0.5	BERYLLIUM	26	20.00	
SL-016-SA5DN-SS-0.0-0.5	CADMIUM	0.3531	0.228 mg/Kg	J(all detects)
SL-017-SA5DN-SS-0.0-0.5	COBALT	31	20.00	UJ(all non-detects)
SL-019-SA5DN-SS-0.0-0.5	COPPER	28	20.00	
SL-021-SA5DN-SS-0.0-0.5	MOLYBDENUM	28	20.00	Sb, Se, Ag, Tl
SL-022-SA5DN-SS-0.0-0.5	NICKEL	34	20.00	No Qual
SL-023-SA5DN-SS-0.0-0.5	SELENIUM	50	20.00	OK by difference
SL-052-SA5DN-SS-0.0-0.5	SILVER	63	20.00	
SL-053-SA5DN-SS-0.0-0.5	THALLIUM	37	20.00	
SL-075-SA5DN-SB-4.0-5.0	VANADIUM	30	20.00	
SL-075-SA5DN-SB-9.0-10.0				
SL-081-SA5DN-SB-4.0-5.0				
SL-081-SA5DN-SB-9.0-10.0				
SL-084-SA5DN-SB-4.0-5.0				
SL-089-SA5DN-SB-4.0-5.0)				

Method: 7471A
Matrix: SO

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
SL-022-SA5DN-SS-0.0-0.5DUP	MERCURY	100	20.00	
(DUP05-SA5DN-QC-052311				
SED-035-SIV-SD				
SL-015-SA5DN-SS-0.0-0.5				
SL-016-SA5DN-SS-0.0-0.5				
SL-017-SA5DN-SS-0.0-0.5				
SL-019-SA5DN-SS-0.0-0.5				
SL-021-SA5DN-SS-0.0-0.5				
SL-022-SA5DN-SS-0.0-0.5				No Qual
SL-023-SA5DN-SS-0.0-0.5				OK by difference
SL-052-SA5DN-SS-0.0-0.5				
SL-053-SA5DN-SS-0.0-0.5				
SL-075-SA5DN-SB-4.0-5.0				
SL-075-SA5DN-SB-9.0-10.0				
SL-081-SA5DN-SB-4.0-5.0				
SL-081-SA5DN-SB-9.0-10.0				
SL-084-SA5DN-SB-4.0-5.0				
SL-089-SA5DN-SB-4.0-5.0)				

Surrogate Outlier Report

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: DE159_v2 eQAPP Name: CDM_SSFL_110509

Method: 1625C
Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SL-022-SA5DN-SS-0.0-0.5	N-Nitrosodimethylamine-d6	152	50.00-150.00	All Target Analytes	J(all detects)
SL-023-SA5DN-SS-0.0-0.5	N-Nitrosodimethylamine-d6	160	50.00-150.00	All Target Analytes	J(all detects)

Method: 8015B
Matrix: AQ

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB05-SA5DN-SS-052311	n-Triacontane-d62	27	50.00-150.00	All Target Analytes	J (all detects) UJ (all non-detects)

Method: 8015B
Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SL-016-SA5DN-SS-0.0-0.5	n-Triacontane-d62	159	50.00-150.00	All Target Analytes	J(all detects)

Method: 8081A
Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SED-035-SIV-SD	TETRACHLORO-M-XYLENE	22	50.00-130.00	All Target Analytes	J(all detects) UJ(all non-detects)
SL-017-SA5DN-SS-0.0-0.5	DECACHLOROBIPHENYL	178	20.00-120.00	All Target Analytes	J(all detects)

Method: 8151A
Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SED-035-SIV-SD	2,4-Dichlorophenylacetic acid	295	36.00-156.00	All Target Analytes	No Qual, Diluted Out

Method: 8315A
Matrix: SO

Sample ID	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
SL-021-SA5DN-SS-0.0-0.5	Butyraldehyde	128	64.00-126.00	All Target Analytes	J(all detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: DE159_v2 eQAPP Name: CDM_SSFL_110509

Method: 8315A
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P11447AQ242350A P11447AY240000A (EB05-SA5DN-SS-052311)	FORMALDEHYDE	62	68	69.00-130.00	-	FORMALDEHYDE	J (all detects) UJ (all non-detects)

Method: 8081A
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P11460AY240614A (EB05-SA5DN-SS-052311)	HEPTACHLOR	-	130	57.00-126.00	-	HEPTACHLOR	J(all detects)

Method: 8330A
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P11582AQ242115A P11582AY242158A (EB05-SA5DN-SS-052311)	3-NITROTOLUENE	110	110	69.00-107.00	-	3-NITROTOLUENE	J(all detects)

Method: 8270C SIM
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P4WKLCSQ260741 P4WKLCSY260814 (EB05-SA5DN-SS-052311)	BENZO(A)PYRENE	142	146	60.00-127.00	-	BENZO(A)PYRENE	J(all detects)
	BENZO(B)FLUORANTHENE	145	148	69.00-123.00	-	BENZO(B)FLUORANTHENE	
	BENZO(G,H,I)PERYLENE	147	152	57.00-131.00	-	BENZO(G,H,I)PERYLENE	
	BENZO(K)FLUORANTHENE	143	147	59.00-130.00	-	BENZO(K)FLUORANTHENE	
	DIBENZO(A,H)ANTHRACENE	147	153	55.00-134.00	-	DIBENZO(A,H)ANTHRACENE	
	Di-n-octylphthalate	-	152	57.00-145.00	-	Di-n-octylphthalate	
	INDENO(1,2,3-CD)PYRENE	147	152	69.00-124.00	-	INDENO(1,2,3-CD)PYRENE	

Method: 8270C
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P6WDLCSY262341 (EB05-SA5DN-SS-052311)	BENZOIC ACID	-	-	10.00-69.00	51 (30.00)	BENZOIC ACID	J(all detects) UJ(all non-detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 8315A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P11453AQ240834A (DUP05 -SA5DN -QC-052311 SL -015-SA5DN -SS-0.0-0.5 SL -016-SA5DN -SS-0.0-0.5 SL -019-SA5DN -SS-0.0-0.5 SL -021-SA5DN -SS-0.0-0.5 SL -022-SA5DN -SS-0.0-0.5 SL -023-SA5DN -SS-0.0-0.5 SL -089-SA5DN -SB-4.0-5.0)	FORMALDEHYDE	76	-	80.00-126.00	-	FORMALDEHYDE	J(all detects) UJ(all non-detects)

Method: 8151A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P11450AQ240729A (DUP05 -SA5DN -QC-052311 SED -035-SIV-SD SL -015-SA5DN -SS-0.0-0.5 SL -016-SA5DN -SS-0.0-0.5 SL -017-SA5DN -SS-0.0-0.5 SL -019-SA5DN -SS-0.0-0.5 SL -021-SA5DN -SS-0.0-0.5 SL -022-SA5DN -SS-0.0-0.5 SL -023-SA5DN -SS-0.0-0.5 SL -052-SA5DN -SS-0.0-0.5 SL -053-SA5DN -SS-0.0-0.5)	DINOSEB	8	-	10.00-36.00	-	DINOSEB	J(all detects) R(all non-detects)

Method: 8081A
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P11474AQ240533A (DUP05 -SA5DN -QC-052311 SED -035-SIV-SD SL -015-SA5DN -SS-0.0-0.5 SL -016-SA5DN -SS-0.0-0.5 SL -017-SA5DN -SS-0.0-0.5 SL -019-SA5DN -SS-0.0-0.5 SL -021-SA5DN -SS-0.0-0.5 SL -022-SA5DN -SS-0.0-0.5 SL -023-SA5DN -SS-0.0-0.5 SL -052-SA5DN -SS-0.0-0.5 SL -053-SA5DN -SS-0.0-0.5)	METHOXYCHLOR	126	-	59.00-125.00	-	METHOXYCHLOR	J(all detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 8270C
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P5LDLCSQ260325	2-NITROPHENOL	80	-	81.00-114.00	-	2-NITROPHENOL	
(DUP05 -SA5DN -QC-052311	4-BROMOPHENYL-PHENYLETH	75	-	79.00-117.00	-	4-BROMOPHENYL-PHENYLET	
SED -035-SIV-SD	HEXACHLOROBENZENE	75	-	78.00-116.00	-	HEXACHLOROBENZENE	
SL -015-SA5DN -SS-0.0-0.5	HEXACHLOROBUTADIENE	66	-	70.00-112.00	-	HEXACHLOROBUTADIENE	
SL -016-SA5DN -SS-0.0-0.5							
SL -017-SA5DN -SS-0.0-0.5							
SL -019-SA5DN -SS-0.0-0.5							
SL -021-SA5DN -SS-0.0-0.5							
SL -022-SA5DN -SS-0.0-0.5							J(all detects)
SL -023-SA5DN -SS-0.0-0.5							UJ(all non-detects)
SL -052-SA5DN -SS-0.0-0.5							
SL -053-SA5DN -SS-0.0-0.5							
SL -075-SA5DN -SB-4.0-5.0							
SL -075-SA5DN -SB-9.0-10.0							
SL -081-SA5DN -SB-4.0-5.0							
SL -081-SA5DN -SB-9.0-10.0							
SL -084-SA5DN -SB-4.0-5.0							
SL -089-SA5DN -SB-4.0-5.0)							

Method: 6020
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P15426AQ220655A	ANTIMONY	121	-	80.00-120.00	-	ANTIMONY	
(DUP05 -SA5DN -QC-052311							
SED -035-SIV-SD							
SL -015-SA5DN -SS-0.0-0.5							
SL -016-SA5DN -SS-0.0-0.5							
SL -017-SA5DN -SS-0.0-0.5							
SL -019-SA5DN -SS-0.0-0.5							
SL -021-SA5DN -SS-0.0-0.5							
SL -022-SA5DN -SS-0.0-0.5							
SL -023-SA5DN -SS-0.0-0.5							No Qual
SL -052-SA5DN -SS-0.0-0.5							SRM within
SL -053-SA5DN -SS-0.0-0.5							QC limits
SL -075-SA5DN -SB-4.0-5.0							
SL -075-SA5DN -SB-9.0-10.0							
SL -081-SA5DN -SB-4.0-5.0							
SL -081-SA5DN -SB-9.0-10.0							
SL -084-SA5DN -SB-4.0-5.0							
SL -089-SA5DN -SB-4.0-5.0)							

Method: 8260B
Matrix: SO

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
LCS1B67Q211231A	2-Chloro-1,1,1-trifluoroethane	77	77	78.00-120.00	-	2-Chloro-1,1,1-trifluoroethane	
LCS1B67Y211254A							
(SL-075-SA5DN -SB-4.0-5.0							J(all detects)
SL -081-SA5DN -SB-4.0-5.0							UJ(all non-detects)
SL -084-SA5DN -SB-4.0-5.0							
SL -089-SA5DN -SB-4.0-5.0)							

Field Duplicate RPD Report

Lab Reporting Batch ID: DE159 Laboratory: LL

EDD Filename: DE159_v2 eQAPP Name: CDM_SSFL_110509

Method: 160.3M
Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
MOISTURE	12.9	13.1	2		No Qualifiers Applied

Method: 300.0
Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
FLUORIDE	4.7	3.7	24	50.00	No Qualifiers Applied
Nitrate-NO3	1.6	1.2	29	50.00	

Method: 6010B
Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
ALUMINUM	30200	29900	1	50.00	No Qualifiers Applied
BORON	2.82	2.14	27	50.00	
IRON	32000	31500	2	50.00	
LITHIUM	26.1	26.0	0	50.00	
MAGNESIUM	6650	6720	1	50.00	
MANGANESE	451	427	5	50.00	
PHOSPHORUS	357	333	7	50.00	
POTASSIUM	4400	4320	2	50.00	
SODIUM	143	139	3	50.00	
STRONTIUM	41.8	38.0	10	50.00	
TIN	3.22	3.12	3	50.00	
TITANIUM	1660	1590	4	50.00	
Zirconium	6.98	6.81	2	50.00	
CALCIUM	18500	9310	66	50.00	J(all detects)

Method: 6020
Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
ANTIMONY	0.510	0.457	11	50.00	No Qualifiers Applied
ARSENIC	8.16	8.68	6	50.00	
BARIUM	199	145	31	50.00	
BERYLLIUM	1.01	1.07	6	50.00	
CADMIUM	0.727	0.573	24	50.00	
CHROMIUM	30.1	29.7	1	50.00	
COBALT	13.0	9.39	32	50.00	
COPPER	22.8	25.7	12	50.00	
LEAD	20.0	22.5	12	50.00	
MOLYBDENUM	1.50	1.32	13	50.00	
NICKEL	28.9	30.8	6	50.00	
SELENIUM	0.232	0.210	10	50.00	
SILVER	0.0712	0.0939	27	50.00	
THALLIUM	0.491	0.494	1	50.00	
VANADIUM	91.4	102	11	50.00	
ZINC	162	195	18	50.00	

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

Field Duplicate RPD Report

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 7199
Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
HEXAVALENT CHROMIUM	0.74	1.0	30	50.00	No Qualifiers Applied

Method: 7471A
Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
MERCURY	0.0463	0.0303	42	50.00	No Qualifiers Applied

Method: 8015M
Matrix: SO

Analyte	Concentration (mg/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
EFH (C21-C30)	60	81	30	50.00	No Qualifiers Applied
EFH (C30-C40)	290	250	15	50.00	
EFH (C12-C14)	14 U	5.6	200	50.00	J(all detects)
EFH (C15-C20)	6.4	30	130	50.00	UJ(all non-detects)

Method: 8081A
Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
4,4'-DDT	0.52	0.65	22	50.00	No Qualifiers Applied
Chlordane	0.98	3.9 U	200	50.00	J(all detects)
DIELDRIN	0.11	0.39 U	200	50.00	UJ(all non-detects)
MIREX	0.12	0.39 U	200	50.00	

Method: 8082
Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
AROCLOR 1260	1.9 U	2.3	200	50.00	J(all detects)
Aroclor 5460	3.8 U	1.9	200	50.00	UJ(all non-detects)

Method: 8151A
Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
2,4,5-TP (Silvex)	0.16	0.16	0	50.00	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 8270C SIM
Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
BENZO(A)PYRENE	1.9 U	5.7	200	50.00	J(all detects) UJ(all non-detects)
BENZO(B)FLUORANTHENE	2.0	5.1	87	50.00	
BENZO(G,H,I)PERYLENE	1.9 U	4.1	200	50.00	
BENZO(K)FLUORANTHENE	1.9 U	11	200	50.00	
CHRYSENE	0.96	6.9	151	50.00	
FLUORANTHENE	1.9 U	16	200	50.00	
PHENANTHRENE	1.9 U	11	200	50.00	
PYRENE	1.9 U	11	200	50.00	

Method: 8270C
Matrix: SO

Analyte	Concentration (ug/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
BIS(2-ETHYLHEXYL)PHTHALATE	27	380 U	200	50.00	J(all detects) UJ(all non-detects)

Method: 9045M
Matrix: SO

Analyte	Concentration (pH unit)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
PH	8.04	8.05	0	50.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 8270C SIM

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB05-SA5DN-SS-052311	1-METHYLNAPHTHALENE	J	0.034	0.049	PQL	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.034	0.049	PQL	ug/L	
	BIS(2-ETHYLHEXYL)PHTHALATE	J	0.21	0.98	PQL	ug/L	
	Butylbenzylphthalate	J	0.073	0.98	PQL	ug/L	
	Di-n-butylphthalate	J	0.13	0.98	PQL	ug/L	

Method: 300.0

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP05-SA5DN-QC-052311	Nitrate-NO3	J	1.2	1.7	PQL	mg/Kg	J (all detects)
SL-016-SA5DN-SS-0.0-0.5	Nitrate-NO3	J	1.3	1.7	PQL	mg/Kg	J (all detects)
SL-021-SA5DN-SS-0.0-0.5	Nitrate-NO3	J	1.5	1.7	PQL	mg/Kg	J (all detects)
SL-022-SA5DN-SS-0.0-0.5	Nitrate-NO3	J	1.6	1.7	PQL	mg/Kg	J (all detects)
SL-023-SA5DN-SS-0.0-0.5	Nitrate-NO3	J	1.1	1.7	PQL	mg/Kg	J (all detects)
SL-089-SA5DN-SB-4.0-5.0	Nitrate-NO3	J	1.1	1.7	PQL	mg/Kg	J (all detects)

Method: 6010B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP05-SA5DN-QC-052311	BORON	J	2.14	5.75	PQL	mg/Kg	J (all detects)
	TIN	J	3.12	11.5	PQL	mg/Kg	
SED-035-SIV-SD	SODIUM	J	113	116	PQL	mg/Kg	J (all detects)
	TIN	J	2.36	11.6	PQL	mg/Kg	
	Zirconium	J	1.91	5.79	PQL	mg/Kg	
SL-015-SA5DN-SS-0.0-0.5	BORON	J	2.11	5.63	PQL	mg/Kg	J (all detects)
	TIN	J	3.06	11.3	PQL	mg/Kg	
SL-016-SA5DN-SS-0.0-0.5	TIN	J	2.88	11.1	PQL	mg/Kg	J (all detects)
SL-017-SA5DN-SS-0.0-0.5	TIN	J	2.96	11.1	PQL	mg/Kg	J (all detects)
SL-019-SA5DN-SS-0.0-0.5	BORON	J	1.80	5.63	PQL	mg/Kg	J (all detects)
	TIN	J	3.04	11.3	PQL	mg/Kg	
SL-021-SA5DN-SS-0.0-0.5	BORON	J	1.71	5.76	PQL	mg/Kg	J (all detects)
	TIN	J	2.96	11.5	PQL	mg/Kg	
SL-022-SA5DN-SS-0.0-0.5	BORON	J	2.82	5.63	PQL	mg/Kg	J (all detects)
	TIN	J	3.22	11.3	PQL	mg/Kg	
SL-023-SA5DN-SS-0.0-0.5	BORON	J	2.70	5.49	PQL	mg/Kg	J (all detects)
	TIN	J	2.79	11.0	PQL	mg/Kg	
SL-052-SA5DN-SS-0.0-0.5	BORON	J	2.42	5.61	PQL	mg/Kg	J (all detects)
	TIN	J	3.06	11.2	PQL	mg/Kg	
SL-053-SA5DN-SS-0.0-0.5	TIN	J	2.88	11.1	PQL	mg/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 6010B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-075-SA5DN-SB-4.0-5.0	TIN Zirconium	J J	3.00 4.75	11.1 5.55	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-075-SA5DN-SB-9.0-10.0	TIN Zirconium	J J	2.78 4.70	11.3 5.64	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-081-SA5DN-SB-4.0-5.0	BORON TIN	J J	1.00 2.78	5.52 11.0	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-081-SA5DN-SB-9.0-10.0	TIN Zirconium	J J	2.66 3.95	10.5 5.25	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-084-SA5DN-SB-4.0-5.0	TIN Zirconium	J J	2.79 4.74	10.6 5.32	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-089-SA5DN-SB-4.0-5.0	TIN	J	3.00	10.9	PQL	mg/Kg	J (all detects)

Method: 6020

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP05-SA5DN-QC-052311	SELENIUM SILVER	J J	0.210 0.0939	0.456 0.114	PQL PQL	mg/Kg mg/Kg	J (all detects)
SED-035-SIV-SD	SELENIUM	J	0.154	0.454	PQL	mg/Kg	J (all detects)
SL-015-SA5DN-SS-0.0-0.5	SELENIUM SILVER	J J	0.148 0.0755	0.442 0.110	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-016-SA5DN-SS-0.0-0.5	SELENIUM SILVER	J J	0.114 0.0617	0.441 0.110	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-017-SA5DN-SS-0.0-0.5	SELENIUM SILVER	J J	0.116 0.0786	0.435 0.109	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-019-SA5DN-SS-0.0-0.5	SELENIUM SILVER	J J	0.144 0.0757	0.455 0.114	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-021-SA5DN-SS-0.0-0.5	SELENIUM SILVER	J J	0.104 0.0740	0.457 0.114	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-022-SA5DN-SS-0.0-0.5	SELENIUM SILVER	J J	0.232 0.0712	0.455 0.114	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-023-SA5DN-SS-0.0-0.5	SELENIUM SILVER	J J	0.0791 0.0701	0.448 0.112	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-052-SA5DN-SS-0.0-0.5	SELENIUM SILVER	J J	0.216 0.0774	0.449 0.112	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-053-SA5DN-SS-0.0-0.5	SELENIUM SILVER	J J	0.155 0.0515	0.436 0.109	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-075-SA5DN-SB-4.0-5.0	ANTIMONY SILVER	J J	0.204 0.0595	0.226 0.113	PQL PQL	mg/Kg mg/Kg	J (all detects)
SL-075-SA5DN-SB-9.0-10.0	ANTIMONY SELENIUM SILVER	J J J	0.194 0.0459 0.0669	0.221 0.443 0.111	PQL PQL PQL	mg/Kg mg/Kg mg/Kg	J (all detects)
SL-081-SA5DN-SB-4.0-5.0	SILVER	J	0.0729	0.109	PQL	mg/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 6020

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-081-SA5DN-SB-9.0-10.0	ANTIMONY	J	0.179	0.214	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0560	0.107	PQL	mg/Kg	
SL-084-SA5DN-SB-4.0-5.0	SELENIUM	J	0.0788	0.442	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0345	0.111	PQL	mg/Kg	
SL-089-SA5DN-SB-4.0-5.0	SELENIUM	J	0.0574	0.431	PQL	mg/Kg	J (all detects)
	SILVER	J	0.0750	0.108	PQL	mg/Kg	

Method: 6850

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-075-SA5DN-SB-4.0-5.0	PERCHLORATE	J	3.9	5.8	PQL	ug/Kg	J (all detects)

Method: 7199

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP05-SA5DN-QC-052311	HEXAVALENT CHROMIUM	J	1.0	1.2	PQL	mg/Kg	J (all detects)
SL-015-SA5DN-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.93	1.1	PQL	mg/Kg	J (all detects)
SL-016-SA5DN-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.70	1.1	PQL	mg/Kg	J (all detects)
SL-017-SA5DN-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.38	1.1	PQL	mg/Kg	J (all detects)
SL-019-SA5DN-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.84	1.2	PQL	mg/Kg	J (all detects)
SL-021-SA5DN-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.81	1.2	PQL	mg/Kg	J (all detects)
SL-022-SA5DN-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.74	1.1	PQL	mg/Kg	J (all detects)
SL-052-SA5DN-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.53	1.2	PQL	mg/Kg	J (all detects)
SL-053-SA5DN-SS-0.0-0.5	HEXAVALENT CHROMIUM	J	0.43	1.1	PQL	mg/Kg	J (all detects)
SL-075-SA5DN-SB-4.0-5.0	HEXAVALENT CHROMIUM	J	0.32	1.2	PQL	mg/Kg	J (all detects)
SL-075-SA5DN-SB-9.0-10.0	HEXAVALENT CHROMIUM	J	0.36	1.2	PQL	mg/Kg	J (all detects)
SL-084-SA5DN-SB-4.0-5.0	HEXAVALENT CHROMIUM	J	0.85	1.1	PQL	mg/Kg	J (all detects)
SL-089-SA5DN-SB-4.0-5.0	HEXAVALENT CHROMIUM	J	0.41	1.1	PQL	mg/Kg	J (all detects)

Method: 7471A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP05-SA5DN-QC-052311	MERCURY	J	0.0303	0.109	PQL	mg/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 7471A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-035-SIV-SD	MERCURY	J	0.0131	0.114	PQL	mg/Kg	J (all detects)
SL-015-SA5DN-SS-0.0-0.5	MERCURY	J	0.0458	0.109	PQL	mg/Kg	J (all detects)
SL-022-SA5DN-SS-0.0-0.5	MERCURY	J	0.0463	0.110	PQL	mg/Kg	J (all detects)
SL-052-SA5DN-SS-0.0-0.5	MERCURY	J	0.0038	0.110	PQL	mg/Kg	J (all detects)
SL-053-SA5DN-SS-0.0-0.5	MERCURY	J	0.0043	0.112	PQL	mg/Kg	J (all detects)
SL-081-SA5DN-SB-9.0-10.0	MERCURY	J	0.0130	0.109	PQL	mg/Kg	J (all detects)
SL-084-SA5DN-SB-4.0-5.0	MERCURY	J	0.0663	0.108	PQL	mg/Kg	J (all detects)

Method: 8015B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-016-SA5DN-SS-0.0-0.5	O-TERPHENYL	J	1.9	3.9	PQL	mg/Kg	J (all detects)

Method: 8015M

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP05-SA5DN-QC-052311	EFH (C12-C14)	J	5.6	14	PQL	mg/Kg	J (all detects)
SL-016-SA5DN-SS-0.0-0.5	EFH (C15-C20)	J	8.2	13	PQL	mg/Kg	J (all detects)
SL-022-SA5DN-SS-0.0-0.5	EFH (C15-C20)	J	6.4	14	PQL	mg/Kg	J (all detects)
SL-089-SA5DN-SB-4.0-5.0	EFH (C30-C40)	J	0.44	1.3	PQL	mg/Kg	J (all detects)

Method: 8081A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-035-SIV-SD	4,4'-DDT	J	0.37	0.39	PQL	ug/Kg	J (all detects)
SL-016-SA5DN-SS-0.0-0.5	Chlordane gamma-BHC (Lindane)	J J	2.3 0.056	3.8 0.19	PQL PQL	ug/Kg ug/Kg	J (all detects)
SL-021-SA5DN-SS-0.0-0.5	Chlordane	J	1.1	4.0	PQL	ug/Kg	J (all detects)
SL-022-SA5DN-SS-0.0-0.5	Chlordane DIELDRIN MIREX	J J J	0.98 0.11 0.12	3.9 0.39 0.39	PQL PQL PQL	ug/Kg ug/Kg ug/Kg	J (all detects)
SL-023-SA5DN-SS-0.0-0.5	4,4'-DDE DIELDRIN HEPTACHLOR EPOXIDE	J J J	0.19 0.21 0.086	0.39 0.39 0.19	PQL PQL PQL	ug/Kg ug/Kg ug/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 8081A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-052-SA5DN-SS-0.0-0.5	4,4'-DDE	J	0.14	0.39	PQL	ug/Kg	J (all detects)
	4,4'-DDT	J	0.28	0.39	PQL	ug/Kg	
	Chlordane	J	1.2	3.9	PQL	ug/Kg	
	ENDRIN ALDEHYDE	J	0.17	0.39	PQL	ug/Kg	

Method: 8082

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP05-SA5DN-QC-052311	Aroclor 5460	J	1.9	3.8	PQL	ug/Kg	J (all detects)
SED-035-SIV-SD	Aroclor 5460	J	2.7	3.8	PQL	ug/Kg	J (all detects)
SL-019-SA5DN-SS-0.0-0.5	Aroclor 5460	J	1.5	3.8	PQL	ug/Kg	J (all detects)
SL-023-SA5DN-SS-0.0-0.5	AROCLOR 1260	J	1.6	1.9	PQL	ug/Kg	J (all detects)
	Aroclor 5460	J	1.6	3.8	PQL	ug/Kg	
SL-052-SA5DN-SS-0.0-0.5	AROCLOR 1260	J	1.4	2.0	PQL	ug/Kg	J (all detects)
	Aroclor 5460	J	3.4	3.8	PQL	ug/Kg	

Method: 8151A

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP05-SA5DN-QC-052311	2,4,5-TP (Silvex)	J	0.16	0.20	PQL	ug/Kg	J (all detects)
SED-035-SIV-SD	2,4,5-TP (Silvex)	J	1.4	2.0	PQL	ug/Kg	J (all detects)
SL-016-SA5DN-SS-0.0-0.5	2,4,5-TP (Silvex)	J	0.085	0.19	PQL	ug/Kg	J (all detects)
SL-017-SA5DN-SS-0.0-0.5	2,4,5-TP (Silvex)	J	0.18	0.19	PQL	ug/Kg	J (all detects)
	MCPA	J	97	280	PQL	ug/Kg	
SL-021-SA5DN-SS-0.0-0.5	MCPA	J	100	290	PQL	ug/Kg	J (all detects)
SL-022-SA5DN-SS-0.0-0.5	2,4,5-TP (Silvex)	J	0.16	0.20	PQL	ug/Kg	J (all detects)
SL-023-SA5DN-SS-0.0-0.5	2,4-D	J	1.9	4.1	PQL	ug/Kg	J (all detects)
	MCPA	J	270	280	PQL	ug/Kg	
SL-052-SA5DN-SS-0.0-0.5	2,4-D	J	1.7	4.2	PQL	ug/Kg	J (all detects)
	MCPA	J	230	290	PQL	ug/Kg	
SL-053-SA5DN-SS-0.0-0.5	2,4,5-TP (Silvex)	J	0.12	0.19	PQL	ug/Kg	J (all detects)

Method: 8260B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-075-SA5DN-SB-4.0-5.0	METHYLENE CHLORIDE	J	1.1	4.1	PQL	ug/Kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: 8260B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-081-SA5DN-SB-4.0-5.0	METHYLENE CHLORIDE	J	0.79	4.2	PQL	ug/Kg	J (all detects)
SL-084-SA5DN-SB-4.0-5.0	ACETONE	J	8.0	8.3	PQL	ug/Kg	J (all detects)
	METHYLENE CHLORIDE	J	1.2	4.1	PQL	ug/Kg	
SL-089-SA5DN-SB-4.0-5.0	ACETONE	J	6.9	7.5	PQL	ug/Kg	J (all detects)
	METHYLENE CHLORIDE	J	0.82	3.8	PQL	ug/Kg	

Method: 8270C

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-035-SIV-SD	FLUORANTHENE	J	37	190	PQL	ug/Kg	J (all detects)
	PHENANTHRENE	J	25	190	PQL	ug/Kg	
	PYRENE	J	34	190	PQL	ug/Kg	
SL-016-SA5DN-SS-0.0-0.5	ANTHRACENE	J	54	190	PQL	ug/Kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	110	190	PQL	ug/Kg	
	CARBAZOLE	J	20	190	PQL	ug/Kg	
	DIBENZO(A,H)ANTHRACENE	J	32	190	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	130	190	PQL	ug/Kg	
	PHENANTHRENE	J	60	190	PQL	ug/Kg	
SL-017-SA5DN-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	130	180	PQL	ug/Kg	J (all detects)
	BENZO(A)PYRENE	J	100	180	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	41	180	PQL	ug/Kg	
	BIS(2-ETHYLHEXYL)PHTHALATE	J	37	370	PQL	ug/Kg	
	Butylbenzylphthalate	J	28	180	PQL	ug/Kg	
	CHRYSENE	J	100	180	PQL	ug/Kg	
	DIBENZO(A,H)ANTHRACENE	J	22	180	PQL	ug/Kg	
	FLUORANTHENE	J	120	180	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	53	180	PQL	ug/Kg	
	PYRENE	J	170	180	PQL	ug/Kg	
SL-019-SA5DN-SS-0.0-0.5	Di-n-butylphthalate	J	21	190	PQL	ug/Kg	J (all detects)
SL-022-SA5DN-SS-0.0-0.5	BIS(2-ETHYLHEXYL)PHTHALATE	J	27	380	PQL	ug/Kg	J (all detects)
SL-075-SA5DN-SB-9.0-10.0	BIS(2-ETHYLHEXYL)PHTHALATE	J	24	380	PQL	ug/Kg	J (all detects)

Method: 8270C SIM

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP05-SA5DN-QC-052311	BENZO(A)PYRENE	J	5.7	9.5	PQL	ug/Kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	5.1	9.5	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	4.1	9.5	PQL	ug/Kg	
	CHRYSENE	J	6.9	9.5	PQL	ug/Kg	
SED-035-SIV-SD	BENZO(A)ANTHRACENE	J	8.2	9.5	PQL	ug/Kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	7.3	9.5	PQL	ug/Kg	
	BENZO(K)FLUORANTHENE	J	6.6	9.5	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	6.0	9.5	PQL	ug/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DE159 **Laboratory: LL**

EDD Filename: DE159_v2 **eQAPP Name: CDM_SSFL_110509**

Method: **8270C SIM**

Matrix: **SO**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
SL-015-SA5DN-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	7.0	9.4	PQL	ug/Kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	6.2	9.4	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	5.0	9.4	PQL	ug/Kg	
	NAPHTHALENE	J	4.2	9.4	PQL	ug/Kg	
	PHENANTHRENE	J	6.5	9.4	PQL	ug/Kg	
SL-017-SA5DN-SS-0.0-0.5	ANTHRACENE	J	2.2	9.3	PQL	ug/Kg	J (all detects)
	PHENANTHRENE	J	5.9	9.3	PQL	ug/Kg	
SL-019-SA5DN-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	5.2	9.6	PQL	ug/Kg	J (all detects)
	BENZO(A)PYRENE	J	6.2	9.6	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	4.8	9.6	PQL	ug/Kg	
	BENZO(K)FLUORANTHENE	J	4.6	9.6	PQL	ug/Kg	
	CHRYSENE	J	6.8	9.6	PQL	ug/Kg	
	PHENANTHRENE	J	7.2	9.6	PQL	ug/Kg	
	PYRENE	J	8.4	9.6	PQL	ug/Kg	
SL-021-SA5DN-SS-0.0-0.5	ANTHRACENE	J	0.42	1.9	PQL	ug/Kg	J (all detects)
	BENZO(A)ANTHRACENE	J	1.7	1.9	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	1.7	1.9	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	1.6	1.9	PQL	ug/Kg	
SL-022-SA5DN-SS-0.0-0.5	CHRYSENE	J	0.96	1.9	PQL	ug/Kg	J (all detects)
SL-023-SA5DN-SS-0.0-0.5	BENZO(A)ANTHRACENE	J	1.2	1.9	PQL	ug/Kg	J (all detects)
	BENZO(A)PYRENE	J	1.8	1.9	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	1.0	1.9	PQL	ug/Kg	
	CHRYSENE	J	1.5	1.9	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	0.88	1.9	PQL	ug/Kg	
	PHENANTHRENE	J	0.88	1.9	PQL	ug/Kg	
	PYRENE	J	1.7	1.9	PQL	ug/Kg	
SL-052-SA5DN-SS-0.0-0.5	CHRYSENE	J	6.8	9.6	PQL	ug/Kg	J (all detects)
	PHENANTHRENE	J	4.8	9.6	PQL	ug/Kg	
	PYRENE	J	6.1	9.6	PQL	ug/Kg	
SL-053-SA5DN-SS-0.0-0.5	ANTHRACENE	J	2.2	9.2	PQL	ug/Kg	J (all detects)
	BENZO(A)ANTHRACENE	J	5.9	9.2	PQL	ug/Kg	
	BENZO(G,H,I)PERYLENE	J	6.3	9.2	PQL	ug/Kg	
	INDENO(1,2,3-CD)PYRENE	J	4.5	9.2	PQL	ug/Kg	
SL-075-SA5DN-SB-9.0-10.0	BENZO(B)FLUORANTHENE	J	4.2	9.4	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	3.4	9.4	PQL	ug/Kg	
	FLUORANTHENE	J	5.0	9.4	PQL	ug/Kg	
	NAPHTHALENE	J	7.6	9.4	PQL	ug/Kg	
	PHENANTHRENE	J	8.6	9.4	PQL	ug/Kg	
SL-081-SA5DN-SB-9.0-10.0	BENZO(B)FLUORANTHENE	J	1.1	1.8	PQL	ug/Kg	J (all detects)
	CHRYSENE	J	0.55	1.8	PQL	ug/Kg	

LDC #: 25984A4 **VALIDATION COMPLETENESS WORKSHEET** Date: 8/5/11

SDG #: DE159 ADR

Laboratory: Lancaster Laboratories

Reviewer: [signature]

2nd Reviewer: [signature]

METHOD: Metals (EPA SW 846 Method 6010B/6020A/7000)

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

	Validation Area		Comments
I.	Technical holding times	N	Sampling dates:
II.	ICP/MS Tune	N	
III.	Calibration	N	
IV.	Blanks	A	No qual by CCB.
V.	ICP Interference Check Sample (ICS) Analysis	N	
VI.	Matrix Spike Analysis	SW	Al, Ba, Ca, Fe, Pb, Mg, Mn, Ti, V, Zn > 4X J/UJ/A
VII.	Duplicate Sample Analysis	N	Sb, B, Hg, Ag, Se, Tl ≥5X, cd. difference 0.353 mg/kg
VIII.	Laboratory Control Samples (LCS)	N A	SRM, Sb within control limits (≤0.228)
IX.	Internal Standard (ICP-MS)	N	
X.	Furnace Atomic Absorption QC	N	
XI.	ICP Serial Dilution	SW	All Soil J/UJ/A (Cr, Co, Zn)
XII.	Sample Result Verification	N	
XIII.	Overall Assessment of Data	N	
XIV.	Field Duplicates	—	
XV	Field Blanks	ND	EB = 17

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

Validated Samples:

1	SL-084-SA5DN-SB-4.0-5.0	11	SL-021-SA5DN-SS-0.0-0.5	21	SL-022-SA5DN-SS-0.0-0.5DUP	31	MB
2	SL-089-SA5DN-SB-4.0-5.0	12	SL-022-SA5DN-SS-0.0-0.5	22		32	
3	SL-081-SA5DN-SB-4.0-5.0	13	SL-023-SA5DN-SS-0.0-0.5	23		33	
4	SL-081-SA5DN-SB-9.0-10.0	14	SL-052-SA5DN-SS-0.0-0.5	24		34	
5	SL-075-SA5DN-SB-4.0-5.0	15	SL-053-SA5DN-SS-0.0-0.5	25		35	
6	SL-075-SA5DN-SB-9.0-10.0	16	DUP05-SA5DN-QC-052311	26		36	
7	SL-015-SA5DN-SS-0.0-0.5	17	EB05-SA5DN-SS-052311	27		37	
8	SL-016-SA5DN-SS-0.0-0.5	18	SED-035-SIV-SD	28		38	
9	SL-017-SA5DN-SS-0.0-0.5	19	SL-022-SA5DN-SS-0.0-0.5MS	29		39	
10	SL-019-SA5DN-SS-0.0-0.5	20	SL-022-SA5DN-SS-0.0-0.5MSD	30		40	

Notes:

LDC #: 29846A4

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: CR
2nd reviewer: A

All circled elements are applicable to each sample.

Sample ID	Matrix	Target Analyte List (TAL)
1-18	Soil/SO	Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mo, Mn, Hg, Ni, P, K, Se, Ag, Na, Sr, Tl, Sn, Ti, V, Zn, Zr

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QUALITY ASSURANCE SUMMARY
FORM 5A(MS/MSD)
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
SDG No.: DE159
Matrix: SOIL Level (low/med): LOW

Background Lab Sample ID: 6296047BKG Matrix Spike Lab Sample ID: 6296048MS Matrix Spike Duplicate Lab Sample ID: 6296049MSD
% Solids for Sample: 87.1
Batch Id(s): P15108A, P15426A, P15111A

Analyte	Mass	BKG Sample Result	C	MS Sample Result	C	MSD Sample Result	C	MS Spike Added	MSD Spike Added	Units	MS %R	Q	MSD %R	Q	RPD	Q	Control Limit %R	Control Limit RPD	M
Aluminum		30197.8715		33483.7698		35572.4680		220.7895	225.1187	MG/KG	1488		2387		6			20	P
Antimony	121	0.5104		1.3147		1.5119		1.3507	1.3507	MG/KG	60	N	74	N	14		75 - 125	20	MS
Arsenic	75	8.1618		10.1709		11.3753		2.2512	2.2512	MG/KG	89		143	N	11		75 - 125	20	MS
Barium	137	198.7246		202.2242		159.4516		11.2559	11.2559	MG/KG	31		-349		24	*		20	MS
Beryllium	9	1.0051		1.8759		2.1022		0.9005	0.9005	MG/KG	97		122		11		75 - 125	20	MS
Boron		2.8185	B	220.3148		224.9645		220.7895	225.1187	MG/KG	99		99		2		84 - 115	20	P
Cadmium	111	0.7266		1.8822		2.2505		1.1256	1.1256	MG/KG	103		135	N	18		75 - 125	20	MS
Calcium		18531.9241		8290.3504		9594.6613		441.5791	450.2375	MG/KG	-2319		-1985		15			20	P
Chromium	52	30.0781		41.3318		39.6659		11.2559	11.2559	MG/KG	100		85		4		75 - 125	20	MS
Cobalt	59	13.0247		64.0238		63.9562		56.2797	56.2797	MG/KG	91		90		0		75 - 125	20	MS
Copper	63	22.7575		34.2181		39.0131		11.2559	11.2559	MG/KG	102		144	N	13		75 - 125	20	MS
Iron		32005.1192		32752.3117		31622.5389		110.3948	112.5594	MG/KG	677		-340		4			20	P
Lead	208	19.9793		24.0652		28.3875		3.3768	3.3768	MG/KG	121		249		16			20	MS
Lithium		26.0980		137.4360		142.5587		110.3948	112.5594	MG/KG	101		103		4		82 - 114	20	P
Magnesium		6650.6033		7139.6726		7345.5562		220.7895	225.1187	MG/KG	222		309		3			20	P
Manganese		451.1346		527.2178		467.6257		55.1974	56.2797	MG/KG	138		29		12			20	P
Mercury		0.0463	B	0.2311		0.2156		0.1806	0.1874	MG/KG	102		90		7		65 - 135	20	CV
Molybdenum	98	1.5023		15.2315		17.3274		11.2559	11.2559	MG/KG	122		141	N	13		75 - 125	20	MS
Nickel	60	28.8504		46.6896		45.1813		11.2559	11.2559	MG/KG	158	N	145	N	3		75 - 125	20	MS
Phosphorus		357.0890		497.9555		457.5910		110.3948	112.5594	MG/KG	128	N	89		8		75 - 125	20	P
Potassium		4402.0328		6180.6014		6140.9671		1103.9477	1125.5938	MG/KG	161	N	154	N	1		75 - 125	20	P
Selenium	78	0.2321	B	2.6879		2.9693		2.2512	2.2512	MG/KG	109		122		10		75 - 125	20	MS
Silver	107	0.0712	B	14.2680		16.4224		11.2559	11.2559	MG/KG	126	N	145	N	14		75 - 125	20	MS
Sodium		142.9234		1230.2438		1244.2448		1103.9477	1125.5938	MG/KG	98		98		1		75 - 125	20	P
Strontium		41.7652		144.3434		147.8884		110.3948	112.5594	MG/KG	93		94		2		75 - 115	20	P
Thallium	203	0.4911		0.9743		1.1654		0.4502	0.4502	MG/KG	107		150	N	18		75 - 125	20	MS
Tin		3.2169	B	390.2113		393.4085		441.5791	450.2375	MG/KG	88		87		1		80 - 110	20	P
Titanium		1661.7163		1899.3961		1982.2528		110.3948	112.5594	MG/KG	215		285		4			20	P
Vanadium	51	91.3710		104.7027		117.2869		11.2559	11.2559	MG/KG	118		230		11			20	MS
Zinc	66	162.1443		198.6898		177.8663		11.2559	11.2559	MG/KG	325		140		11			20	MS
Zirconium		6.9776		111.0306		112.9792		110.3948	112.5594	MG/KG	94		94		2		75 - 125	20	P

METHODS:
P = ICP Atomic Emission Spectrometer
MS = ICP Mass Spectrometry
CV = Cold Vapor
AF = Cold Vapor Atomic Fluorescence

CONCENTRATION QUALIFIERS:
U= Below MDL, B= Below LOQ
FLAGS:
N = Matrix Spike OOS, * = Duplicate OOS

74X

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QUALITY ASSURANCE SUMMARY
FORM 6
DUPLICATES
SDG No.: DE159
Matrix: SOIL Level (low/med): LOW

Background Lab Sample ID: 6296047BKG
% Solids for Duplicate: 87.1
Batch ID(s): P15108A, P15426A, P15111A
Concentration Units: MG/KG

Duplicate Lab Sample ID: 6296050DUP
% Solids for Sample: 87.1

Analyte	Mass	Control Limit	Samples (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum			30197.8715		30657.2711		2		P
Antimony	121	0.2	0.5104		0.2963		53		MS
Arsenic	75		8.1618		6.0782		29	*	MS
Barium	137		198.7246		139.0559		35	*	MS
Beryllium	9		1.0051		0.7762		26	*	MS
Boron			2.8185	B	1.8654	B	41		P
Cadmium	111	0.1	0.7266		0.3735		64	*	MS
Calcium			18531.9241		8476.2388		74	*	P
Chromium	52		30.0781		28.3875		6		MS
Cobalt	59		13.0247		9.5068		31	*	MS
Copper	63		22.7575		17.0820		28	*	MS
Iron			32005.1192		31926.6417		0		P
Lead	208		19.9793		17.1698		15		MS
Lithium			26.0980		26.6395		2		P
Magnesium			6650.6033		6919.6462		4		P
Manganese			451.1346		434.8444		4		P
Mercury			0.0463	B	0.0155	B	100		CV
Molybdenum	98		1.5023		1.1368		28	*	MS
Nickel	60		28.8504		20.5601		34	*	MS
Phosphorus			357.0890		344.1646		4		P
Potassium			4402.0328		4404.5219		0		P
Selenium	78		0.2321	B	0.1394	B	50		MS
Silver	107	0.1	0.0712	B	0.1360		63		MS
Sodium		112.6	142.9234		139.7233		2		P
Strontium			41.7652		39.3471		6		P
Thallium	203	0.1	0.4911		0.3366		37	*	MS
Tin			3.2169	B	3.1613	B	2		P
Titanium			1661.7163		1619.1233		3		P
Vanadium	51		91.3710		67.3780		30	*	MS
Zinc	66		162.1443		152.2478		6		MS
Zirconium		5.6	6.9776		6.8022		3		P

NOTE: An asterisk (*) in column "Q" indicates poor duplicate precision (RPD > 20% OR |(S) - (D)| > LOQ for values < 5x LOQ).
The data are considered to be valid because the laboratory control sample is within the control limits. See the Laboratory Control Sample.

<5X
cd. = difference 0.353 |
(≤ 0.228)
JLW/A
DE159 6295

METHODS:	CONCENTRATION QUALIFIERS:
P = ICP Atomic Emission Spectrometer	U= Below MDL
MS = ICP Mass Spectrometry	B= Below LOQ
CV = Cold Vapor	FLAGS:
AF = Cold Vapor Atomic Fluorescence	* = Duplicate Out of Spec

Lancaster Laboratories

QUALITY ASSURANCE SUMMARY
FORM 9
SERIAL DILUTIONS
SDG No.: DE159
Matrix: SOIL Level (low/med): LOW

Background Lab Sample ID: 6296047BKG Serial Dilution Lab Sample ID: 6296047L
Batch ID(s): P15108A, P15426A
Concentration Units: UG/L

Analyte	Mass	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Diff.	Q	M
Aluminum		268283.9300		287986.4500		7		P
Antimony	121	2.2450		1.8850	B	16		MS
Arsenic	75	35.9000		34.7950		3		MS
Barium	137	874.1000		811.5000		7		MS
Beryllium	9	4.4210		4.5870		4		MS
Boron		25.0400	B	44.5000	U	100		P
Cadmium	111	3.1960		2.9215		9		MS
Calcium		164641.3200		171470.8500		4		P
Chromium	52	132.3000		182.0000		38	E	MS
Cobalt	59	57.2900		72.5500		27	E	MS
Copper	63	100.1000		98.1500		2		MS
Iron		142169.9400		143981.6000		1		P
Lead	208	87.8800		81.5000		7		MS
Lithium		231.8600		249.1500		7		P
Magnesium		59085.2900		63205.2500		7		P
Manganese		4007.9700		4190.4500		5		P
Molybdenum	98	6.6080		6.2100		6		MS
Nickel	60	126.9000		122.7500		3		MS
Phosphorus		3172.4500		3180.7500		0		P
Potassium		39108.5400		41175.6500		5		P
Selenium	78	1.0210	B	1.0000	U	100		MS
Silver	107	0.3131	B	0.4257	B	36		MS
Sodium		1269.7600		1865.0000	U	100		P
Strontium		371.0500		380.9500		3		P
Thallium	203	2.1600		1.9480	B	10		MS
Tin		28.5800	B	50.0000	U	100		P
Titanium		14763.0200		15025.9500		2		P
Vanadium	51	401.9000		378.7000		6		MS
Zinc	66	713.2000		878.0000		23	E	MS
Zirconium		61.9900		87.5000	B	41		P

NOTE: An E in column Q indicates the presence of a chemical or physical interference in the matrix when the % difference is greater than 10%. This applies only when (I) is greater than or equal to 50x MDL for ICP, 100x MDL for ICP-MS (6020), 50x MDL for ICP-MS (200.8), or 25x MDL for GFAA.

METHODS:
P = ICP Atomic Emission Spectrometer
MS = ICP Mass Spectrometry

CONCENTRATION QUALIFIERS: DE159 6392
U= Below MDL
B= Below LOQ
FLAGS:
E = Matrix Effects exist as proven by Serial Dilution or Spiked Dilution

SAMPLE DELIVERY GROUP

DX020

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
13-Dec-2010	SL-301-SA5B-SS-0.0-0.5	6163642	N	METHOD	1613B	III
13-Dec-2010	SL-074-SA5B-SS-0.0-0.5	6163641	N	METHOD	1613B	III
13-Dec-2010	SED-031-SIV-SD-0.0-0.5	6163647	N	METHOD	1613B	III
13-Dec-2010	SL-076-SA5B-SS-0.0-0.5	6163635	N	METHOD	1613B	III
13-Dec-2010	SL-073-SA5B-SS-0.0-0.5	6163643	N	METHOD	1613B	III
13-Dec-2010	SL-072-SA5B-SS-0.0-0.5	6163644	N	METHOD	1613B	III
13-Dec-2010	SL-071-SA5B-SS-0.0-0.5	6163636	N	METHOD	1613B	III
13-Dec-2010	SL-071-SA5B-SS-0.0-0.5MS	6163637	MS	METHOD	1613B	III
13-Dec-2010	SL-071-SA5B-SS-0.0-0.5MSD	6163638	MSD	METHOD	1613B	III
13-Dec-2010	DUP04-SA5B-QC-121310	6163645	FD	METHOD	1613B	III
13-Dec-2010	SED-040-SIV-SD-0.0-0.5	6163649	N	METHOD	1613B	III
13-Dec-2010	SL-084-SA5B-SS-0.0-0.5	6163634	N	METHOD	1613B	III
13-Dec-2010	SL-083-SA5B-SS-0.0-0.5	6163640	N	METHOD	1613B	III
13-Dec-2010	SL-139-SA5B-SS-0.0-0.5	6163639	N	METHOD	1613B	III
13-Dec-2010	SL-078-SA5B-SS-0.0-0.5	6163633	N	METHOD	1613B	III
13-Dec-2010	SED-030-SIV-SD-0.0-0.5	6163648	N	METHOD	1613B	III
13-Dec-2010	SED-029-SIV-SD-0.0-0.5	6163646	N	METHOD	1613B	III
13-Dec-2010	SL-236-SA5B-SS-0.0-0.5	6163654	N	METHOD	1613B	III
13-Dec-2010	SL-092-SA5B-SS-0.0-0.5	6163651	N	METHOD	1613B	III
13-Dec-2010	SL-086-SA5B-SS-0.0-0.5	6163650	N	METHOD	1613B	III
13-Dec-2010	SL-089-SA5B-SS-0.0-0.5	6163653	N	METHOD	1613B	III
13-Dec-2010	SL-103-SA5B-SS-0.0-0.5	6163652	N	METHOD	1613B	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX020 Laboratory: LL

EDD Filename: DX020_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: DUP04-SA5B-QC-121310 *Collected:* 12/13/2010 10:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	1.42	JB	0.0953	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.25	JB	0.0429	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.95	JB	0.0439	MDL	5.31	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.592	J	0.0427	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.564	J	0.0905	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	8980	EB	0.261	MDL	10.6	PQL	ng/Kg	J	*XI

Sample ID: SED-029-SIV-SD-0.0-0.5 *Collected:* 12/13/2010 11:52:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.99	JB	0.0877	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.99	JB	0.0579	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.00	JB	0.0524	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	2.44	JB	0.0489	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	4.22	JB	0.0589	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.718	JB	0.0576	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.15	JBQ	0.101	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	3.27	JB	0.0507	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	4.53	JB	0.0504	MDL	5.54	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.187	J	0.0386	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.03	J	0.131	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SED-030-SIV-SD-0.0-0.5 *Collected:* 12/13/2010 11:13:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.368	JBQ	0.274	MDL	5.97	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.523	JBQ	0.234	MDL	5.97	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.12	J	0.286	MDL	5.97	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.326	JBQ	0.184	MDL	5.97	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.836	JBQ	0.284	MDL	5.97	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.71	JB	0.170	MDL	5.97	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.674	JB	0.223	MDL	5.97	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.844	JB	0.172	MDL	5.97	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX020 **Laboratory:** LL

EDD Filename: DX020_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-031-SIV-SD-0.0-0.5 *Collected:* 12/13/2010 9:20:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.07	JB	0.0770	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.578	JB	0.0416	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.593	JB	0.0306	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	3.05	J	0.0390	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.541	JB	0.0277	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.18	JB	0.0388	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.204	JBQ	0.0354	MDL	5.56	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.385	JB	0.0470	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.21	JB	0.0304	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.768	JB	0.0317	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.812	JB	0.0292	MDL	5.56	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0302	JQ	0.0237	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.331	JQ	0.0571	MDL	1.11	PQL	ng/Kg	J	Z

Sample ID: SED-040-SIV-SD-0.0-0.5 *Collected:* 12/13/2010 10:19:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.46	JBQ	0.210	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.283	JBQ	0.176	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.223	JBQ	0.154	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.09	JQ	0.168	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.493	JBQ	0.182	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.316	JBQ	0.149	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.323	JBQ	0.0916	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.244	JBQ	0.147	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.336	JBQ	0.0880	MDL	5.45	PQL	ng/Kg	J	Z

Sample ID: SL-071-SA5B-SS-0.0-0.5 *Collected:* 12/13/2010 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	169	B	0.0580	MDL	5.34	PQL	ng/Kg	J	Q
1,2,3,7,8,9-HXCDF	1.09	JB	0.0850	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.12	JB	0.0374	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.66	JB	0.0359	MDL	5.34	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.581	J	0.0464	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.449	J	0.0918	MDL	1.07	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX020 **Laboratory:** LL

EDD Filename: DX020_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-071-SA5B-SS-0.0-0.5 *Collected:* 12/13/2010 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
OCDD	7170	EB	0.212	MDL	10.7	PQL	ng/Kg	J	*XI
OCDF	362	B	0.0697	MDL	10.7	PQL	ng/Kg	J	Q, Q

Sample ID: SL-072-SA5B-SS-0.0-0.5 *Collected:* 12/13/2010 9:48:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.95	JB	0.0561	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.03	JB	0.0301	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.36	JB	0.0401	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.63	JB	0.0359	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	4.17	JB	0.0328	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.786	JB	0.0461	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.860	JB	0.0479	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.51	JB	0.0322	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.95	JB	0.0393	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.63	JBQ	0.0308	MDL	5.28	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.731	J	0.0758	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-073-SA5B-SS-0.0-0.5 *Collected:* 12/13/2010 9:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.908	JB	0.0637	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.707	JB	0.0391	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.56	JBQ	0.0394	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.21	J	0.0393	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.00	JB	0.0364	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.00	JB	0.0419	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.708	JBQ	0.0442	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.36	JB	0.0320	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.833	JB	0.0380	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.878	JB	0.0278	MDL	5.25	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0983	JQ	0.0229	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.676	JQ	0.0606	MDL	1.05	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX020 **Laboratory:** LL

EDD Filename: DX020_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-074-SA5B-SS-0.0-0.5 ***Collected:*** 12/13/2010 9:15:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.25	JBQ	0.0777	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.904	JB	0.0477	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.791	JBQ	0.0453	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.72	J	0.0479	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.806	JB	0.0411	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.32	JB	0.0484	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.465	JBQ	0.0502	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.898	JB	0.0352	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.994	JB	0.0438	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.692	JB	0.0316	MDL	5.45	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.132	JQ	0.0253	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.333	JQ	0.0728	MDL	1.09	PQL	ng/Kg	J	Z

Sample ID: SL-076-SA5B-SS-0.0-0.5 ***Collected:*** 12/13/2010 9:28:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.62	JB	0.0240	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.468	JB	0.0356	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.447	JBQ	0.0292	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.350	JB	0.0286	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.984	J	0.0313	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.360	JB	0.0256	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.899	JB	0.0309	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.190	JB	0.0335	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.293	JB	0.0348	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.211	JB	0.0192	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.373	JB	0.0275	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.270	JBQ	0.0179	MDL	5.31	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.152	JQ	0.0387	MDL	1.06	PQL	ng/Kg	J	Z
OCDF	7.92	JB	0.0502	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SL-078-SA5B-SS-0.0-0.5 ***Collected:*** 12/13/2010 11:10:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.45	JB	0.146	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.52	JB	0.126	MDL	5.51	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX020 **Laboratory:** LL

EDD Filename: DX020_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-078-SA5B-SS-0.0-0.5 **Collected:** 12/13/2010 11:10:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	1.49	JB	0.0946	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.57	JB	0.0947	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	4.70	JB	0.136	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.05	JB	0.109	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.82	JB	0.0585	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.89	JB	0.0987	MDL	5.51	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.69	JB	0.0505	MDL	5.51	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.134	JQ	0.0423	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.812	JQ	0.121	MDL	1.10	PQL	ng/Kg	J	Z

Sample ID: SL-083-SA5B-SS-0.0-0.5 **Collected:** 12/13/2010 10:49:00 **Analysis Type:** REA **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	31.2		0.292	MDL	1.08	PQL	ng/Kg		Z

Sample ID: SL-083-SA5B-SS-0.0-0.5 **Collected:** 12/13/2010 10:49:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	3.49	JB	0.763	MDL	5.42	PQL	ng/Kg	J	Z
OCDD	4950	EB	1.10	MDL	10.8	PQL	ng/Kg	J	*XI

Sample ID: SL-084-SA5B-SS-0.0-0.5 **Collected:** 12/13/2010 10:46:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.04	JB	0.0493	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.97	JB	0.0405	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.01	JB	0.0333	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	3.90	J	0.0411	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.28	JB	0.0306	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	4.33	JB	0.0418	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.379	JB	0.0399	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.883	JBQ	0.0534	MDL	5.47	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.257	JB	0.0260	MDL	5.47	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.75	JB	0.0322	MDL	5.47	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.239	JB	0.0246	MDL	5.47	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.104	J	0.0324	MDL	1.09	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX020 **Laboratory:** LL

EDD Filename: DX020_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-084-SA5B-SS-0.0-0.5 ***Collected:*** 12/13/2010 10:46:00 ***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	0.114	J	0.0345	MDL	1.09	PQL	ng/Kg	J	Z

Sample ID: SL-086-SA5B-SS-0.0-0.5 ***Collected:*** 12/13/2010 1:45:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.22	JB	0.141	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.219	JQ	0.110	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0913	JBQ	0.0763	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.260	JBQ	0.118	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.110	JBQ	0.0971	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0998	JBQ	0.0562	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.152	JBQ	0.0834	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0780	JB	0.0525	MDL	5.31	PQL	ng/Kg	U	B
OCDF	3.30	JB	0.177	MDL	10.6	PQL	ng/Kg	J	Z

Sample ID: SL-089-SA5B-SS-0.0-0.5 ***Collected:*** 12/13/2010 2:10:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.383	JB	0.344	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.30	JBQ	0.298	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.755	JB	0.269	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.04	JBQ	0.350	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.132	JBQ	0.0939	MDL	5.36	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.848	JBQ	0.291	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.285	JBQ	0.0864	MDL	5.36	PQL	ng/Kg	J	Z
OCDD	10500	EB	1.47	MDL	10.7	PQL	ng/Kg	J	*XI

Sample ID: SL-092-SA5B-SS-0.0-0.5 ***Collected:*** 12/13/2010 1:27:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.82	JB	0.192	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.724	JBQ	0.0910	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0722	JBQ	0.0686	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.170	JBQ	0.100	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0894	JBQ	0.0796	MDL	5.63	PQL	ng/Kg	U	B
OCDF	1.54	JB	0.173	MDL	11.3	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX020 **Laboratory:** LL

EDD Filename: DX020_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-103-SA5B-SS-0.0-0.5 *Collected:* 12/13/2010 2:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.86	JBQ	0.168	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.363	JBQ	0.0630	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.145	JQ	0.0891	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.221	JBQ	0.0909	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.142	JBQ	0.0786	MDL	5.63	PQL	ng/Kg	U	B
OCDF	0.798	JB	0.163	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-139-SA5B-SS-0.0-0.5 *Collected:* 12/13/2010 11:04:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.794	JB	0.0940	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.492	JBQ	0.0391	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.16	JB	0.0543	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.32	JQ	0.0391	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.06	JB	0.0457	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.936	JB	0.0397	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.862	JB	0.0665	MDL	5.69	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.695	JB	0.0541	MDL	5.69	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.892	JB	0.0375	MDL	5.69	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.800	JQ	0.107	MDL	1.14	PQL	ng/Kg	J	Z

Sample ID: SL-236-SA5B-SS-0.0-0.5 *Collected:* 12/13/2010 1:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.74	JBQ	0.500	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.767	JBQ	0.606	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.524	JBQ	0.415	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.14	JBQ	0.371	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.21	JQ	0.446	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.810	JB	0.358	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.917	JBQ	0.442	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.595	JBQ	0.383	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.457	JBQ	0.262	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.695	JBQ	0.338	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.82	JBQ	0.238	MDL	5.31	PQL	ng/Kg	J	Z
OCDF	9.75	JB	0.561	MDL	10.6	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX020 **Laboratory:** LL

EDD Filename: DX020_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-301-SA5B-SS-0.0-0.5 **Collected:** 12/13/2010 9:00:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	3.98	JB	0.0775	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.77	JB	0.0402	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	3.63	JB	0.0633	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	3.15	JB	0.0560	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.07	JBQ	0.0643	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	3.84	JB	0.0432	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.78	JB	0.0596	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	3.89	JB	0.0390	MDL	5.48	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.205	J	0.0345	MDL	1.10	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX020 **Laboratory: LL**

EDD Filename: DX020_v1 **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

Data Qualifier Summary

Lab Reporting Batch ID: DX020 **Laboratory: LL**

EDD Filename: DX020_v1 **eQAPP Name: CDM_SSFL_110509**

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

Data Qualifier Summary

Lab Reporting Batch ID: DX020 **Laboratory: LL**

EDD Filename: DX020_v1 **eQAPP Name: CDM_SSFL_110509**

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

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control
Outlier Reports

DX020

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: DX020 **Laboratory: LL**
EDD Filename: DX020_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 1613B **Preparation Method: METHOD**
Matrix: SO

Sample ID	*Type*	*Actual*	*Criteria*	*Units*	*Flag*
SL-301-SA5B-SS-0.0-0.5 (REA)	Extractionn To Analysis	57.00	45.00	DAYS	J (all detects) UJ (all non-detects)

Method Blank Outlier Report

Lab Reporting Batch ID: DX020 **Laboratory:** LL

EDD Filename: DX020_v1 **eQAPP Name:** CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371647	1/4/2011 4:47:00 PM	1,2,3,4,6,7,8-HPCDD	0.120 ng/Kg	DUP04-SA5B-QC-121310
		1,2,3,4,6,7,8-HPCDF	0.142 ng/Kg	SED-029-SIV-SD-0.0-0.5
		1,2,3,4,7,8,9-HPCDF	0.0456 ng/Kg	SED-030-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HxCDD	0.0175 ng/Kg	SED-031-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HXCDF	0.0536 ng/Kg	SED-040-SIV-SD-0.0-0.5
		1,2,3,6,7,8-HXCDF	0.0265 ng/Kg	SL-071-SA5B-SS-0.0-0.5
		1,2,3,7,8,9-HXCDD	0.0253 ng/Kg	SL-072-SA5B-SS-0.0-0.5
		1,2,3,7,8,9-HXCDF	0.0565 ng/Kg	SL-073-SA5B-SS-0.0-0.5
		1,2,3,7,8-PECDD	0.0342 ng/Kg	SL-074-SA5B-SS-0.0-0.5
		1,2,3,7,8-PECDF	0.0395 ng/Kg	SL-076-SA5B-SS-0.0-0.5
		2,3,4,6,7,8-HXCDF	0.0592 ng/Kg	SL-078-SA5B-SS-0.0-0.5
		2,3,4,7,8-PECDF	0.0407 ng/Kg	SL-083-SA5B-SS-0.0-0.5
		OCDD	0.267 ng/Kg	SL-084-SA5B-SS-0.0-0.5
		OCDF	0.165 ng/Kg	SL-086-SA5B-SS-0.0-0.5
				SL-089-SA5B-SS-0.0-0.5
				SL-092-SA5B-SS-0.0-0.5
				SL-103-SA5B-SS-0.0-0.5
				SL-139-SA5B-SS-0.0-0.5
				SL-236-SA5B-SS-0.0-0.5
				SL-301-SA5B-SS-0.0-0.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
SED-031-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.204 ng/Kg	0.204U ng/Kg
SED-040-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.223 ng/Kg	0.223U ng/Kg
SED-040-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.244 ng/Kg	0.244U ng/Kg
SL-076-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.190 ng/Kg	0.190U ng/Kg
SL-086-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0913 ng/Kg	0.0913U ng/Kg
SL-086-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.110 ng/Kg	0.110U ng/Kg
SL-086-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0998 ng/Kg	0.0998U ng/Kg
SL-086-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.152 ng/Kg	0.152U ng/Kg
SL-086-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0780 ng/Kg	0.0780U ng/Kg
SL-089-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.132 ng/Kg	0.132U ng/Kg
SL-092-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0722 ng/Kg	0.0722U ng/Kg
SL-092-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0894 ng/Kg	0.0894U ng/Kg
SL-103-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.363 ng/Kg	0.363U ng/Kg
SL-103-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.142 ng/Kg	0.142U ng/Kg
SL-103-SA5B-SS-0.0-0.5(RES)	OCDF	0.798 ng/Kg	0.798U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX020 **Laboratory: LL**

EDD Filename: DX020_v1 **eQAPP Name: CDM_SSFL_110509**

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

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-071-SA5B-SS-0.0-0.5MSD (SL-071-SA5B-SS-0.0-0.5)	1,2,3,4,6,7,8-HPCDF OCDF	- -	- 144	40.00-135.00 40.00-135.00	26 (20.00) 26 (20.00)	1,2,3,4,6,7,8-HPCDF OCDF	J (all detects)
SL-071-SA5B-SS-0.0-0.5MS SL-071-SA5B-SS-0.0-0.5MSD (SL-071-SA5B-SS-0.0-0.5)	1,2,3,4,6,7,8-HPCDD OCDD	-76 -683	216 497	40.00-135.00 40.00-135.00	33 (20.00) 36 (20.00)	1,2,3,4,6,7,8-HPCDD OCDD	No Qual, >4x

Field Duplicate RPD Report

Lab Reporting Batch ID: DX020 **Laboratory: LL**

EDD Filename: DX020_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 160.3M
Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-071-SA5B-SS-0.0-0.5	DUP04-SA5B-QC-121310			
MOISTURE	6.3	5.9	7		No Qualifiers Applied

Method: 1613B
Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-071-SA5B-SS-0.0-0.5	DUP04-SA5B-QC-121310			
1,2,3,4,6,7,8-HPCDD	869	1140	27	50.00	
1,2,3,4,6,7,8-HPCDF	169	223	28	50.00	
1,2,3,4,7,8,9-HPCDF	13.6	17.8	27	50.00	
1,2,3,4,7,8-HxCDD	14.0	18.3	27	50.00	
1,2,3,4,7,8-HXCDF	7.50	9.88	27	50.00	
1,2,3,6,7,8-HXCDD	27.7	35.2	24	50.00	
1,2,3,6,7,8-HXCDF	8.83	11.0	22	50.00	
1,2,3,7,8,9-HXCDD	30.6	38.7	23	50.00	
1,2,3,7,8,9-HXCDF	1.09	1.42	26	50.00	No Qualifiers Applied
1,2,3,7,8-PECDD	5.45	6.69	20	50.00	
1,2,3,7,8-PECDF	1.12	1.25	11	50.00	
2,3,4,6,7,8-HXCDF	12.8	16.1	23	50.00	
2,3,4,7,8-PECDF	1.66	1.95	16	50.00	
2,3,7,8-TCDD	0.581	0.592	2	50.00	
2,3,7,8-TCDF	0.449	0.564	23	50.00	
OCDD	7170	8980	22	50.00	
OCDF	362	471	26	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX020 Laboratory: LL

EDD Filename: DX020_v1 eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-083-SA5B-SS-0.0-0.5	2,3,7,8-TCDF		31.2	1.08	PQL	ng/Kg	
DUP04-SA5B-QC-121310	1,2,3,7,8,9-HXCDF	JB	1.42	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.25	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.95	5.31	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDD	J	0.592	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.564	1.06	PQL	ng/Kg	
SED-029-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.99	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	2.99	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.00	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	2.44	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	4.22	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.718	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	1.15	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	3.27	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	4.53	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.187	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	J	1.03	1.11	PQL	ng/Kg	
SED-030-SIV-SD-0.0-0.5	1,2,3,4,7,8-HxCDD	JBQ	0.368	5.97	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.523	5.97	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	1.12	5.97	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.326	5.97	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.836	5.97	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JB	1.71	5.97	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.674	5.97	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.844	5.97	PQL	ng/Kg	
SED-031-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.07	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.578	5.56	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.593	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	3.05	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.541	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.18	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.204	5.56	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.385	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.21	5.56	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.768	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.812	5.56	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0302	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.331	1.11	PQL	ng/Kg	
SED-040-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JBQ	4.46	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.283	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.223	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	1.09	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.493	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.316	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.323	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.244	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.336	5.45	PQL	ng/Kg	
SL-071-SA5B-SS-0.0-0.5	1,2,3,7,8,9-HXCDF	JB	1.09	5.34	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.12	5.34	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.66	5.34	PQL	ng/Kg	J (all detects)
	2,3,7,8-TCDD	J	0.581	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.449	1.07	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX020 **Laboratory: LL**

EDD Filename: DX020_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-072-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.95	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	2.03	5.28	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.36	5.28	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.63	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	4.17	5.28	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.786	5.28	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.860	5.28	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.51	5.28	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.95	5.28	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	1.63	5.28	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.731	1.06	PQL	ng/Kg	
SL-073-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.908	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.707	5.25	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	1.56	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	2.21	5.25	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.00	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.00	5.25	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.708	5.25	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JB	1.36	5.25	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.833	5.25	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.878	5.25	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0983	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.676	1.05	PQL	ng/Kg	
SL-074-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JBQ	1.25	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.904	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.791	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	2.72	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.806	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.32	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.465	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JB	0.898	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.994	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.692	5.45	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.132	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.333	1.09	PQL	ng/Kg	
SL-076-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.62	5.31	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.468	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.447	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.350	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.984	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.360	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.899	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.190	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.293	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.211	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.373	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.270	5.31	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.152	1.06	PQL	ng/Kg	
	OCDF	JB	7.92	10.6	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX020 **Laboratory: LL**

EDD Filename: DX020_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-078-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.45	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	2.52	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.49	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.57	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	4.70	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.05	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JB	1.82	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.89	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.69	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.134	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.812	1.10	PQL	ng/Kg	
SL-083-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HxCDD	JB	3.49	5.42	PQL	ng/Kg	J (all detects)
SL-084-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.04	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	1.97	5.47	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.01	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	3.90	5.47	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.28	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	4.33	5.47	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.379	5.47	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.883	5.47	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.257	5.47	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.75	5.47	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.239	5.47	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.104	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.114	1.09	PQL	ng/Kg	
SL-086-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.22	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.219	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0913	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.260	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.110	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JBQ	0.0998	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.152	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0780	5.31	PQL	ng/Kg	
	OCDF	JB	3.30	10.6	PQL	ng/Kg	
SL-089-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HxCDD	JB	0.383	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	2.30	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.755	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	1.04	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JBQ	0.132	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.848	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.285	5.36	PQL	ng/Kg	
SL-092-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.82	5.63	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.724	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0722	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDD	JBQ	0.170	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0894	5.63	PQL	ng/Kg	
	OCDF	JB	1.54	11.3	PQL	ng/Kg	
SL-103-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JBQ	1.86	5.63	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.363	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.145	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDD	JBQ	0.221	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.142	5.63	PQL	ng/Kg	
	OCDF	JB	0.798	11.3	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX020 **Laboratory: LL**

EDD Filename: DX020_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-139-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.794	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.492	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.16	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	1.32	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.06	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.936	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.862	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.695	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.892	5.69	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.800	1.14	PQL	ng/Kg	
SL-236-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JBQ	4.74	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.767	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.524	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	1.14	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	1.21	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.810	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.917	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.595	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.457	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.695	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	1.82	5.31	PQL	ng/Kg	
	OCDF	JB	9.75	10.6	PQL	ng/Kg	
SL-301-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	3.98	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	2.77	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	3.63	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	3.15	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	1.07	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	3.84	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.78	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	3.89	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.205	1.10	PQL	ng/Kg	

LDC #: 25550121

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

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

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

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

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

#	Date	Compound	Finding	Associated Samples	Qualifications
		OCDD	> calibration range	DUP04-SA5B-QC-121310	J det / P
		↓	↓	SL-071-SA5B-SS-0.0-0.5	↓
				-083- → → →	
				-089- → → →	

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX021

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
13-Dec-2010	SL-075-SA5B-SS-0.0-0.5	6163903	N	METHOD	1613B	III
13-Dec-2010	SL-006-SA5C-SB-4.0-5.0	6163897	N	METHOD	1613B	III
13-Dec-2010	SL-006-SA5C-SB-4.0-5.0MS	6163898	MS	METHOD	1613B	III
13-Dec-2010	SL-006-SA5C-SB-4.0-5.0MSD	6163899	MSD	METHOD	1613B	III
13-Dec-2010	SL-006-SA5C-SB-9.0-10.0	6163895	N	METHOD	1613B	III
13-Dec-2010	SL-077-SA5B-SS-0.0-0.5	6163904	N	METHOD	1613B	III
13-Dec-2010	DUP13-SA5C-QC-121310	6163896	FD	METHOD	1613B	III
13-Dec-2010	SL-007-SA5C-SB-4.0-5.0	6163901	N	METHOD	1613B	III
13-Dec-2010	SL-007-SA5C-SB-9.0-10.0	6163902	N	METHOD	1613B	III
13-Dec-2010	EB15-SA5B-121310	6163900	EB	METHOD	1613B	III
13-Dec-2010	SL-087-SA5B-SS-0.0-0.5	6163906	N	METHOD	1613B	III
13-Dec-2010	SL-085-SA5B-SS-0.0-0.5	6163905	N	METHOD	1613B	III
13-Dec-2010	SL-003-SA5C-SB-4.0-5.0	6163909	N	METHOD	1613B	III
13-Dec-2010	SL-095-SA5B-SS-0.0-0.5	6163907	N	METHOD	1613B	III
13-Dec-2010	SED-032-SIV-SD-0.0-0.5	6163912	N	METHOD	1613B	III
13-Dec-2010	SL-091-SA5B-SS-0.0-0.5	6163908	N	METHOD	1613B	III
13-Dec-2010	SED-033-SIV-SD-0.0-0.5	6163913	N	METHOD	1613B	III
13-Dec-2010	SL-001-SA5C-SB-4.0-5.0	6163910	N	METHOD	1613B	III
13-Dec-2010	SL-001-SA5C-SB-9.0-10.0	6163911	N	METHOD	1613B	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX021 Laboratory: LL

EDD Filename: DX021_v1. eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** AQ

Sample ID: EB15-SA5B-121310 *Collected:* 12/13/2010 12:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.77	JBQ	0.456	MDL	11.5	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	3.04	JB	0.258	MDL	11.5	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.663	JB	0.290	MDL	11.5	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.514	JB	0.440	MDL	11.5	PQL	pg/L	UJ	B, I
1,2,3,4,7,8-HXCDF	1.09	JBQ	0.295	MDL	11.5	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	1.01	JB	0.449	MDL	11.5	PQL	pg/L	UJ	B, I
1,2,3,6,7,8-HXCDF	0.846	JBQ	0.280	MDL	11.5	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.622	JB	0.496	MDL	11.5	PQL	pg/L	UJ	B, I
1,2,3,7,8,9-HXCDF	0.654	JB	0.304	MDL	11.5	PQL	pg/L	U	B
1,2,3,7,8-PECDD	2.02	JB	1.28	MDL	11.5	PQL	pg/L	UJ	B, I
1,2,3,7,8-PECDF	0.591	JB	0.334	MDL	11.5	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	1.13	JB	0.272	MDL	11.5	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.623	JB	0.289	MDL	11.5	PQL	pg/L	U	B
2,3,7,8-TCDD	3.48	U	3.48	MDL	3.48	PQL	pg/L	UJ	I
OCDD	7.38	JB	0.505	MDL	23.0	PQL	pg/L	U	B
OCDF	1.71	JB	0.506	MDL	23.0	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: DUP13-SA5C-QC-121310 *Collected:* 12/13/2010 10:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.03	JB	0.0240	MDL	5.73	PQL	ng/Kg	J	Z, FD
1,2,3,4,6,7,8-HPCDF	0.677	JB	0.0109	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.139	JBQ	0.0231	MDL	5.73	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0401	JBQ	0.0172	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.160	JB	0.0174	MDL	5.73	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDD	0.287	JB	0.0173	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.115	JBQ	0.0138	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.447	JB	0.0174	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.512	JB	0.0242	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0649	JBQ	0.0263	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.334	JBQ	0.00952	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.237	JBQ	0.0162	MDL	5.73	PQL	ng/Kg	J	Z, FD

Data Qualifier Summary

Lab Reporting Batch ID: DX021 **Laboratory: LL**

EDD Filename: DX021_v1. **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: DUP13-SA5C-QC-121310 *Collected:* 12/13/2010 10:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.143	JBQ	0.0106	MDL	5.73	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0165	U	0.0165	MDL	1.15	PQL	ng/Kg	UJ	FD
2,3,7,8-TCDF	0.0368	JB	0.0216	MDL	1.15	PQL	ng/Kg	U	B
OCDD	8.45	JB	0.0242	MDL	11.5	PQL	ng/Kg	J	Z, FD
OCDF	0.898	JBQ	0.0275	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SED-032-SIV-SD-0.0-0.5 *Collected:* 12/13/2010 2:57:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.13	JB	0.0370	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.86	JB	0.0334	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.19	JB	0.0302	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	4.48	JB	0.0348	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.12	JB	0.0270	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.68	JB	0.0344	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.369	JB	0.0360	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.40	JB	0.0530	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.11	JB	0.0222	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.46	JB	0.0289	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.23	JB	0.0214	MDL	5.72	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.228	JB	0.0289	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.556	JBQ	0.0564	MDL	1.14	PQL	ng/Kg	J	Z

Sample ID: SED-033-SIV-SD-0.0-0.5 *Collected:* 12/13/2010 3:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.643	JB	0.0398	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.21	JB	0.0339	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.741	JB	0.0300	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.48	JB	0.0356	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.799	JB	0.0274	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.01	JB	0.0350	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.217	JB	0.0343	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.874	JBQ	0.0525	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.460	JB	0.0242	MDL	5.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.07	JB	0.0290	MDL	5.31	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX021 **Laboratory:** LL

EDD Filename: DX021_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-033-SIV-SD-0.0-0.5 ***Collected:*** 12/13/2010 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
2,3,4,7,8-PECDF	0.628	JBQ	0.0228	MDL	5.31	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.103	JBQ	0.0315	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.227	JB	0.0502	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-001-SA5C-SB-4.0-5.0 ***Collected:*** 12/13/2010 4:08:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.461	JB	0.0250	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.790	JB	0.0133	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0998	JB	0.0221	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0327	JB	0.0182	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.155	JBQ	0.0175	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.117	JBQ	0.0191	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.150	JB	0.0158	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.139	JB	0.0191	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.110	JB	0.0228	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0412	JBQ	0.0101	MDL	5.36	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.225	JB	0.0170	MDL	5.36	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.136	JB	0.0103	MDL	5.36	PQL	ng/Kg	U	B
OCDD	1.36	JB	0.0345	MDL	10.7	PQL	ng/Kg	U	B
OCDF	0.515	JB	0.0259	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-001-SA5C-SB-9.0-10.0 ***Collected:*** 12/13/2010 4:16:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.665	JB	0.0272	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.892	JB	0.0112	MDL	6.02	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.148	JB	0.0200	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0352	JBQ	0.0178	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.169	JB	0.0170	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0810	JBQ	0.0184	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.133	JB	0.0139	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0829	JBQ	0.0173	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.140	JB	0.0196	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0381	JBQ	0.0261	MDL	6.02	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0615	JB	0.0111	MDL	6.02	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX021 **Laboratory:** LL

EDD Filename: DX021_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-001-SA5C-SB-9.0-10.0 ***Collected:*** 12/13/2010 4:16:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.282	JB	0.0159	MDL	6.02	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.144	JB	0.0117	MDL	6.02	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0215	JB	0.0175	MDL	1.20	PQL	ng/Kg	U	B
OCDD	4.85	JB	0.0306	MDL	12.0	PQL	ng/Kg	J	Z
OCDF	0.700	JB	0.0295	MDL	12.0	PQL	ng/Kg	U	B

Sample ID: SL-003-SA5C-SB-4.0-5.0 ***Collected:*** 12/13/2010 2:37:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.96	JB	0.0161	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.212	JB	0.0240	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0843	JB	0.0298	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.231	JB	0.0204	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.358	JB	0.0297	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.187	JB	0.0179	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.270	JB	0.0281	MDL	5.39	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.161	JB	0.0219	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0932	JB	0.0265	MDL	5.39	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0899	JBQ	0.0120	MDL	5.39	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.303	JB	0.0184	MDL	5.39	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.296	JB	0.0145	MDL	5.39	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0234	JB	0.0189	MDL	1.08	PQL	ng/Kg	U	B
OCDF	3.36	JB	0.0278	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-006-SA5C-SB-4.0-5.0 ***Collected:*** 12/13/2010 9:45:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.54	JB	0.0331	MDL	5.64	PQL	ng/Kg	J	Z, FD
1,2,3,4,6,7,8-HPCDF	0.428	JB	0.0140	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0739	JBQ	0.0249	MDL	5.64	PQL	ng/Kg	UJ	B, FD
1,2,3,4,7,8-HxCDD	0.0294	JBQ	0.0219	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0520	JB	0.0181	MDL	5.64	PQL	ng/Kg	UJ	B, FD
1,2,3,6,7,8-HXCDD	0.362	JB	0.0227	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0857	JB	0.0166	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.510	JBQ	0.0223	MDL	5.64	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.445	JB	0.0220	MDL	5.64	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX021 **Laboratory: LL**

EDD Filename: DX021_v1. **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: **SL-006-SA5C-SB-4.0-5.0** ***Collected:*** **12/13/2010 9:45:00** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.0742	JB	0.0274	MDL	5.64	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.294	JB	0.0125	MDL	5.64	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0838	JBQ	0.0170	MDL	5.64	PQL	ng/Kg	UJ	B, FD
2,3,4,7,8-PECDF	0.100	JBQ	0.0120	MDL	5.64	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0249	JBQ	0.0191	MDL	1.13	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDF	0.0498	JBQ	0.0242	MDL	1.13	PQL	ng/Kg	U	B
OCDD	25.4	B	0.0332	MDL	11.3	PQL	ng/Kg	J	Q, FD
OCDF	0.999	JB	0.0328	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: **SL-006-SA5C-SB-9.0-10.0** ***Collected:*** **12/13/2010 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	5.23	JB	0.0326	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.955	JB	0.0101	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.145	JB	0.0186	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0471	JBQ	0.0176	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.163	JB	0.0132	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.204	JB	0.0182	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.143	JB	0.0107	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.197	JB	0.0174	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0937	JB	0.0159	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0346	JBQ	0.0166	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0757	JB	0.00773	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.241	JB	0.0124	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.137	JBQ	0.00784	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0321	JBQ	0.0144	MDL	1.09	PQL	ng/Kg	U	B
OCDF	1.53	JB	0.0236	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: **SL-007-SA5C-SB-4.0-5.0** ***Collected:*** **12/13/2010 12:14:00** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.17	JB	0.0161	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.246	JB	0.0285	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.112	JB	0.0271	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.177	JB	0.0220	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.321	JBQ	0.0283	MDL	5.44	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX021 **Laboratory:** LL

EDD Filename: DX021_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-007-SA5C-SB-4.0-5.0 ***Collected:*** 12/13/2010 12:14:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.135	JBQ	0.0183	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.285	JB	0.0271	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.231	JB	0.0260	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0864	JBQ	0.0310	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.164	JBQ	0.0150	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.247	JBQ	0.0212	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.241	JBQ	0.0159	MDL	5.44	PQL	ng/Kg	U	B
OCDF	2.06	JB	0.0337	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-007-SA5C-SB-9.0-10.0 ***Collected:*** 12/13/2010 12:14:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.71	JB	0.0163	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.194	JB	0.0227	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.126	JB	0.0326	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.116	JB	0.0216	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.557	JB	0.0347	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.128	JB	0.0195	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.353	JB	0.0331	MDL	5.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.170	JBQ	0.0240	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.119	JBQ	0.0322	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0980	JB	0.0144	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.162	JB	0.0206	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.144	JB	0.0139	MDL	5.51	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0237	JBQ	0.0225	MDL	1.10	PQL	ng/Kg	U	B
OCDF	4.77	JB	0.0316	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-075-SA5B-SS-0.0-0.5 ***Collected:*** 12/13/2010 9:03:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.847	JB	0.0361	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.909	JB	0.0286	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.629	JB	0.0263	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.30	JB	0.0291	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.613	JB	0.0232	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.31	JB	0.0298	MDL	5.32	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX021 **Laboratory:** LL

EDD Filename: DX021_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-075-SA5B-SS-0.0-0.5 **Collected:** 12/13/2010 9:03:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.467	JB	0.0317	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.518	JB	0.0419	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.378	JB	0.0142	MDL	5.32	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.706	JB	0.0258	MDL	5.32	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.435	JB	0.0145	MDL	5.32	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0679	JBQ	0.0182	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.214	JB	0.0339	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-077-SA5B-SS-0.0-0.5 **Collected:** 12/13/2010 10:04:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.96	JB	0.0167	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.478	JB	0.0318	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.443	JB	0.0297	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.378	JB	0.0250	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.946	JB	0.0310	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.373	JB	0.0202	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.884	JB	0.0301	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.236	JB	0.0322	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.290	JB	0.0311	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.247	JB	0.0121	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.501	JB	0.0237	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.329	JB	0.0135	MDL	5.38	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0969	JB	0.0178	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.220	JB	0.0263	MDL	1.08	PQL	ng/Kg	J	Z
OCDF	7.92	JB	0.0316	MDL	10.8	PQL	ng/Kg	J	Z

Sample ID: SL-085-SA5B-SS-0.0-0.5 **Collected:** 12/13/2010 1:35:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.641	JB	0.0417	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.301	JBQ	0.0415	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.720	JB	0.0294	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.32	JB	0.0437	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.939	JB	0.0270	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.836	JB	0.0432	MDL	5.36	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX021 **Laboratory:** LL

EDD Filename: DX021_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-085-SA5B-SS-0.0-0.5 ***Collected:*** 12/13/2010 1:35:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.353	JB	0.0331	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.208	JB	0.0683	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.774	JB	0.0205	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.544	JB	0.0278	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.517	JB	0.0200	MDL	5.36	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0844	JBQ	0.0232	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.197	JB	0.0430	MDL	1.07	PQL	ng/Kg	J	Z

Sample ID: SL-087-SA5B-SS-0.0-0.5 ***Collected:*** 12/13/2010 1:17:00 ***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	4.08	JB	0.0553	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.527	JBQ	0.0763	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.163	JBQ	0.0416	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.462	JB	0.0252	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.983	JB	0.0426	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.319	JB	0.0236	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.485	JB	0.0414	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.223	JB	0.0289	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0840	JB	0.0467	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.489	JB	0.0191	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.426	JB	0.0249	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.386	JB	0.0183	MDL	5.46	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0365	JB	0.0227	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.196	JB	0.0366	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	10.4	JB	0.0502	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-091-SA5B-SS-0.0-0.5 ***Collected:*** 12/13/2010 3:10:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.16	JB	0.0349	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.430	JBQ	0.0474	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.169	JB	0.0264	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.354	JB	0.0205	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.766	JB	0.0269	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.317	JB	0.0311	MDL	5.44	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX021 **Laboratory:** LL

EDD Filename: DX021_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-091-SA5B-SS-0.0-0.5 **Collected:** 12/13/2010 3:10:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	0.414	JB	0.0237	MDL	5.44	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.212	JB	0.0210	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.344	JBQ	0.0137	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.438	JBQ	0.0185	MDL	5.44	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.333	JB	0.0115	MDL	5.44	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0431	JBQ	0.0108	MDL	1.09	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.198	JB	0.0229	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	5.66	JB	0.0266	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-095-SA5B-SS-0.0-0.5 **Collected:** 12/13/2010 2:40:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.995	JBQ	0.0846	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.492	JBQ	0.0721	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.509	JB	0.0508	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.84	JB	0.0747	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.603	JB	0.0458	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.04	JB	0.0712	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.532	JB	0.0553	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.369	JBQ	0.0901	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.515	JB	0.0322	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.632	JB	0.0492	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.503	JB	0.0312	MDL	5.26	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.282	JB	0.0499	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.146	JBQ	0.0601	MDL	1.05	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX021 **Laboratory: LL**

EDD Filename: DX021_v1. **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

Data Qualifier Summary

Lab Reporting Batch ID: DX021 **Laboratory: LL**

EDD Filename: DX021_v1. **eQAPP Name: CDM_SSFL_110509**

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

Data Qualifier Summary

Lab Reporting Batch ID: DX021 **Laboratory: LL**

EDD Filename: DX021_v1. **eQAPP Name: CDM_SSFL_110509**

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

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control Outlier Reports

DX021

Method Blank Outlier Report

Lab Reporting Batch ID: DX021 Laboratory: LL

EDD Filename: DX021_v1. eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371629	12/30/2010 4:29:00 PM	1,2,3,4,6,7,8-HPCDD	1.35 pg/L	EB15-SA5B-121310
		1,2,3,4,6,7,8-HPCDF	1.41 pg/L	
		1,2,3,4,7,8,9-HPCDF	0.582 pg/L	
		1,2,3,4,7,8-HxCDD	0.485 pg/L	
		1,2,3,4,7,8-HXCDF	0.599 pg/L	
		1,2,3,6,7,8-HXCDD	0.512 pg/L	
		1,2,3,6,7,8-HXCDF	0.568 pg/L	
		1,2,3,7,8,9-HXCDD	0.483 pg/L	
		1,2,3,7,8,9-HXCDF	0.637 pg/L	
		1,2,3,7,8-PECDD	0.684 pg/L	
		1,2,3,7,8-PECDF	0.474 pg/L	
		2,3,4,6,7,8-HXCDF	0.505 pg/L	
		2,3,4,7,8-PECDF	0.810 pg/L	
		2,3,7,8-TCDD	2.81 pg/L	
		2,3,7,8-TCDF	0.181 pg/L	
		OCDD	2.39 pg/L	
		OCDF	1.43 pg/L	

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB15-SA5B-121310(RES)	1,2,3,4,6,7,8-HPCDD	1.77 pg/L	1.77U pg/L
EB15-SA5B-121310(RES)	1,2,3,4,6,7,8-HPCDF	3.04 pg/L	3.04U pg/L
EB15-SA5B-121310(RES)	1,2,3,4,7,8,9-HPCDF	0.663 pg/L	0.663U pg/L
EB15-SA5B-121310(RES)	1,2,3,4,7,8-HxCDD	0.514 pg/L	0.514U pg/L
EB15-SA5B-121310(RES)	1,2,3,4,7,8-HXCDF	1.09 pg/L	1.09U pg/L
EB15-SA5B-121310(RES)	1,2,3,6,7,8-HXCDD	1.01 pg/L	1.01U pg/L
EB15-SA5B-121310(RES)	1,2,3,6,7,8-HXCDF	0.846 pg/L	0.846U pg/L
EB15-SA5B-121310(RES)	1,2,3,7,8,9-HXCDD	0.622 pg/L	0.622U pg/L
EB15-SA5B-121310(RES)	1,2,3,7,8,9-HXCDF	0.654 pg/L	0.654U pg/L
EB15-SA5B-121310(RES)	1,2,3,7,8-PECDD	2.02 pg/L	2.02U pg/L
EB15-SA5B-121310(RES)	1,2,3,7,8-PECDF	0.591 pg/L	0.591U pg/L
EB15-SA5B-121310(RES)	2,3,4,6,7,8-HXCDF	1.13 pg/L	1.13U pg/L
EB15-SA5B-121310(RES)	2,3,4,7,8-PECDF	0.623 pg/L	0.623U pg/L
EB15-SA5B-121310(RES)	OCDD	7.38 pg/L	7.38U pg/L
EB15-SA5B-121310(RES)	OCDF	1.71 pg/L	1.71U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX021 **Laboratory: LL**

EDD Filename: DX021_v1. **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371514	1/14/2011 3:14:00 PM	1,2,3,4,6,7,8-HPCDD	0.136 ng/Kg	DUP13-SA5C-QC-121310
		1,2,3,4,6,7,8-HPCDF	0.123 ng/Kg	SED-032-SIV-SD-0.0-0.5
		1,2,3,4,7,8,9-HPCDF	0.0507 ng/Kg	SED-033-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HxCDD	0.0185 ng/Kg	SL-001-SA5C-SB-4.0-5.0
		1,2,3,4,7,8-HXCDF	0.0503 ng/Kg	SL-001-SA5C-SB-9.0-10.0
		1,2,3,6,7,8-HXCDD	0.0227 ng/Kg	SL-003-SA5C-SB-4.0-5.0
		1,2,3,6,7,8-HXCDF	0.0334 ng/Kg	SL-006-SA5C-SB-4.0-5.0
		1,2,3,7,8,9-HXCDD	0.0268 ng/Kg	SL-006-SA5C-SB-9.0-10.0
		1,2,3,7,8,9-HXCDF	0.0604 ng/Kg	SL-007-SA5C-SB-4.0-5.0
		1,2,3,7,8-PECDD	0.0278 ng/Kg	SL-007-SA5C-SB-9.0-10.0
		1,2,3,7,8-PECDF	0.0340 ng/Kg	SL-075-SA5B-SS-0.0-0.5
		2,3,4,6,7,8-HXCDF	0.0453 ng/Kg	SL-077-SA5B-SS-0.0-0.5
		2,3,4,7,8-PECDF	0.0647 ng/Kg	SL-085-SA5B-SS-0.0-0.5
		2,3,7,8-TCDD	0.0150 ng/Kg	SL-087-SA5B-SS-0.0-0.5
		2,3,7,8-TCDF	0.0289 ng/Kg	SL-091-SA5B-SS-0.0-0.5
		OCDD	0.342 ng/Kg	SL-095-SA5B-SS-0.0-0.5
		OCDF	0.248 ng/Kg	

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP13-SA5C-QC-121310(RES)	1,2,3,4,7,8,9-HPCDF	0.139 ng/Kg	0.139U ng/Kg
DUP13-SA5C-QC-121310(RES)	1,2,3,4,7,8-HxCDD	0.0401 ng/Kg	0.0401U ng/Kg
DUP13-SA5C-QC-121310(RES)	1,2,3,4,7,8-HXCDF	0.160 ng/Kg	0.160U ng/Kg
DUP13-SA5C-QC-121310(RES)	1,2,3,6,7,8-HXCDF	0.115 ng/Kg	0.115U ng/Kg
DUP13-SA5C-QC-121310(RES)	1,2,3,7,8-PECDD	0.0649 ng/Kg	0.0649U ng/Kg
DUP13-SA5C-QC-121310(RES)	2,3,4,7,8-PECDF	0.143 ng/Kg	0.143U ng/Kg
DUP13-SA5C-QC-121310(RES)	2,3,7,8-TCDF	0.0368 ng/Kg	0.0368U ng/Kg
DUP13-SA5C-QC-121310(RES)	OCDF	0.898 ng/Kg	0.898U ng/Kg
SED-033-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.217 ng/Kg	0.217U ng/Kg
SL-001-SA5C-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.461 ng/Kg	0.461U ng/Kg
SL-001-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0998 ng/Kg	0.0998U ng/Kg
SL-001-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0327 ng/Kg	0.0327U ng/Kg
SL-001-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.155 ng/Kg	0.155U ng/Kg
SL-001-SA5C-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.150 ng/Kg	0.150U ng/Kg
SL-001-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.110 ng/Kg	0.110U ng/Kg
SL-001-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0412 ng/Kg	0.0412U ng/Kg
SL-001-SA5C-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.225 ng/Kg	0.225U ng/Kg
SL-001-SA5C-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.136 ng/Kg	0.136U ng/Kg
SL-001-SA5C-SB-4.0-5.0(RES)	OCDD	1.36 ng/Kg	1.36U ng/Kg
SL-001-SA5C-SB-4.0-5.0(RES)	OCDF	0.515 ng/Kg	0.515U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.665 ng/Kg	0.665U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.148 ng/Kg	0.148U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0352 ng/Kg	0.0352U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.169 ng/Kg	0.169U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0810 ng/Kg	0.0810U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.133 ng/Kg	0.133U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0829 ng/Kg	0.0829U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.140 ng/Kg	0.140U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0381 ng/Kg	0.0381U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX021 Laboratory: LL

EDD Filename: DX021_v1. eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-001-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0615 ng/Kg	0.0615U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.144 ng/Kg	0.144U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0215 ng/Kg	0.0215U ng/Kg
SL-001-SA5C-SB-9.0-10.0(RES)	OCDF	0.700 ng/Kg	0.700U ng/Kg
SL-003-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.212 ng/Kg	0.212U ng/Kg
SL-003-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0843 ng/Kg	0.0843U ng/Kg
SL-003-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.231 ng/Kg	0.231U ng/Kg
SL-003-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.161 ng/Kg	0.161U ng/Kg
SL-003-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0932 ng/Kg	0.0932U ng/Kg
SL-003-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0899 ng/Kg	0.0899U ng/Kg
SL-003-SA5C-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.296 ng/Kg	0.296U ng/Kg
SL-003-SA5C-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0234 ng/Kg	0.0234U ng/Kg
SL-006-SA5C-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.428 ng/Kg	0.428U ng/Kg
SL-006-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0739 ng/Kg	0.0739U ng/Kg
SL-006-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0294 ng/Kg	0.0294U ng/Kg
SL-006-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0520 ng/Kg	0.0520U ng/Kg
SL-006-SA5C-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0857 ng/Kg	0.0857U ng/Kg
SL-006-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0742 ng/Kg	0.0742U ng/Kg
SL-006-SA5C-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0838 ng/Kg	0.0838U ng/Kg
SL-006-SA5C-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.100 ng/Kg	0.100U ng/Kg
SL-006-SA5C-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0249 ng/Kg	0.0249U ng/Kg
SL-006-SA5C-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0498 ng/Kg	0.0498U ng/Kg
SL-006-SA5C-SB-4.0-5.0(RES)	OCDF	0.999 ng/Kg	0.999U ng/Kg
SL-006-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.145 ng/Kg	0.145U ng/Kg
SL-006-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0471 ng/Kg	0.0471U ng/Kg
SL-006-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.163 ng/Kg	0.163U ng/Kg
SL-006-SA5C-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.143 ng/Kg	0.143U ng/Kg
SL-006-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0937 ng/Kg	0.0937U ng/Kg
SL-006-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0346 ng/Kg	0.0346U ng/Kg
SL-006-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0757 ng/Kg	0.0757U ng/Kg
SL-006-SA5C-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.137 ng/Kg	0.137U ng/Kg
SL-006-SA5C-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0321 ng/Kg	0.0321U ng/Kg
SL-007-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.246 ng/Kg	0.246U ng/Kg
SL-007-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.177 ng/Kg	0.177U ng/Kg
SL-007-SA5C-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.135 ng/Kg	0.135U ng/Kg
SL-007-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.231 ng/Kg	0.231U ng/Kg
SL-007-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0864 ng/Kg	0.0864U ng/Kg
SL-007-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.164 ng/Kg	0.164U ng/Kg
SL-007-SA5C-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.241 ng/Kg	0.241U ng/Kg
SL-007-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.194 ng/Kg	0.194U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX021 Laboratory: LL

EDD Filename: DX021_v1. eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-007-SA5C-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.116 ng/Kg	0.116U ng/Kg
SL-007-SA5C-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.128 ng/Kg	0.128U ng/Kg
SL-007-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.170 ng/Kg	0.170U ng/Kg
SL-007-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.119 ng/Kg	0.119U ng/Kg
SL-007-SA5C-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0980 ng/Kg	0.0980U ng/Kg
SL-007-SA5C-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.162 ng/Kg	0.162U ng/Kg
SL-007-SA5C-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.144 ng/Kg	0.144U ng/Kg
SL-007-SA5C-SB-9.0-10.0(RES)	2,3,7,8-TCDD	0.0237 ng/Kg	0.0237U ng/Kg
SL-075-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0679 ng/Kg	0.0679U ng/Kg
SL-077-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.236 ng/Kg	0.236U ng/Kg
SL-087-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.223 ng/Kg	0.223U ng/Kg
SL-087-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0840 ng/Kg	0.0840U ng/Kg
SL-087-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0365 ng/Kg	0.0365U ng/Kg
SL-091-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.212 ng/Kg	0.212U ng/Kg
SL-091-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0431 ng/Kg	0.0431U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX021 Laboratory: LL

EDD Filename: DX021_v1. eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
SL-006-SA5C-SB-4.0-5.0MSD (SL-006-SA5C-SB-4.0-5.0)	OCDD	-	-	40.00-135.00	23 (20.00)	OCDD	J (all detects)

Internal Standard Outlier Report

Lab Reporting Batch ID: DX021 Laboratory: LL

EDD Filename: DX021_v1. eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Sample ID	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
EB15-SA5B-121310	13C-1,2,7,8-TCDD (CRS) 13C-2,3,7,8-TCDD	9 3	35.00-197.00 25.00-164.00	2,3,7,8-TCDD	J (all detects) UJ(all non-detects)
EB15-SA5B-121310	13C-1,2,3,4,7,8-HxCDD 13C-1,2,3,6,7,8-HxCDD 13C-1,2,3,7,8,9-HxCDD 13C-1,2,3,7,8-PeCDD	24 23 21 15	32.00-141.00 28.00-130.00 28.00-130.00 25.00-181.00	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-PeCDD	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX021

Laboratory: LL

EDD Filename: DX021_v1.

eQAPP Name: CDM_SSFL_110509

Method: 160.3M
Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-006-SA5C-SB-4.0-5.0	DUP13-SA5C-QC-121310			
MOISTURE	11.4	12.8	12		No Qualifiers Applied

Method: 1613B
Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-006-SA5C-SB-4.0-5.0	DUP13-SA5C-QC-121310			
1,2,3,4,6,7,8-HPCDF	0.428	0.677	45	50.00	
1,2,3,4,7,8-HxCDD	0.0294	0.0401	31	50.00	
1,2,3,6,7,8-HXCDD	0.362	0.287	23	50.00	
1,2,3,6,7,8-HXCDF	0.0857	0.115	29	50.00	
1,2,3,7,8,9-HXCDD	0.510	0.447	13	50.00	
1,2,3,7,8,9-HXCDF	0.445	0.512	14	50.00	No Qualifiers Applied
1,2,3,7,8-PECDD	0.0742	0.0649	13	50.00	
1,2,3,7,8-PECDF	0.294	0.334	13	50.00	
2,3,4,7,8-PECDF	0.100	0.143	35	50.00	
2,3,7,8-TCDF	0.0498	0.0368	30	50.00	
OCDF	0.999	0.898	11	50.00	
1,2,3,4,6,7,8-HPCDD	2.54	1.03	85	50.00	
1,2,3,4,7,8,9-HPCDF	0.0739	0.139	61	50.00	
1,2,3,4,7,8-HXCDF	0.0520	0.160	102	50.00	J(all detects)
2,3,4,6,7,8-HXCDF	0.0838	0.237	96	50.00	UJ(all non-detects)
2,3,7,8-TCDD	0.0249	1.15 U	200	50.00	
OCDD	25.4	8.45	100	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX021 Laboratory: LL

EDD Filename: DX021_v1. eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB15-SA5B-121310	1,2,3,4,6,7,8-HPCDD	JBQ	1.77	11.5	PQL	pg/L	
	1,2,3,4,6,7,8-HPCDF	JB	3.04	11.5	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.663	11.5	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JB	0.514	11.5	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	1.09	11.5	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JB	1.01	11.5	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.846	11.5	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JB	0.622	11.5	PQL	pg/L	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.654	11.5	PQL	pg/L	
	1,2,3,7,8-PECDD	JB	2.02	11.5	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	0.591	11.5	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	1.13	11.5	PQL	pg/L	
	2,3,4,7,8-PECDF	JB	0.623	11.5	PQL	pg/L	
	OCDD	JB	7.38	23.0	PQL	pg/L	
	OCDF	JB	1.71	23.0	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP13-SA5C-QC-121310	1,2,3,4,6,7,8-HPCDD	JB	1.03	5.73	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.677	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.139	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0401	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.160	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.287	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.115	5.73	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.447	5.73	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.512	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0649	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.334	5.73	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.237	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.143	5.73	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0368	1.15	PQL	ng/Kg	
	OCDD	JB	8.45	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.898	11.5	PQL	ng/Kg	
SED-032-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.13	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	1.86	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.19	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	4.48	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.12	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	3.68	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.369	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	1.40	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.11	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.46	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.23	5.72	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.228	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.556	1.14	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX021 **Laboratory: LL**

EDD Filename: DX021_v1. **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-033-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.643	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	1.21	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.741	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.48	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.799	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.01	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.217	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.874	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.460	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.07	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.628	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.103	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.227	1.06	PQL	ng/Kg	
SL-001-SA5C-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.461	5.36	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.790	5.36	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0998	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0327	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.155	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.117	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.150	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.139	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.110	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0412	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.225	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.136	5.36	PQL	ng/Kg	
	OCDD	JB	1.36	10.7	PQL	ng/Kg	
	OCDF	JB	0.515	10.7	PQL	ng/Kg	
SL-001-SA5C-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.665	6.02	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.892	6.02	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.148	6.02	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0352	6.02	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.169	6.02	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0810	6.02	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.133	6.02	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0829	6.02	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.140	6.02	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.0381	6.02	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0615	6.02	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.282	6.02	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.144	6.02	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0215	1.20	PQL	ng/Kg	
	OCDD	JB	4.85	12.0	PQL	ng/Kg	
	OCDF	JB	0.700	12.0	PQL	ng/Kg	
SL-003-SA5C-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.96	5.39	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.212	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0843	5.39	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.231	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.358	5.39	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.187	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.270	5.39	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.161	5.39	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.0932	5.39	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0899	5.39	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.303	5.39	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.296	5.39	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0234	1.08	PQL	ng/Kg	
	OCDF	JB	3.36	10.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX021 **Laboratory: LL**

EDD Filename: DX021_v1. **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-006-SA5C-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	2.54	5.64	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.428	5.64	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0739	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0294	5.64	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0520	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.362	5.64	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0857	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.510	5.64	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.445	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.0742	5.64	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.294	5.64	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0838	5.64	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.100	5.64	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0249	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0498	1.13	PQL	ng/Kg	
	OCDF	JB	0.999	11.3	PQL	ng/Kg	
SL-006-SA5C-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	5.23	5.45	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.955	5.45	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.145	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0471	5.45	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.163	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.204	5.45	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.143	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.197	5.45	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0937	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0346	5.45	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0757	5.45	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.241	5.45	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.137	5.45	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0321	1.09	PQL	ng/Kg	
	OCDF	JB	1.53	10.9	PQL	ng/Kg	
SL-007-SA5C-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDF	JB	1.17	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.246	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.112	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.177	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.321	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.135	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.285	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.231	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0864	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.164	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.247	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.241	5.44	PQL	ng/Kg	
	OCDF	JB	2.06	10.9	PQL	ng/Kg	
SL-007-SA5C-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDF	JB	1.71	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.194	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.126	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.116	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.557	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.128	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.353	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.170	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.119	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0980	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.162	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.144	5.51	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0237	1.10	PQL	ng/Kg	
	OCDF	JB	4.77	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX021 **Laboratory: LL**

EDD Filename: DX021_v1. **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-075-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.847	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.909	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.629	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.30	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.613	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.31	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.467	5.32	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.518	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.378	5.32	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.706	5.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.435	5.32	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0679	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.214	1.06	PQL	ng/Kg	
SL-077-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.96	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.478	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.443	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.378	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.946	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.373	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.884	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.236	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.290	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.247	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.501	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.329	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0969	1.08	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.220	1.08	PQL	ng/Kg	
	OCDF	JB	7.92	10.8	PQL	ng/Kg	
SL-085-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.641	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.301	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.720	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.32	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.939	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.836	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.353	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.208	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.774	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.544	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.517	5.36	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0844	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.197	1.07	PQL	ng/Kg	
SL-087-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.08	5.46	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.527	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.163	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.462	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.983	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.319	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.485	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.223	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.0840	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.489	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.426	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.386	5.46	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0365	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.196	1.09	PQL	ng/Kg	
	OCDF	JB	10.4	10.9	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX021 **Laboratory: LL**

EDD Filename: DX021_v1. **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
SL-091-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.16	5.44	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.430	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.169	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.354	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.766	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.317	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.414	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.212	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.344	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.438	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.333	5.44	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0431	1.09	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.198	1.09	PQL	ng/Kg	
	OCDF	JB	5.66	10.9	PQL	ng/Kg	
SL-095-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JBQ	0.995	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.492	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.509	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.84	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.603	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.04	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.532	5.26	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.369	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.515	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.632	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.503	5.26	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.282	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.146	1.05	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX022

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
14-Dec-2010	SL-119-SA5B-SS-0.0-0.5	6164649	N	METHOD	1613B	III
14-Dec-2010	SL-105-SA5B-SS-0.0-0.5	6164655	N	METHOD	1613B	III
14-Dec-2010	SL-120-SA5B-SS-0.0-0.5	6164645	N	METHOD	1613B	III
14-Dec-2010	SL-120-SA5B-SS-0.0-0.5MS	6164646	MS	METHOD	1613B	III
14-Dec-2010	SL-120-SA5B-SS-0.0-0.5MSD	6164647	MSD	METHOD	1613B	III
14-Dec-2010	DUP05-SA5B-QC-121410	6164644	FD	METHOD	1613B	III
14-Dec-2010	SL-108-SA5B-SS-0.0-0.5	6164648	N	METHOD	1613B	III
14-Dec-2010	SL-109-SA5B-SS-0.0-0.5	6164651	N	METHOD	1613B	III
14-Dec-2010	SL-121-SA5B-SS-0.0-0.5	6164653	N	METHOD	1613B	III
14-Dec-2010	SL-054-SA5B-SS-0.0-0.5	6164654	N	METHOD	1613B	III
14-Dec-2010	SL-240-SA5B-SS-0.0-0.5	6164650	N	METHOD	1613B	III
14-Dec-2010	SL-122-SA5B-SS-0.0-0.5	6164652	N	METHOD	1613B	III
14-Dec-2010	SL-123-SA5B-SS-0.0-0.5	6164659	N	METHOD	1613B	III
14-Dec-2010	SL-098-SA5B-SS-0.0-0.5	6164656	N	METHOD	1613B	III
14-Dec-2010	SL-124-SA5B-SS-0.0-0.5	6164660	N	METHOD	1613B	III
14-Dec-2010	SL-142-SA5B-SS-0.0-0.5	6164657	N	METHOD	1613B	III
14-Dec-2010	SL-143-SA5B-SS-0.0-0.5	6164658	N	METHOD	1613B	III
14-Dec-2010	SED-025-SIV-SD-0.0-0.5	6164665	N	METHOD	1613B	III
14-Dec-2010	SL-309-SA5B-SS-0.0-0.5	6164661	N	METHOD	1613B	III
14-Dec-2010	SL-310-SA5B-SS-0.0-0.5	6164663	N	METHOD	1613B	III
14-Dec-2010	SL-311-SA5B-SS-0.0-0.5	6164662	N	METHOD	1613B	III
14-Dec-2010	SL-312-SA5B-SS-0.0-0.5	6164664	N	METHOD	1613B	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory:** LL

EDD Filename: DX022_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: DUP05-SA5B-QC-121410 *Collected:* 12/14/2010 8:50:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.47	JB	0.0222	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.410	JB	0.0322	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.228	JB	0.0327	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.356	JBQ	0.0248	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.572	JB	0.0343	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.286	JB	0.0238	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.535	JB	0.0357	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.230	JB	0.0297	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.138	JBQ	0.0322	MDL	5.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.134	JB	0.0161	MDL	5.18	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.541	JBQ	0.0242	MDL	5.18	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.300	JBQ	0.0159	MDL	5.18	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0203	U	0.0203	MDL	1.04	PQL	ng/Kg	UJ	FD
2,3,7,8-TCDF	0.0808	JB	0.0242	MDL	1.04	PQL	ng/Kg	U	B
OCDF	10.3	JB	0.0392	MDL	10.4	PQL	ng/Kg	J	Z

Sample ID: SED-025-SIV-SD-0.0-0.5 *Collected:* 12/14/2010 12:44:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4.55	JB	0.0404	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.34	JB	0.0290	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.142	JBQ	0.0444	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.106	JB	0.0309	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.219	JB	0.0273	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.324	JB	0.0326	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.196	JB	0.0244	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.238	JBQ	0.0328	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0589	JB	0.0310	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.156	JBQ	0.0435	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.291	JB	0.0230	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.243	JB	0.0262	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.690	JB	0.0227	MDL	5.58	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.381	JBQ	0.0598	MDL	1.12	PQL	ng/Kg	U	B
OCDF	2.27	JB	0.0372	MDL	11.2	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory:** LL

EDD Filename: DX022_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-054-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 9:21:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.32	JB	0.0465	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	1.08	JBQ	0.0449	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.505	JBQ	0.0362	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	4.69	JB	0.0465	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.642	JB	0.0332	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.98	JB	0.0447	MDL	5.33	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.274	JB	0.0391	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.435	JBQ	0.0639	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.330	JB	0.0191	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.856	JB	0.0353	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.367	JB	0.0179	MDL	5.33	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0735	JBQ	0.0319	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0546	JB	0.0353	MDL	1.07	PQL	ng/Kg	U	B

Sample ID: SL-098-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 10:43:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	5.52	B	0.0222	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.578	JB	0.0347	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.364	JB	0.0274	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.239	JB	0.0199	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	2.00	JB	0.0288	MDL	5.17	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.305	JB	0.0177	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.922	JB	0.0282	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.151	JB	0.0236	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.214	JBQ	0.0469	MDL	5.17	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.287	JBQ	0.0150	MDL	5.17	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.421	JBQ	0.0192	MDL	5.17	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.147	JB	0.0150	MDL	5.17	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0639	JBQ	0.0230	MDL	1.03	PQL	ng/Kg	U	B

Sample ID: SL-105-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 8:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.15	JB	0.0461	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.795	JB	0.0452	MDL	5.22	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory:** LL

EDD Filename: DX022_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-105-SA5B-SS-0.0-0.5 **Collected:** 12/14/2010 8:35:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.400	JB	0.0350	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	4.14	JB	0.0474	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.588	JB	0.0310	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.63	JBQ	0.0444	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.282	JB	0.0376	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.412	JBQ	0.0712	MDL	5.22	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.424	JB	0.0211	MDL	5.22	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.755	JB	0.0338	MDL	5.22	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.148	JBQ	0.0206	MDL	5.22	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0802	JBQ	0.0366	MDL	1.04	PQL	ng/Kg	U	B

Sample ID: SL-108-SA5B-SS-0.0-0.5 **Collected:** 12/14/2010 8:55:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.13	JB	0.0446	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.722	JB	0.0343	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.526	JB	0.0303	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	3.51	JB	0.0348	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.641	JB	0.0280	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.50	JB	0.0369	MDL	5.23	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.431	JB	0.0356	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.343	JBQ	0.0435	MDL	5.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.542	JB	0.0172	MDL	5.23	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	1.02	JB	0.0295	MDL	5.23	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.502	JB	0.0167	MDL	5.23	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0648	JB	0.0247	MDL	1.05	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.113	JBQ	0.0315	MDL	1.05	PQL	ng/Kg	U	B

Sample ID: SL-109-SA5B-SS-0.0-0.5 **Collected:** 12/14/2010 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	0.812	JBQ	0.0448	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.553	JB	0.0497	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.435	JB	0.0296	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	2.38	JB	0.0518	MDL	5.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.461	JB	0.0258	MDL	5.31	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory:** LL

EDD Filename: DX022_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-109-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 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
1,2,3,7,8,9-HXCDD	0.967	JB	0.0486	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.314	JBQ	0.0323	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.245	JB	0.0408	MDL	5.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.247	JB	0.0134	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.772	JBQ	0.0285	MDL	5.31	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.376	JB	0.0138	MDL	5.31	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0406	JBQ	0.0221	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0866	JB	0.0224	MDL	1.06	PQL	ng/Kg	U	B

Sample ID: SL-119-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 8:30:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.549	JBQ	0.0379	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.310	JBQ	0.0346	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.337	JB	0.0325	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.914	JB	0.0357	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.438	JB	0.0285	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.972	JB	0.0363	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.485	JBQ	0.0380	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.213	JBQ	0.0416	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.219	JBQ	0.0186	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.610	JBQ	0.0305	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.302	JBQ	0.0187	MDL	5.41	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0754	JBQ	0.0316	MDL	1.08	PQL	ng/Kg	U	B

Sample ID: SL-120-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 8:47:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.62	JB	0.0204	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.470	JB	0.0350	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.237	JB	0.0350	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.316	JB	0.0261	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.657	JB	0.0367	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.327	JB	0.0229	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.523	JB	0.0344	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.231	JB	0.0307	MDL	5.21	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory:** LL

EDD Filename: DX022_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-120-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 8:47:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.101	JBQ	0.0297	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.138	JB	0.0142	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.483	JB	0.0255	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.265	JB	0.0142	MDL	5.21	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0355	JBQ	0.0191	MDL	1.04	PQL	ng/Kg	UJ	B, FD
2,3,7,8-TCDF	0.121	JB	0.0224	MDL	1.04	PQL	ng/Kg	U	B

Sample ID: SL-121-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 9:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.20	JB	0.0480	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.826	JB	0.0178	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.124	JBQ	0.0334	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.181	JBQ	0.0266	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.314	JBQ	0.0321	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.176	JB	0.0214	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.438	JB	0.0315	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.330	JB	0.0316	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.701	JBQ	0.0137	MDL	5.30	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.160	JB	0.0255	MDL	5.30	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.201	JBQ	0.0151	MDL	5.30	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0222	JBQ	0.0171	MDL	1.06	PQL	ng/Kg	U	B
OCDF	1.64	JB	0.0456	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-122-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 9:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.25	JB	0.0417	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	1.17	JB	0.0196	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.205	JB	0.0312	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0834	JBQ	0.0331	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.217	JB	0.0259	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.422	JBQ	0.0341	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.209	JB	0.0230	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.741	JB	0.0341	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.527	JBQ	0.0288	MDL	5.29	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX022 Laboratory: LL

EDD Filename: DX022_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-122-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 9:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.121	JBQ	0.0324	MDL	5.29	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.344	JBQ	0.0137	MDL	5.29	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.278	JB	0.0248	MDL	5.29	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.255	JB	0.0133	MDL	5.29	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0224	JBQ	0.0164	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0494	JB	0.0270	MDL	1.06	PQL	ng/Kg	U	B
OCDF	1.61	JB	0.0406	MDL	10.6	PQL	ng/Kg	U	B

Sample ID: SL-123-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 10:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.94	JB	0.0639	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.46	JB	0.0419	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.70	JB	0.0367	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	1.84	JB	0.0322	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	4.83	JB	0.0430	MDL	5.32	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.647	JB	0.0424	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	1.07	JB	0.0597	MDL	5.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.00	JB	0.0278	MDL	5.32	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	2.16	JB	0.0357	MDL	5.32	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	2.23	JB	0.0282	MDL	5.32	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.159	JB	0.0233	MDL	1.06	PQL	ng/Kg	U	B

Sample ID: SL-124-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 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
1,2,3,4,7,8,9-HPCDF	1.05	JB	0.0360	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	1.06	JB	0.0285	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.862	JB	0.0261	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	2.93	JB	0.0295	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.759	JB	0.0238	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	2.43	JB	0.0293	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.773	JBQ	0.0300	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.542	JB	0.0496	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.841	JB	0.0201	MDL	5.27	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory:** LL

EDD Filename: DX022_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-124-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 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
2,3,4,6,7,8-HXCDF	0.840	JB	0.0255	MDL	5.27	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.831	JBQ	0.0195	MDL	5.27	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0882	JBQ	0.0194	MDL	1.05	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.373	JBQ	0.0449	MDL	1.05	PQL	ng/Kg	U	B

Sample ID: SL-142-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 11:04:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.01	JB	0.0383	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.707	JB	0.0156	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.103	JB	0.0349	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0550	JBQ	0.0253	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0920	JBQ	0.0216	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.117	JB	0.0264	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0568	JBQ	0.0176	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0982	JB	0.0260	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0673	JB	0.0275	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0512	JBQ	0.0297	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.185	JBQ	0.0107	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0798	JB	0.0201	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0547	JBQ	0.0116	MDL	5.33	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0267	JBQ	0.0214	MDL	1.07	PQL	ng/Kg	U	B
OCDF	1.67	JBQ	0.0502	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-143-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 11:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.24	JB	0.0371	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.645	JB	0.0135	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0660	JBQ	0.0294	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0525	JBQ	0.0273	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0609	JBQ	0.0189	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.214	JBQ	0.0281	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0503	JBQ	0.0155	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.324	JB	0.0271	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.201	JB	0.0232	MDL	5.19	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory:** LL

EDD Filename: DX022_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-143-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 11:15:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.0773	JBQ	0.0292	MDL	5.19	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0737	JBQ	0.0101	MDL	5.19	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0658	JB	0.0187	MDL	5.19	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0574	JBQ	0.0104	MDL	5.19	PQL	ng/Kg	U	B
OCDF	1.39	JB	0.0402	MDL	10.4	PQL	ng/Kg	U	B

Sample ID: SL-240-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 9:33:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.907	JB	0.0540	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	1.08	JB	0.0529	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.602	JB	0.0450	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	3.93	JB	0.0531	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.656	JB	0.0415	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.48	JB	0.0520	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.298	JBQ	0.0510	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.546	JBQ	0.0842	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.327	JB	0.0294	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.932	JBQ	0.0448	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.539	JB	0.0284	MDL	5.21	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.130	JB	0.0486	MDL	1.04	PQL	ng/Kg	U	B

Sample ID: SL-309-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 1:25:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.814	JB	0.0231	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.585	JBQ	0.0242	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.701	JB	0.0215	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.50	JB	0.0246	MDL	5.21	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.470	JBQ	0.0194	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.11	JB	0.0241	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.279	JB	0.0222	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.324	JB	0.0285	MDL	5.21	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.222	JB	0.0126	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.546	JB	0.0206	MDL	5.21	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.253	JB	0.0122	MDL	5.21	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory:** LL

EDD Filename: DX022_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-309-SA5B-SS-0.0-0.5 **Collected:** 12/14/2010 1:25:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.0594	JBQ	0.0131	MDL	1.04	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0495	JB	0.0193	MDL	1.04	PQL	ng/Kg	U	B

Sample ID: SL-310-SA5B-SS-0.0-0.5 **Collected:** 12/14/2010 1:45:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.16	JB	0.0307	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.450	JBQ	0.0392	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.317	JBQ	0.0403	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.303	JB	0.0342	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.07	JB	0.0427	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.268	JB	0.0327	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.759	JB	0.0432	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.260	JB	0.0354	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.158	JBQ	0.0492	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.355	JB	0.0227	MDL	5.27	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.364	JB	0.0346	MDL	5.27	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.299	JB	0.0216	MDL	5.27	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0262	JBQ	0.0218	MDL	1.05	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.159	JBQ	0.0436	MDL	1.05	PQL	ng/Kg	U	B
OCDF	9.13	JB	0.0404	MDL	10.5	PQL	ng/Kg	J	Z

Sample ID: SL-311-SA5B-SS-0.0-0.5 **Collected:** 12/14/2010 2:00:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	3.73	JB	0.0339	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	3.22	JB	0.0326	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.29	JB	0.0356	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	2.91	JB	0.0556	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.615	JB	0.0180	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	4.52	JB	0.0338	MDL	5.42	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.00	JB	0.0164	MDL	5.42	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.331	JB	0.0229	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.279	JB	0.0348	MDL	1.08	PQL	ng/Kg	U	B
OCDD	5310	EB	0.140	MDL	10.8	PQL	ng/Kg	J	*XI

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory:** LL

EDD Filename: DX022_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-312-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 2:27:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.851	JB	0.0382	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	1.03	JB	0.0309	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.582	JB	0.0298	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	2.12	JB	0.0321	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.579	JB	0.0281	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.93	JB	0.0322	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.226	JBQ	0.0343	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.462	JB	0.0396	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.212	JB	0.0160	MDL	5.26	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.785	JB	0.0286	MDL	5.26	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.286	JBQ	0.0151	MDL	5.26	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0561	JB	0.0169	MDL	1.05	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0388	JB	0.0239	MDL	1.05	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

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

Data Qualifier Summary

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

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

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control
Outlier Reports

DX022

Method Blank Outlier Report

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB372126	1/17/2011 9:26:00 PM	1,2,3,4,6,7,8-HPCDD	0.682 ng/Kg	DUP05-SA5B-QC-121410
		1,2,3,4,6,7,8-HPCDF	1.19 ng/Kg	SED-025-SIV-SD-0.0-0.5
		1,2,3,4,7,8,9-HPCDF	0.343 ng/Kg	SL-054-SA5B-SS-0.0-0.5
		1,2,3,4,7,8-HxCDD	0.206 ng/Kg	SL-098-SA5B-SS-0.0-0.5
		1,2,3,4,7,8-HXCDF	0.370 ng/Kg	SL-105-SA5B-SS-0.0-0.5
		1,2,3,6,7,8-HXCDD	0.259 ng/Kg	SL-108-SA5B-SS-0.0-0.5
		1,2,3,6,7,8-HXCDF	0.338 ng/Kg	SL-109-SA5B-SS-0.0-0.5
		1,2,3,7,8,9-HXCDD	0.247 ng/Kg	SL-119-SA5B-SS-0.0-0.5
		1,2,3,7,8,9-HXCDF	0.320 ng/Kg	SL-120-SA5B-SS-0.0-0.5
		1,2,3,7,8-PECDD	0.244 ng/Kg	SL-121-SA5B-SS-0.0-0.5
		1,2,3,7,8-PECDF	0.242 ng/Kg	SL-122-SA5B-SS-0.0-0.5
		2,3,4,6,7,8-HXCDF	0.498 ng/Kg	SL-123-SA5B-SS-0.0-0.5
		2,3,4,7,8-PECDF	0.330 ng/Kg	SL-124-SA5B-SS-0.0-0.5
		2,3,7,8-TCDD	0.0349 ng/Kg	SL-142-SA5B-SS-0.0-0.5
		2,3,7,8-TCDF	0.0662 ng/Kg	SL-143-SA5B-SS-0.0-0.5
		OCDD	1.49 ng/Kg	SL-240-SA5B-SS-0.0-0.5
		OCDF	1.16 ng/Kg	SL-309-SA5B-SS-0.0-0.5
				SL-310-SA5B-SS-0.0-0.5
				SL-311-SA5B-SS-0.0-0.5
				SL-312-SA5B-SS-0.0-0.5
PBB371751	2/5/2011 5:51:00 PM	2,3,7,8-TCDF	0.0805 ng/Kg	DUP05-SA5B-QC-121410
				SED-025-SIV-SD-0.0-0.5
				SL-054-SA5B-SS-0.0-0.5
				SL-098-SA5B-SS-0.0-0.5
				SL-105-SA5B-SS-0.0-0.5
				SL-108-SA5B-SS-0.0-0.5
				SL-109-SA5B-SS-0.0-0.5
				SL-119-SA5B-SS-0.0-0.5
				SL-120-SA5B-SS-0.0-0.5
				SL-121-SA5B-SS-0.0-0.5
				SL-122-SA5B-SS-0.0-0.5
				SL-123-SA5B-SS-0.0-0.5
				SL-124-SA5B-SS-0.0-0.5
				SL-142-SA5B-SS-0.0-0.5
				SL-143-SA5B-SS-0.0-0.5
				SL-240-SA5B-SS-0.0-0.5
				SL-309-SA5B-SS-0.0-0.5
				SL-310-SA5B-SS-0.0-0.5
				SL-311-SA5B-SS-0.0-0.5
				SL-312-SA5B-SS-0.0-0.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP05-SA5B-QC-121410(RES)	1,2,3,4,6,7,8-HPCDF	4.47 ng/Kg	4.47U ng/Kg
DUP05-SA5B-QC-121410(RES)	1,2,3,4,7,8,9-HPCDF	0.410 ng/Kg	0.410U ng/Kg
DUP05-SA5B-QC-121410(RES)	1,2,3,4,7,8-HxCDD	0.228 ng/Kg	0.228U ng/Kg
DUP05-SA5B-QC-121410(RES)	1,2,3,4,7,8-HXCDF	0.356 ng/Kg	0.356U ng/Kg
DUP05-SA5B-QC-121410(RES)	1,2,3,6,7,8-HXCDD	0.572 ng/Kg	0.572U ng/Kg
DUP05-SA5B-QC-121410(RES)	1,2,3,6,7,8-HXCDF	0.286 ng/Kg	0.286U ng/Kg
DUP05-SA5B-QC-121410(RES)	1,2,3,7,8,9-HXCDD	0.535 ng/Kg	0.535U ng/Kg
DUP05-SA5B-QC-121410(RES)	1,2,3,7,8,9-HXCDF	0.230 ng/Kg	0.230U ng/Kg
DUP05-SA5B-QC-121410(RES)	1,2,3,7,8-PECDD	0.138 ng/Kg	0.138U ng/Kg
DUP05-SA5B-QC-121410(RES)	1,2,3,7,8-PECDF	0.134 ng/Kg	0.134U ng/Kg
DUP05-SA5B-QC-121410(RES)	2,3,4,6,7,8-HXCDF	0.541 ng/Kg	0.541U ng/Kg
DUP05-SA5B-QC-121410(RES)	2,3,4,7,8-PECDF	0.300 ng/Kg	0.300U ng/Kg
DUP05-SA5B-QC-121410(RES)	2,3,7,8-TCDF	0.0808 ng/Kg	0.0808U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	1.34 ng/Kg	1.34U ng/Kg

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

Method Blank Outlier Report

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SED-025-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.142 ng/Kg	0.142U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.106 ng/Kg	0.106U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.219 ng/Kg	0.219U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.324 ng/Kg	0.324U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.196 ng/Kg	0.196U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.238 ng/Kg	0.238U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0589 ng/Kg	0.0589U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.156 ng/Kg	0.156U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.291 ng/Kg	0.291U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.243 ng/Kg	0.243U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.690 ng/Kg	0.690U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDF	0.381 ng/Kg	0.381U ng/Kg
SED-025-SIV-SD-0.0-0.5(RES)	OCDF	2.27 ng/Kg	2.27U ng/Kg
SL-054-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	1.32 ng/Kg	1.32U ng/Kg
SL-054-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.505 ng/Kg	0.505U ng/Kg
SL-054-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.642 ng/Kg	0.642U ng/Kg
SL-054-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.274 ng/Kg	0.274U ng/Kg
SL-054-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.435 ng/Kg	0.435U ng/Kg
SL-054-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.330 ng/Kg	0.330U ng/Kg
SL-054-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.856 ng/Kg	0.856U ng/Kg
SL-054-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.367 ng/Kg	0.367U ng/Kg
SL-054-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0735 ng/Kg	0.0735U ng/Kg
SL-054-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0546 ng/Kg	0.0546U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	5.52 ng/Kg	5.52U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.578 ng/Kg	0.578U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.364 ng/Kg	0.364U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.239 ng/Kg	0.239U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.305 ng/Kg	0.305U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.922 ng/Kg	0.922U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.151 ng/Kg	0.151U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.214 ng/Kg	0.214U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.287 ng/Kg	0.287U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.421 ng/Kg	0.421U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.147 ng/Kg	0.147U ng/Kg
SL-098-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0639 ng/Kg	0.0639U ng/Kg
SL-105-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	1.15 ng/Kg	1.15U ng/Kg
SL-105-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.795 ng/Kg	0.795U ng/Kg
SL-105-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.400 ng/Kg	0.400U ng/Kg
SL-105-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.588 ng/Kg	0.588U ng/Kg
SL-105-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.282 ng/Kg	0.282U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-105-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.412 ng/Kg	0.412U ng/Kg
SL-105-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.424 ng/Kg	0.424U ng/Kg
SL-105-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.755 ng/Kg	0.755U ng/Kg
SL-105-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.148 ng/Kg	0.148U ng/Kg
SL-105-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0802 ng/Kg	0.0802U ng/Kg
SL-108-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	1.13 ng/Kg	1.13U ng/Kg
SL-108-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.722 ng/Kg	0.722U ng/Kg
SL-108-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.526 ng/Kg	0.526U ng/Kg
SL-108-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.641 ng/Kg	0.641U ng/Kg
SL-108-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.431 ng/Kg	0.431U ng/Kg
SL-108-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.343 ng/Kg	0.343U ng/Kg
SL-108-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.542 ng/Kg	0.542U ng/Kg
SL-108-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	1.02 ng/Kg	1.02U ng/Kg
SL-108-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.502 ng/Kg	0.502U ng/Kg
SL-108-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0648 ng/Kg	0.0648U ng/Kg
SL-108-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.113 ng/Kg	0.113U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.812 ng/Kg	0.812U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.553 ng/Kg	0.553U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.435 ng/Kg	0.435U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.461 ng/Kg	0.461U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.967 ng/Kg	0.967U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.314 ng/Kg	0.314U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.245 ng/Kg	0.245U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.247 ng/Kg	0.247U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.772 ng/Kg	0.772U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.376 ng/Kg	0.376U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0406 ng/Kg	0.0406U ng/Kg
SL-109-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0866 ng/Kg	0.0866U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.549 ng/Kg	0.549U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.310 ng/Kg	0.310U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.337 ng/Kg	0.337U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.914 ng/Kg	0.914U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.438 ng/Kg	0.438U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.972 ng/Kg	0.972U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.485 ng/Kg	0.485U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.213 ng/Kg	0.213U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.219 ng/Kg	0.219U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.610 ng/Kg	0.610U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.302 ng/Kg	0.302U ng/Kg
SL-119-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0754 ng/Kg	0.0754U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX022 **Laboratory:** LL

EDD Filename: DX022_v1 **eQAPP Name:** CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-120-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	4.62 ng/Kg	4.62U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.470 ng/Kg	0.470U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.237 ng/Kg	0.237U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.316 ng/Kg	0.316U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.657 ng/Kg	0.657U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.327 ng/Kg	0.327U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.523 ng/Kg	0.523U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.231 ng/Kg	0.231U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.101 ng/Kg	0.101U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.138 ng/Kg	0.138U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.483 ng/Kg	0.483U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.265 ng/Kg	0.265U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0355 ng/Kg	0.0355U ng/Kg
SL-120-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.121 ng/Kg	0.121U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	2.20 ng/Kg	2.20U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.826 ng/Kg	0.826U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.124 ng/Kg	0.124U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.181 ng/Kg	0.181U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.314 ng/Kg	0.314U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.438 ng/Kg	0.438U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.330 ng/Kg	0.330U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.701 ng/Kg	0.701U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.160 ng/Kg	0.160U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.201 ng/Kg	0.201U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0222 ng/Kg	0.0222U ng/Kg
SL-121-SA5B-SS-0.0-0.5(RES)	OCDF	1.64 ng/Kg	1.64U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	2.25 ng/Kg	2.25U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	1.17 ng/Kg	1.17U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.205 ng/Kg	0.205U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0834 ng/Kg	0.0834U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.217 ng/Kg	0.217U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.422 ng/Kg	0.422U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.209 ng/Kg	0.209U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.741 ng/Kg	0.741U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.527 ng/Kg	0.527U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.121 ng/Kg	0.121U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.344 ng/Kg	0.344U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.278 ng/Kg	0.278U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.255 ng/Kg	0.255U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-122-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0224 ng/Kg	0.0224U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0494 ng/Kg	0.0494U ng/Kg
SL-122-SA5B-SS-0.0-0.5(RES)	OCDF	1.61 ng/Kg	1.61U ng/Kg
SL-123-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	1.70 ng/Kg	1.70U ng/Kg
SL-123-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.647 ng/Kg	0.647U ng/Kg
SL-123-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	1.07 ng/Kg	1.07U ng/Kg
SL-123-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	1.00 ng/Kg	1.00U ng/Kg
SL-123-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	2.16 ng/Kg	2.16U ng/Kg
SL-123-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.159 ng/Kg	0.159U ng/Kg
SL-124-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	1.05 ng/Kg	1.05U ng/Kg
SL-124-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.862 ng/Kg	0.862U ng/Kg
SL-124-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.759 ng/Kg	0.759U ng/Kg
SL-124-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.773 ng/Kg	0.773U ng/Kg
SL-124-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.542 ng/Kg	0.542U ng/Kg
SL-124-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.841 ng/Kg	0.841U ng/Kg
SL-124-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.840 ng/Kg	0.840U ng/Kg
SL-124-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.831 ng/Kg	0.831U ng/Kg
SL-124-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0882 ng/Kg	0.0882U ng/Kg
SL-124-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.373 ng/Kg	0.373U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	3.01 ng/Kg	3.01U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.707 ng/Kg	0.707U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.103 ng/Kg	0.103U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0550 ng/Kg	0.0550U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0920 ng/Kg	0.0920U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.117 ng/Kg	0.117U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0568 ng/Kg	0.0568U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.0982 ng/Kg	0.0982U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0673 ng/Kg	0.0673U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0512 ng/Kg	0.0512U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.185 ng/Kg	0.185U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0798 ng/Kg	0.0798U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0547 ng/Kg	0.0547U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0267 ng/Kg	0.0267U ng/Kg
SL-142-SA5B-SS-0.0-0.5(RES)	OCDF	1.67 ng/Kg	1.67U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	3.24 ng/Kg	3.24U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.645 ng/Kg	0.645U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0660 ng/Kg	0.0660U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0525 ng/Kg	0.0525U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0609 ng/Kg	0.0609U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.214 ng/Kg	0.214U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-143-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0503 ng/Kg	0.0503U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.324 ng/Kg	0.324U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.201 ng/Kg	0.201U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0773 ng/Kg	0.0773U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0737 ng/Kg	0.0737U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0658 ng/Kg	0.0658U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0574 ng/Kg	0.0574U ng/Kg
SL-143-SA5B-SS-0.0-0.5(RES)	OCDF	1.39 ng/Kg	1.39U ng/Kg
SL-240-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.907 ng/Kg	0.907U ng/Kg
SL-240-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.602 ng/Kg	0.602U ng/Kg
SL-240-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.656 ng/Kg	0.656U ng/Kg
SL-240-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.298 ng/Kg	0.298U ng/Kg
SL-240-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.546 ng/Kg	0.546U ng/Kg
SL-240-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.327 ng/Kg	0.327U ng/Kg
SL-240-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.932 ng/Kg	0.932U ng/Kg
SL-240-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.539 ng/Kg	0.539U ng/Kg
SL-240-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.130 ng/Kg	0.130U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.814 ng/Kg	0.814U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.585 ng/Kg	0.585U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.701 ng/Kg	0.701U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.470 ng/Kg	0.470U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	1.11 ng/Kg	1.11U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.279 ng/Kg	0.279U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.324 ng/Kg	0.324U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.222 ng/Kg	0.222U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.546 ng/Kg	0.546U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.253 ng/Kg	0.253U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0594 ng/Kg	0.0594U ng/Kg
SL-309-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0495 ng/Kg	0.0495U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	4.16 ng/Kg	4.16U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.450 ng/Kg	0.450U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.317 ng/Kg	0.317U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.303 ng/Kg	0.303U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	1.07 ng/Kg	1.07U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.268 ng/Kg	0.268U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.759 ng/Kg	0.759U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.260 ng/Kg	0.260U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.158 ng/Kg	0.158U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.355 ng/Kg	0.355U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.364 ng/Kg	0.364U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-310-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.299 ng/Kg	0.299U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0262 ng/Kg	0.0262U ng/Kg
SL-310-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.159 ng/Kg	0.159U ng/Kg
SL-311-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	1.29 ng/Kg	1.29U ng/Kg
SL-311-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.615 ng/Kg	0.615U ng/Kg
SL-311-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	1.00 ng/Kg	1.00U ng/Kg
SL-311-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.279 ng/Kg	0.279U ng/Kg
SL-312-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.851 ng/Kg	0.851U ng/Kg
SL-312-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	1.03 ng/Kg	1.03U ng/Kg
SL-312-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.582 ng/Kg	0.582U ng/Kg
SL-312-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.579 ng/Kg	0.579U ng/Kg
SL-312-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.226 ng/Kg	0.226U ng/Kg
SL-312-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.462 ng/Kg	0.462U ng/Kg
SL-312-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.212 ng/Kg	0.212U ng/Kg
SL-312-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.785 ng/Kg	0.785U ng/Kg
SL-312-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.286 ng/Kg	0.286U ng/Kg
SL-312-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDD	0.0561 ng/Kg	0.0561U ng/Kg
SL-312-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0388 ng/Kg	0.0388U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 160.3M
Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-120-SA5B-SS-0.0-0.5	DUP05-SA5B-QC-121410			
MOISTURE	4.1	3.4	19		No Qualifiers Applied

Method: 1613B
Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-120-SA5B-SS-0.0-0.5	DUP05-SA5B-QC-121410			
1,2,3,4,6,7,8-HPCDD	18.5	16.7	10	50.00	
1,2,3,4,6,7,8-HPCDF	4.62	4.47	3	50.00	
1,2,3,4,7,8,9-HPCDF	0.470	0.410	14	50.00	
1,2,3,4,7,8-HxCDD	0.237	0.228	4	50.00	
1,2,3,4,7,8-HXCDF	0.316	0.356	12	50.00	
1,2,3,6,7,8-HXCDD	0.657	0.572	14	50.00	
1,2,3,6,7,8-HXCDF	0.327	0.286	13	50.00	
1,2,3,7,8,9-HXCDD	0.523	0.535	2	50.00	
1,2,3,7,8,9-HXCDF	0.231	0.230	0	50.00	No Qualifiers Applied
1,2,3,7,8-PECDD	0.101	0.138	31	50.00	
1,2,3,7,8-PECDF	0.138	0.134	3	50.00	
2,3,4,6,7,8-HXCDF	0.483	0.541	11	50.00	
2,3,4,7,8-PECDF	0.265	0.300	12	50.00	
2,3,7,8-TCDF	0.121	0.0808	40	50.00	
OCDD	199	172	15	50.00	
OCDF	11.5	10.3	11	50.00	
2,3,7,8-TCDD	0.0355	1.04 U	200	50.00	J(all detects) UJ(all non-detects)

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP05-SA5B-QC-121410	1,2,3,4,6,7,8-HPCDF	JB	4.47	5.18	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.410	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.228	5.18	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.356	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.572	5.18	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.286	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.535	5.18	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.230	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.138	5.18	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.134	5.18	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.541	5.18	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.300	5.18	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0808	1.04	PQL	ng/Kg	
	OCDF	JB	10.3	10.4	PQL	ng/Kg	
SED-025-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	4.55	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	1.34	5.58	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.142	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.106	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.219	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.324	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.196	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.238	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0589	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.156	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.291	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.243	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.690	5.58	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.381	1.12	PQL	ng/Kg	
	OCDF	JB	2.27	11.2	PQL	ng/Kg	
SL-054-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.32	5.33	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	1.08	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.505	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	4.69	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.642	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.98	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.274	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.435	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.330	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.856	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.367	5.33	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0735	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0546	1.07	PQL	ng/Kg	
SL-098-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.578	5.17	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.364	5.17	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.239	5.17	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.00	5.17	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.305	5.17	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.922	5.17	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.151	5.17	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.214	5.17	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.287	5.17	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.421	5.17	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.147	5.17	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0639	1.03	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-105-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.15	5.22	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.795	5.22	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.400	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	4.14	5.22	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.588	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	1.63	5.22	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.282	5.22	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.412	5.22	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.424	5.22	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.755	5.22	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.148	5.22	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0802	1.04	PQL	ng/Kg	
SL-108-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.13	5.23	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.722	5.23	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.526	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	3.51	5.23	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.641	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.50	5.23	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.431	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.343	5.23	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.542	5.23	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.02	5.23	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.502	5.23	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.0648	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.113	1.05	PQL	ng/Kg	
SL-109-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JBQ	0.812	5.31	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	0.553	5.31	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.435	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.38	5.31	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.461	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.967	5.31	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.314	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.245	5.31	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.247	5.31	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.772	5.31	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.376	5.31	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0406	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0866	1.06	PQL	ng/Kg	
SL-119-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JBQ	0.549	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JBQ	0.310	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.337	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.914	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.438	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.972	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.485	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.213	5.41	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.219	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.610	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.302	5.41	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0754	1.08	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-120-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.62	5.21	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.470	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.237	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.316	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.657	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.327	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.523	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.231	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.101	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.138	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.483	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.265	5.21	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0355	1.04	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.121	1.04	PQL	ng/Kg	
SL-121-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.20	5.30	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.826	5.30	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.124	5.30	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.181	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.314	5.30	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.176	5.30	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.438	5.30	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.330	5.30	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.701	5.30	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.160	5.30	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.201	5.30	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0222	1.06	PQL	ng/Kg	
	OCDF	JB	1.64	10.6	PQL	ng/Kg	
SL-122-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.25	5.29	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	1.17	5.29	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.205	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0834	5.29	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.217	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.422	5.29	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.209	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.741	5.29	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.527	5.29	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.121	5.29	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.344	5.29	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.278	5.29	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.255	5.29	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0224	1.06	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.0494	1.06	PQL	ng/Kg	
	OCDF	JB	1.61	10.6	PQL	ng/Kg	
SL-123-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.94	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	2.46	5.32	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	1.70	5.32	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	1.84	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	4.83	5.32	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.647	5.32	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	1.07	5.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.00	5.32	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	2.16	5.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.23	5.32	PQL	ng/Kg	
	2,3,7,8-TCDD	JB	0.159	1.06	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-124-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.05	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	1.06	5.27	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.862	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.93	5.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.759	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.43	5.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.773	5.27	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.542	5.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.841	5.27	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.840	5.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.831	5.27	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0882	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.373	1.05	PQL	ng/Kg	
SL-142-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.01	5.33	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.707	5.33	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.103	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0550	5.33	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0920	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.117	5.33	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0568	5.33	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0982	5.33	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.0673	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0512	5.33	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.185	5.33	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0798	5.33	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0547	5.33	PQL	ng/Kg	
	2,3,7,8-TCDD	JBQ	0.0267	1.07	PQL	ng/Kg	
	OCDF	JBQ	1.67	10.7	PQL	ng/Kg	
SL-143-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	3.24	5.19	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.645	5.19	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0660	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0525	5.19	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0609	5.19	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.214	5.19	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0503	5.19	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.324	5.19	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.201	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0773	5.19	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0737	5.19	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0658	5.19	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0574	5.19	PQL	ng/Kg	
	OCDF	JB	1.39	10.4	PQL	ng/Kg	
SL-240-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.907	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	1.08	5.21	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.602	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	3.93	5.21	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.656	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.48	5.21	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.298	5.21	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.546	5.21	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.327	5.21	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.932	5.21	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.539	5.21	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.130	1.04	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX022 **Laboratory: LL**

EDD Filename: DX022_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

LDC #: 25550J21

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Reviewer: A
2nd Reviewer: N

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

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

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

#	Date	Compound	Finding	Associated Samples	Qualifications
		OCDD	> calibration range	SL-311-SASB-55-0.0-0.5	J (+)

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX023

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

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

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX023 **Laboratory:** LL

EDD Filename: DX023_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** AQ

Sample ID: EB02-SA5B-121410 *Collected:* 12/14/2010 12:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.24	JBQ	0.302	MDL	9.82	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.40	JBQ	0.118	MDL	9.82	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.257	JBQ	0.141	MDL	9.82	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.317	JBQ	0.224	MDL	9.82	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.429	JBQ	0.171	MDL	9.82	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.244	JBQ	0.169	MDL	9.82	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.633	JBQ	0.175	MDL	9.82	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.387	JBQ	0.193	MDL	9.82	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.432	JBQ	0.163	MDL	9.82	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.707	JBQ	0.164	MDL	9.82	PQL	pg/L	U	B
2,3,7,8-TCDD	0.919	U	0.919	MDL	1.96	PQL	pg/L	UJ	I
OCDD	3.54	JBQ	0.345	MDL	19.6	PQL	pg/L	U	B
OCDF	1.35	JBQ	0.309	MDL	19.6	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-022-SIV-SD-0.0-0.5 *Collected:* 12/14/2010 10:08:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.68	JB	0.0724	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.986	JB	0.0528	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.858	JB	0.0446	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.06	JB	0.0385	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.93	JB	0.0527	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.176	JB	0.0553	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.532	JB	0.0801	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.657	JB	0.0258	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.35	JB	0.0424	MDL	5.41	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.792	JB	0.0267	MDL	5.41	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.184	JB	0.0335	MDL	1.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.473	JB	0.0584	MDL	1.08	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX023 **Laboratory:** LL

EDD Filename: DX023_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-023-SIV-SD-0.0-0.5 *Collected:* 12/14/2010 9:19:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.10	JB	0.0324	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.994	JB	0.0165	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.132	JBQ	0.0270	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.223	JB	0.0243	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.260	JB	0.0177	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.421	JB	0.0252	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.215	JB	0.0149	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.391	JB	0.0233	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.117	JB	0.0192	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.310	JB	0.0496	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.307	JBQ	0.0185	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.238	JB	0.0169	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.570	JB	0.0187	MDL	5.61	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.133	JBQ	0.0315	MDL	1.12	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.366	JBQ	0.0478	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	1.53	JB	0.0288	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SED-024-SIV-SD-0.0-0.5 *Collected:* 12/14/2010 11:16:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.00	JB	0.0328	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.22	JB	0.0167	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.119	JB	0.0294	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.159	JB	0.0253	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.219	JB	0.0170	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.441	JB	0.0267	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.232	JB	0.0143	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.430	JB	0.0267	MDL	5.73	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0859	JBQ	0.0208	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.333	JBQ	0.0529	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.275	JB	0.0205	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.253	JB	0.0158	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.583	JB	0.0243	MDL	5.73	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0556	JB	0.0249	MDL	1.15	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.324	JB	0.0493	MDL	1.15	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX023 **Laboratory:** LL

EDD Filename: DX023_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-024-SIV-SD-0.0-0.5 ***Collected:*** 12/14/2010 11:16:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	2.24	JB	0.0292	MDL	11.5	PQL	ng/Kg	J	Z

Sample ID: SED-026-SIV-SD-0.0-0.5 ***Collected:*** 12/14/2010 3:22:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.727	JB	0.0302	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.684	JB	0.0223	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.673	JB	0.0182	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	4.59	JB	0.0227	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.673	JB	0.0151	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.60	JB	0.0213	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.377	JB	0.0202	MDL	5.80	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.376	JBQ	0.0331	MDL	5.80	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.91	JB	0.0142	MDL	5.80	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.683	JB	0.0173	MDL	5.80	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.871	JB	0.0147	MDL	5.80	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0512	JBQ	0.0133	MDL	1.16	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.426	JB	0.0383	MDL	1.16	PQL	ng/Kg	J	Z

Sample ID: SED-027-SIV-SD-0.0-0.5 ***Collected:*** 12/14/2010 3:59:00 ***Analysis Type:*** RES ***Dilution:*** 1

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

Data Qualifier Summary

Lab Reporting Batch ID: DX023 **Laboratory:** LL

EDD Filename: DX023_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-027-SIV-SD-0.0-0.5 ***Collected:*** 12/14/2010 3:59:00 ***Analysis Type:*** RES ***Dilution:*** 1

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

Sample ID: SL-002-SA5C-SB-4.0-5.0 ***Collected:*** 12/14/2010 9:42:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.233	JBQ	0.0322	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.172	JB	0.0154	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0860	JBQ	0.0220	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0426	JB	0.0155	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.124	JB	0.0242	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0577	JBQ	0.0143	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.141	JB	0.0244	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0878	JBQ	0.0186	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0805	JBQ	0.0271	MDL	5.33	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0462	JBQ	0.0107	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0787	JB	0.0148	MDL	5.33	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0561	JB	0.0106	MDL	5.33	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0226	JBQ	0.0184	MDL	1.07	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0199	JBQ	0.0167	MDL	1.07	PQL	ng/Kg	U	B
OCDD	0.786	JB	0.0433	MDL	10.7	PQL	ng/Kg	U	B
OCDF	0.207	JB	0.0350	MDL	10.7	PQL	ng/Kg	U	B

Sample ID: SL-002-SA5C-SB-9.0-10.0 ***Collected:*** 12/14/2010 9:50:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.277	JBQ	0.0257	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.119	JB	0.00996	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0608	JB	0.0174	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0267	JBQ	0.0196	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0487	JB	0.0150	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0815	JB	0.0198	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0378	JB	0.0122	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.139	JB	0.0190	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.160	JB	0.0168	MDL	6.00	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0438	JBQ	0.00852	MDL	6.00	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0442	JB	0.0139	MDL	6.00	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX023 **Laboratory:** LL

EDD Filename: DX023_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-002-SA5C-SB-9.0-10.0 *Collected:* 12/14/2010 9:50:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.0560	JB	0.00912	MDL	6.00	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0192	JBQ	0.0154	MDL	1.20	PQL	ng/Kg	U	B
OCDD	1.30	JB	0.0373	MDL	12.0	PQL	ng/Kg	U	B
OCDF	0.169	JBQ	0.0365	MDL	12.0	PQL	ng/Kg	U	B

Sample ID: SL-004-SA5C-SB-4.0-5.0 *Collected:* 12/14/2010 11:11:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.176	JBQ	0.0248	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.104	JBQ	0.00979	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0625	JB	0.0169	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0166	JBQ	0.0136	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0414	JB	0.0113	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0419	JBQ	0.0140	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0260	JBQ	0.00943	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0354	JBQ	0.0136	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0640	JBQ	0.0138	MDL	5.97	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0394	JBQ	0.0107	MDL	5.97	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0602	JB	0.00895	MDL	5.97	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0194	JBQ	0.0172	MDL	1.19	PQL	ng/Kg	U	B
OCDD	0.629	JBQ	0.0368	MDL	11.9	PQL	ng/Kg	U	B
OCDF	0.148	JBQ	0.0298	MDL	11.9	PQL	ng/Kg	U	B

Sample ID: SL-004-SA5C-SB-9.0-10.0 *Collected:* 12/14/2010 11:18:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.407	JB	0.0300	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.234	JBQ	0.0117	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0830	JBQ	0.0218	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0292	JBQ	0.0202	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0588	JBQ	0.0160	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.105	JBQ	0.0206	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0610	JBQ	0.0133	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.179	JBQ	0.0210	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.176	JB	0.0212	MDL	6.01	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0388	JBQ	0.0296	MDL	6.01	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX023 Laboratory: LL

EDD Filename: DX023_v1. eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-004-SA5C-SB-9.0-10.0 *Collected:* 12/14/2010 11:18:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SL-060-SA5C-SB-10.0-11.0 *Collected:* 12/14/2010 4:18:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SL-125-SA5B-SS-0.0-0.5 *Collected:* 12/14/2010 2:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.91	JB	0.0560	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.57	JB	0.0528	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.887	JB	0.0445	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	3.86	JB	0.0551	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	2.54	JB	0.0367	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.20	JB	0.0520	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.718	JBQ	0.0526	MDL	5.28	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX023 **Laboratory:** LL

EDD Filename: DX023_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-125-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 2:00:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDD	0.843	JB	0.0570	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.659	JB	0.0226	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.22	JB	0.0422	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.641	JB	0.0235	MDL	5.28	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.135	JBQ	0.0262	MDL	1.06	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.276	JBQ	0.0508	MDL	1.06	PQL	ng/Kg	J	Z

Sample ID: SL-126-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 2:20:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.06	JB	0.0546	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.87	JB	0.0440	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.23	JB	0.0328	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.75	JB	0.0297	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.99	JB	0.0459	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.685	JB	0.0385	MDL	5.25	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.942	JB	0.0524	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.765	JB	0.0192	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.23	JB	0.0317	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.742	JB	0.0194	MDL	5.25	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.126	JB	0.0193	MDL	1.05	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.318	JB	0.0446	MDL	1.05	PQL	ng/Kg	J	Z

Sample ID: SL-128-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 1:35:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.01	JB	0.0405	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.09	JB	0.0284	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.674	JB	0.0279	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	3.18	JB	0.0292	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.746	JB	0.0234	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.57	JB	0.0290	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.640	JB	0.0351	MDL	5.30	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.614	JB	0.0358	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.463	JB	0.0160	MDL	5.30	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.796	JB	0.0262	MDL	5.30	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX023 **Laboratory:** LL

EDD Filename: DX023_v1. **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-128-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 1:35:00 ***Analysis Type:*** RES ***Dilution:*** 1

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

Sample ID: SL-129-SA5B-SS-0.0-0.5 ***Collected:*** 12/14/2010 1:45:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	4.08	JB	0.0561	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	3.48	JB	0.0545	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	3.48	JB	0.0468	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.15	JB	0.0626	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.94	JB	0.0523	MDL	5.28	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.687	JB	0.0197	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	3.93	JB	0.0504	MDL	5.28	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.839	JB	0.0202	MDL	5.28	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.166	JBQ	0.0211	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.330	JB	0.0439	MDL	1.06	PQL	ng/Kg	J	Z
OCDD	11200	EB	0.143	MDL	10.6	PQL	ng/Kg	J	*XI

Sample ID: SL-140-SA5C-SB-3.0-4.0 ***Collected:*** 12/14/2010 2:28:00 ***Analysis Type:*** RES ***Dilution:*** 1

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

Data Qualifier Summary

Lab Reporting Batch ID: DX023

Laboratory: LL

EDD Filename: DX023_v1.

eQAPP Name: CDM_SSFL_110509

Data Qualifier Summary

Lab Reporting Batch ID: DX023 **Laboratory: LL**

EDD Filename: DX023_v1. **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

Data Qualifier Summary

Lab Reporting Batch ID: DX023 **Laboratory: LL**

EDD Filename: DX023_v1. **eQAPP Name: CDM_SSFL_110509**

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

Data Qualifier Summary

Lab Reporting Batch ID: DX023 **Laboratory: LL**

EDD Filename: DX023_v1. **eQAPP Name: CDM_SSFL_110509**

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

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control
Outlier Reports

DX023

Method Blank Outlier Report

Lab Reporting Batch ID: DX023 **Laboratory: LL**

EDD Filename: DX023_v1. **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371629	12/30/2010 4:29:00 PM	1,2,3,4,6,7,8-HPCDD	1.35 pg/L	EB02-SA5B-121410
		1,2,3,4,6,7,8-HPCDF	1.41 pg/L	
		1,2,3,4,7,8,9-HPCDF	0.582 pg/L	
		1,2,3,4,7,8-HxCDD	0.485 pg/L	
		1,2,3,4,7,8-HXCDF	0.599 pg/L	
		1,2,3,6,7,8-HXCDD	0.512 pg/L	
		1,2,3,6,7,8-HXCDF	0.568 pg/L	
		1,2,3,7,8,9-HXCDD	0.483 pg/L	
		1,2,3,7,8,9-HXCDF	0.637 pg/L	
		1,2,3,7,8-PECDD	0.684 pg/L	
		1,2,3,7,8-PECDF	0.474 pg/L	
		2,3,4,6,7,8-HXCDF	0.505 pg/L	
		2,3,4,7,8-PECDF	0.810 pg/L	
		2,3,7,8-TCDD	2.81 pg/L	
		2,3,7,8-TCDF	0.181 pg/L	
		OCDD	2.39 pg/L	
		OCDF	1.43 pg/L	

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

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

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371610	1/15/2011 4:10:00 PM	1,2,3,4,6,7,8-HPCDD	0.225 ng/Kg	SED-022-SIV-SD-0.0-0.5
		1,2,3,4,6,7,8-HPCDF	0.149 ng/Kg	SED-023-SIV-SD-0.0-0.5
		1,2,3,4,7,8,9-HPCDF	0.113 ng/Kg	SED-024-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HxCDD	0.0533 ng/Kg	SED-026-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HXCDF	0.0754 ng/Kg	SED-027-SIV-SD-0.0-0.5
		1,2,3,6,7,8-HXCDD	0.0419 ng/Kg	SL-002-SA5C-SB-4.0-5.0
		1,2,3,6,7,8-HXCDF	0.0628 ng/Kg	SL-002-SA5C-SB-9.0-10.0
		1,2,3,7,8,9-HXCDD	0.0658 ng/Kg	SL-004-SA5C-SB-4.0-5.0
		1,2,3,7,8,9-HXCDF	0.161 ng/Kg	SL-004-SA5C-SB-9.0-10.0
		1,2,3,7,8-PECDD	0.0679 ng/Kg	SL-060-SA5C-SB-10.0-11.0
		1,2,3,7,8-PECDF	0.0507 ng/Kg	SL-125-SA5B-SS-0.0-0.5
		2,3,4,6,7,8-HXCDF	0.0900 ng/Kg	SL-126-SA5B-SS-0.0-0.5
		2,3,4,7,8-PECDF	0.0914 ng/Kg	SL-128-SA5B-SS-0.0-0.5
		2,3,7,8-TCDD	0.0282 ng/Kg	SL-129-SA5B-SS-0.0-0.5
		2,3,7,8-TCDF	0.0270 ng/Kg	SL-140-SA5C-SB-3.0-4.0
		OCDD	0.570 ng/Kg	
		OCDF	0.344 ng/Kg	

Method Blank Outlier Report

Lab Reporting Batch ID: DX023 | Laboratory: LL

EDD Filename: DX023_v1. | eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SED-022-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.176 ng/Kg	0.176U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.132 ng/Kg	0.132U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.223 ng/Kg	0.223U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.260 ng/Kg	0.260U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.215 ng/Kg	0.215U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.117 ng/Kg	0.117U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.310 ng/Kg	0.310U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.238 ng/Kg	0.238U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDD	0.133 ng/Kg	0.133U ng/Kg
SED-023-SIV-SD-0.0-0.5(RES)	OCDF	1.53 ng/Kg	1.53U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.119 ng/Kg	0.119U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.159 ng/Kg	0.159U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.219 ng/Kg	0.219U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.232 ng/Kg	0.232U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0859 ng/Kg	0.0859U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.333 ng/Kg	0.333U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.253 ng/Kg	0.253U ng/Kg
SED-024-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDD	0.0556 ng/Kg	0.0556U ng/Kg
SED-026-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.377 ng/Kg	0.377U ng/Kg
SED-026-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDD	0.0512 ng/Kg	0.0512U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.489 ng/Kg	0.489U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.220 ng/Kg	0.220U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.375 ng/Kg	0.375U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.162 ng/Kg	0.162U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.353 ng/Kg	0.353U ng/Kg
SED-027-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDD	0.141 ng/Kg	0.141U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.233 ng/Kg	0.233U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.172 ng/Kg	0.172U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0860 ng/Kg	0.0860U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0426 ng/Kg	0.0426U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.124 ng/Kg	0.124U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0577 ng/Kg	0.0577U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.141 ng/Kg	0.141U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0878 ng/Kg	0.0878U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0805 ng/Kg	0.0805U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0462 ng/Kg	0.0462U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0787 ng/Kg	0.0787U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0561 ng/Kg	0.0561U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	2,3,7,8-TCDD	0.0226 ng/Kg	0.0226U ng/Kg
SL-002-SA5C-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0199 ng/Kg	0.0199U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX023 Laboratory: LL

EDD Filename: DX023_v1. eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

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

Method Blank Outlier Report

Lab Reporting Batch ID: DX023 **Laboratory: LL**

EDD Filename: DX023_v1. **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

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

Internal Standard Outlier Report

Lab Reporting Batch ID: DX023 **Laboratory: LL**

EDD Filename: DX023_v1. **eQAPP Name: CDM_SSFL_110509**

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

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX023 Laboratory: LL

EDD Filename: DX023_v1. eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

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

Method: 1613B

Matrix: SO

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX023 **Laboratory: LL**

EDD Filename: DX023_v1. **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX023 **Laboratory: LL**

EDD Filename: DX023_v1. **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX023 **Laboratory: LL**

EDD Filename: DX023_v1. **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX023 **Laboratory: LL**

EDD Filename: DX023_v1. **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

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

LDC #: 25340B21

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Page: 1 of 1
Reviewer: AL
2nd Reviewer: TA

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

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

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

#	Date	Compound	Finding	Associated Samples	Qualifications
		OCDD	> calibration range	SL-129-SA5B-SS-0.0-0.5	J det / P

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX024

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

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

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX024 Laboratory: LL

EDD Filename: DX024_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-016-SIV-SD-0.0-0.5 *Collected:* 12/15/2010 1:41:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	2.18	JB	0.0487	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.42	JB	0.0539	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	2.82	JB	0.0451	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	5.06	JB	0.0494	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.495	JBQ	0.0674	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.820	JQ	0.0609	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.363	JBQ	0.0208	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	4.66	JB	0.0528	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.247	JBQ	0.0225	MDL	5.58	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.120	JQ	0.0287	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0902	JBQ	0.0305	MDL	1.12	PQL	ng/Kg	J	Z
OCDD	7800	EB	0.194	MDL	11.2	PQL	ng/Kg	J	*XI

Sample ID: SED-018-SIV-SD-0.0-0.5 *Collected:* 12/15/2010 12:31:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SED-021-SIV-SD-0.0-0.5 *Collected:* 12/15/2010 9:21:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.816	JB	0.0403	MDL	5.27	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX024 **Laboratory:** LL

EDD Filename: DX024_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-021-SIV-SD-0.0-0.5 *Collected:* 12/15/2010 9:21:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.391	JBQ	0.0338	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.324	JB	0.0297	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	2.24	JB	0.0351	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.343	JB	0.0248	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.745	JB	0.0356	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0774	JBQ	0.0387	MDL	5.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.170	JQ	0.0409	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.192	JBQ	0.0148	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.513	JB	0.0278	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.165	JBQ	0.0158	MDL	5.27	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0453	JQ	0.0253	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0483	JB	0.0267	MDL	1.05	PQL	ng/Kg	U	B

Sample ID: SL-131-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 11:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.05	JB	0.0975	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.966	JB	0.0958	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.866	JB	0.0602	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	3.99	JB	0.0976	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.815	JB	0.0570	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.38	JB	0.101	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.498	JB	0.0653	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.537	JQ	0.0970	MDL	5.25	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.491	JB	0.0455	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.893	JB	0.0574	MDL	5.25	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.730	JB	0.0430	MDL	5.25	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0653	JQ	0.0590	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.209	JB	0.0565	MDL	1.05	PQL	ng/Kg	J	Z

Sample ID: SL-132-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 11:05:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.59	JB	0.0364	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.285	JB	0.0456	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.574	JB	0.0409	MDL	5.63	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX024 **Laboratory:** LL

EDD Filename: DX024_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-132-SA5B-SS-0.0-0.5 ***Collected:*** 12/15/2010 11:05:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.469	JB	0.0358	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.04	JBQ	0.0412	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.289	JBQ	0.0346	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.775	JB	0.0358	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.180	JBQ	0.0318	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.325	JQ	0.0500	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.337	JB	0.0609	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.343	JB	0.0319	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.851	JB	0.0586	MDL	5.63	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0517	JQ	0.0185	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.02	JB	0.0666	MDL	1.13	PQL	ng/Kg	J	Z

Sample ID: SL-133-SA5B-SS-0.0-0.5 ***Collected:*** 12/15/2010 10:55:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.593	JB	0.0779	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.654	JB	0.0491	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.438	JBQ	0.0380	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.27	JB	0.0542	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.351	JB	0.0335	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.12	JB	0.0560	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.233	JB	0.0492	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.501	J	0.0472	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.182	JBQ	0.0458	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.536	JB	0.0385	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.875	JB	0.0441	MDL	5.36	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.161	J	0.0282	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.610	JB	0.0529	MDL	1.07	PQL	ng/Kg	J	Z

Sample ID: SL-134-SA5B-SS-0.0-0.5 ***Collected:*** 12/15/2010 10:55:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.685	JB	0.0493	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.844	JB	0.0400	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.547	JB	0.0277	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.10	JB	0.0408	MDL	5.26	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX024 Laboratory: LL

EDD Filename: DX024_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-134-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 10:55:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.441	JB	0.0264	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.00	JB	0.0428	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.184	JB	0.0322	MDL	5.26	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	1.40	JQ	0.0638	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.359	JB	0.0229	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.551	JB	0.0267	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.510	JB	0.0196	MDL	5.26	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.857	J	0.0557	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.297	JB	0.0427	MDL	1.05	PQL	ng/Kg	J	Z

Sample ID: SL-135-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 11:13:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SL-136-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 1:50:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.32	JB	0.0581	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.24	JB	0.0393	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.20	JB	0.0394	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	4.26	JB	0.0409	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.08	JB	0.0395	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.05	JB	0.0416	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.794	JB	0.0438	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.719	J	0.0604	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.789	JB	0.0332	MDL	5.48	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX024 **Laboratory:** LL

EDD Filename: DX024_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-136-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 1:50:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	1.18	JB	0.0380	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.82	JB	0.0305	MDL	5.48	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0729	JQ	0.0359	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.791	JB	0.0660	MDL	1.10	PQL	ng/Kg	J	Z

Sample ID: SL-149-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 3:50:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.16	JB	0.0384	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.921	JB	0.0276	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.752	JB	0.0233	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.52	JB	0.0283	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.861	JB	0.0221	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.03	JB	0.0285	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.281	JB	0.0259	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.461	J	0.0416	MDL	5.22	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.869	JB	0.0192	MDL	5.22	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.883	JB	0.0227	MDL	5.22	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.589	JB	0.0176	MDL	5.22	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0659	J	0.0201	MDL	1.04	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.282	JB	0.0410	MDL	1.04	PQL	ng/Kg	J	Z

Sample ID: SL-150-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 3:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	1.94	JB	0.0326	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.39	JB	0.0295	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	2.60	JB	0.0283	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	4.07	JB	0.0346	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.444	JB	0.0352	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.697	J	0.0474	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.671	JB	0.0184	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	3.13	JB	0.0294	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.708	JB	0.0169	MDL	5.26	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0833	J	0.0218	MDL	1.05	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.277	JBQ	0.0367	MDL	1.05	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX024 **Laboratory:** LL

EDD Filename: DX024_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-153-SA5B-SS-0.0-0.5 ***Collected:*** 12/15/2010 2:08:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.02	JB	0.0501	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.53	JB	0.0281	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.47	JB	0.0273	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.38	JB	0.0259	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	5.44	JB	0.0291	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.874	JB	0.0302	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.14	J	0.0453	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.628	JB	0.0189	MDL	5.76	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.83	JB	0.0266	MDL	5.76	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.920	JB	0.0179	MDL	5.76	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.161	JQ	0.0212	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.461	JB	0.0440	MDL	1.15	PQL	ng/Kg	J	Z

Sample ID: SL-155-SA5B-SS-0.0-0.5 ***Collected:*** 12/15/2010 1:41:00 ***Analysis Type:*** RES ***Dilution:*** 1

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

Sample ID: SL-156-SA5B-SS-0.0-0.5 ***Collected:*** 12/15/2010 1:32:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.99	JB	0.0456	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.84	JB	0.0410	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.85	JB	0.0364	MDL	5.37	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX024 **Laboratory:** LL

EDD Filename: DX024_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-156-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 1:32:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SL-181-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 3:26:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.686	JB	0.0711	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.801	JB	0.0858	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.488	JB	0.0523	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.90	JB	0.0821	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.383	JB	0.0526	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.08	JB	0.0747	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.603	JBQ	0.0725	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.540	J	0.0871	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.203	JB	0.0250	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.448	JB	0.0577	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.483	JBQ	0.0310	MDL	5.43	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.195	JB	0.0563	MDL	1.09	PQL	ng/Kg	J	Z

Sample ID: SL-203-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 3:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.73	JB	0.0266	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.292	JBQ	0.0461	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.238	JB	0.0346	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.271	JBQ	0.0314	MDL	5.45	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.760	JB	0.0369	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.240	JBQ	0.0263	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.655	JB	0.0406	MDL	5.45	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX024 **Laboratory:** LL

EDD Filename: DX024_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-203-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 3:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.199	JB	0.0358	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.166	J	0.0367	MDL	5.45	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.483	JB	0.0167	MDL	5.45	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.238	JB	0.0300	MDL	5.45	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.197	JB	0.0172	MDL	5.45	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0484	JQ	0.0193	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0825	JBQ	0.0284	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	6.06	JB	0.0520	MDL	10.9	PQL	ng/Kg	J	Z

Sample ID: SL-204-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 3:51:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SL-257-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 1:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.86	JB	0.0383	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.63	JB	0.0314	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.77	JB	0.0272	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	4.40	JB	0.0324	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.16	JB	0.0257	MDL	5.56	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX024 **Laboratory:** LL

EDD Filename: DX024_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-257-SA5B-SS-0.0-0.5 *Collected:* 12/15/2010 1:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDD	3.15	JB	0.0317	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.863	JB	0.0294	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.851	J	0.0441	MDL	5.56	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.723	JB	0.0178	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.38	JB	0.0262	MDL	5.56	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.980	JB	0.0172	MDL	5.56	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.106	JQ	0.0169	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.367	JB	0.0377	MDL	1.11	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX024 **Laboratory: LL**

EDD Filename: DX024_v1 **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

Data Qualifier Summary

Lab Reporting Batch ID: DX024 **Laboratory: LL**

EDD Filename: DX024_v1 **eQAPP Name: CDM_SSFL_110509**

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

Data Qualifier Summary

Lab Reporting Batch ID: DX024 **Laboratory: LL**

EDD Filename: DX024_v1 **eQAPP Name: CDM_SSFL_110509**

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

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control
Outlier Reports

DX024

Method Blank Outlier Report

Lab Reporting Batch ID: DX024 **Laboratory: LL**

EDD Filename: DX024_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370401	1/19/2011 4:01:00 AM	1,2,3,4,6,7,8-HPCDD	0.118 ng/Kg	SED-016-SIV-SD-0.0-0.5
		1,2,3,4,6,7,8-HPCDF	0.117 ng/Kg	SED-018-SIV-SD-0.0-0.5
		1,2,3,4,7,8,9-HPCDF	0.0646 ng/Kg	SED-021-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HxCDD	0.0156 ng/Kg	SL-131-SA5B-SS-0.0-0.5
		1,2,3,4,7,8-HXCDF	0.0698 ng/Kg	SL-132-SA5B-SS-0.0-0.5
		1,2,3,6,7,8-HXCDD	0.0249 ng/Kg	SL-133-SA5B-SS-0.0-0.5
		1,2,3,6,7,8-HXCDF	0.0377 ng/Kg	SL-134-SA5B-SS-0.0-0.5
		1,2,3,7,8,9-HXCDD	0.0161 ng/Kg	SL-135-SA5B-SS-0.0-0.5
		1,2,3,7,8,9-HXCDF	0.0373 ng/Kg	SL-136-SA5B-SS-0.0-0.5
		1,2,3,7,8-PECDF	0.0239 ng/Kg	SL-149-SA5B-SS-0.0-0.5
		2,3,4,6,7,8-HXCDF	0.0505 ng/Kg	SL-150-SA5B-SS-0.0-0.5
		2,3,4,7,8-PECDF	0.0586 ng/Kg	SL-153-SA5B-SS-0.0-0.5
		2,3,7,8-TCDF	0.0160 ng/Kg	SL-155-SA5B-SS-0.0-0.5
		OCDD	0.366 ng/Kg	SL-156-SA5B-SS-0.0-0.5
		OCDF	0.220 ng/Kg	SL-181-SA5B-SS-0.0-0.5
				SL-203-SA5B-SS-0.0-0.5
				SL-204-SA5B-SS-0.0-0.5
				SL-257-SA5B-SS-0.0-0.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
SED-016-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.247 ng/Kg	0.247U ng/Kg
SED-018-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.205 ng/Kg	0.205U ng/Kg
SED-018-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.178 ng/Kg	0.178U ng/Kg
SED-018-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.159 ng/Kg	0.159U ng/Kg
SED-018-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.249 ng/Kg	0.249U ng/Kg
SED-021-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.324 ng/Kg	0.324U ng/Kg
SED-021-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0774 ng/Kg	0.0774U ng/Kg
SED-021-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.165 ng/Kg	0.165U ng/Kg
SED-021-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDF	0.0483 ng/Kg	0.0483U ng/Kg
SL-132-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.285 ng/Kg	0.285U ng/Kg
SL-132-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.180 ng/Kg	0.180U ng/Kg
SL-134-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.184 ng/Kg	0.184U ng/Kg
SL-155-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.222 ng/Kg	0.222U ng/Kg
SL-155-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.202 ng/Kg	0.202U ng/Kg
SL-155-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.275 ng/Kg	0.275U ng/Kg
SL-203-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.292 ng/Kg	0.292U ng/Kg
SL-203-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.271 ng/Kg	0.271U ng/Kg
SL-203-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.238 ng/Kg	0.238U ng/Kg
SL-203-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.197 ng/Kg	0.197U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.265 ng/Kg	0.265U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.173 ng/Kg	0.173U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.116 ng/Kg	0.116U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.247 ng/Kg	0.247U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.260 ng/Kg	0.260U ng/Kg
SL-204-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0681 ng/Kg	0.0681U ng/Kg

Reporting Limit Outliers

Lab Reporting Batch ID: DX024 **Laboratory: LL**

EDD Filename: DX024_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX024 **Laboratory: LL**

EDD Filename: DX024_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-132-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.59	5.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.285	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.574	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.469	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	1.04	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.289	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.775	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.180	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JQ	0.325	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.337	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.343	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.851	5.63	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0517	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	1.02	1.13	PQL	ng/Kg	
SL-133-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.593	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.654	5.36	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.438	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.27	5.36	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.351	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.12	5.36	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.233	5.36	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	J	0.501	5.36	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.182	5.36	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.536	5.36	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.875	5.36	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.161	1.07	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.610	1.07	PQL	ng/Kg	
SL-134-SA5B-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	0.685	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.844	5.26	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.547	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.10	5.26	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.441	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	2.00	5.26	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.184	5.26	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JQ	1.40	5.26	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.359	5.26	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.551	5.26	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.510	5.26	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.857	1.05	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.297	1.05	PQL	ng/Kg	
SL-135-SA5B-SS-0.0-0.5	1,2,3,4,7,8-HXCDF	JB	4.87	5.56	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	4.26	5.56	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.52	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	5.35	5.56	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	1.38	5.56	PQL	ng/Kg	J (all detects)
	2,3,4,6,7,8-HXCDF	JB	5.26	5.56	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.74	5.56	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.801	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.896	1.11	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX024 **Laboratory: LL**

EDD Filename: DX024_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX024 **Laboratory: LL**

EDD Filename: DX024_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX024 **Laboratory: LL**

EDD Filename: DX024_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

LDC #: 25550 K 21

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Reviewer: A
2nd Reviewer: L

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

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

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

#	Date	Compound	Finding	Associated Samples	Qualifications
		OCDD	7 calibration ranges	SL-135-SASB-SS-0.0-0.5	J dt/P
		↓		SED-0116-SIV-SD-0.0-0.5	↓

Comments: See sample calculation verification worksheet for recalculations

SAMPLE DELIVERY GROUP

DX026

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

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

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX026 **Laboratory:** LL

EDD Filename: DX026_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-011-SIV-SD-0.0-0.5 *Collected:* 12/16/2010 2:18:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SED-013-SIV-SD-0.0-0.5 *Collected:* 12/16/2010 3:26:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.11	JB	0.0385	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.48	JB	0.0316	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.855	JB	0.0260	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	3.74	JB	0.0328	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.743	JB	0.0234	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.00	JB	0.0314	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.259	JB	0.0272	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.847	JBQ	0.0495	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.551	JB	0.0180	MDL	5.75	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.972	JB	0.0254	MDL	5.75	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.680	JB	0.0182	MDL	5.75	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0815	JQ	0.0213	MDL	1.15	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.355	JB	0.0380	MDL	1.15	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX026 **Laboratory:** LL

EDD Filename: DX026_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-017-SIV-SD-0.0-0.5 *Collected:* 12/16/2010 10:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	3.16	JB	0.0563	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	4.07	JB	0.0350	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.31	JB	0.0347	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.35	JB	0.0314	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	5.15	JB	0.0353	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.332	JB	0.0388	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.963	JB	0.0547	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.661	JB	0.0247	MDL	5.65	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.20	JB	0.0345	MDL	5.65	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.11	JB	0.0245	MDL	5.65	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.190	J	0.0263	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.501	JB	0.0533	MDL	1.13	PQL	ng/Kg	J	Z

Sample ID: SED-019-SIV-SD-0.0-0.5 *Collected:* 12/16/2010 9:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	2.48	JB	0.153	MDL	6.74	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	4.86	JBQ	0.240	MDL	6.74	PQL	ng/Kg	J	Z
OCDD	24600	EB	0.396	MDL	13.5	PQL	ng/Kg	J	*XI

Sample ID: SED-020-SIV-SD-0.0-0.5 *Collected:* 12/16/2010 11:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	4.32	JBQ	0.210	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.51	JB	0.0601	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.31	JB	0.0466	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.40	JB	0.0440	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.322	JB	0.0536	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.07	JB	0.0914	MDL	5.43	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.971	JB	0.0286	MDL	5.43	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.26	JB	0.0448	MDL	5.43	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX026 Laboratory: LL

EDD Filename: DX026_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-020-SIV-SD-0.0-0.5 *Collected:* 12/16/2010 11:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.802	JB	0.0286	MDL	5.43	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.284	JQ	0.0353	MDL	1.09	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.492	JBQ	0.0529	MDL	1.09	PQL	ng/Kg	J	Z

Sample ID: SL-147-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 8:55:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.38	JB	0.148	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.06	JBQ	0.0596	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	1.30	JBQ	0.0441	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	5.50	JB	0.0612	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.39	JB	0.0423	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.99	JB	0.0611	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.445	JB	0.0497	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.19	JB	0.0800	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	2.05	JB	0.0294	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.61	JB	0.0428	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.02	JB	0.0284	MDL	5.72	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.141	JQ	0.0318	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.535	JB	0.0629	MDL	1.14	PQL	ng/Kg	J	Z

Sample ID: SL-169-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 1:37:00 *Analysis Type:* RES *Dilution:* 1

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

Data Qualifier Summary

Lab Reporting Batch ID: DX026 **Laboratory:** LL

EDD Filename: DX026_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-172-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 1:52:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SL-173-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 1:12:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SL-176-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 9:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.98	JB	0.134	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.58	JBQ	0.155	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	4.68	JB	0.103	MDL	5.26	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX026 **Laboratory:** LL

EDD Filename: DX026_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-176-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 9:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDD	5.20	JB	0.158	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	3.10	JB	0.0989	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	3.59	JB	0.158	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.31	JBQ	0.115	MDL	5.26	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.08	JBQ	0.249	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	2.46	JB	0.105	MDL	5.26	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	4.69	JB	0.103	MDL	5.26	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	6.42	B	0.261	MDL	1.05	PQL	ng/Kg		Z

Sample ID: SL-178-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 9:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	2.81	JB	0.214	MDL	6.42	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	5.60	JBQ	0.161	MDL	6.42	PQL	ng/Kg	J	Z
OCDD	15300	EB	0.571	MDL	12.8	PQL	ng/Kg	J	*XI

Sample ID: SL-186-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 10:56:00 *Analysis Type:* RES *Dilution:* 1

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

Data Qualifier Summary

Lab Reporting Batch ID: DX026 **Laboratory:** LL

EDD Filename: DX026_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-187-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 11:19:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	1.65	JB	0.198	MDL	5.30	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	1.60	JB	0.0660	MDL	5.30	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.32	JB	0.0665	MDL	5.30	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.876	J	0.0702	MDL	1.06	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.228	JB	0.136	MDL	1.06	PQL	ng/Kg	U	B
OCDD	23500	EB	0.434	MDL	10.6	PQL	ng/Kg	J	*XI

Sample ID: SL-189-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 11:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.570	JB	0.111	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.542	JBQ	0.0902	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.307	JBQ	0.0734	MDL	5.37	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.68	JB	0.0914	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.372	JBQ	0.0670	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.86	JB	0.0857	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.472	JBQ	0.0800	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.414	JBQ	0.0788	MDL	5.37	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.459	JB	0.0394	MDL	5.37	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.351	JB	0.0725	MDL	5.37	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.379	JBQ	0.0378	MDL	5.37	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0470	JQ	0.0424	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.102	JB	0.0725	MDL	1.07	PQL	ng/Kg	U	B
OCDD	508	B	0.115	MDL	10.7	PQL	ng/Kg	J	Q

Sample ID: SL-192-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 11:04:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	5.18	JB	0.171	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.04	JBQ	0.130	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.745	JBQ	0.132	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	4.22	JBQ	0.132	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.877	JB	0.121	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.18	JB	0.130	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.11	JB	0.140	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.537	JB	0.131	MDL	5.38	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX026 **Laboratory:** LL

EDD Filename: DX026_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-192-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 11:04:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.622	JB	0.128	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.45	JB	0.128	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.19	JBQ	0.119	MDL	5.38	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.126	JQ	0.0843	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-194-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 1:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.619	JBQ	0.0875	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.463	JB	0.0873	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.410	JB	0.0763	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.42	JB	0.0909	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.483	JB	0.0726	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.988	JBQ	0.0874	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.359	JB	0.0824	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.250	JBQ	0.0808	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.570	JB	0.0728	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.476	JB	0.0738	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.246	JB	0.0707	MDL	5.54	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.218	JB	0.113	MDL	1.11	PQL	ng/Kg	U	B

Sample ID: SL-196-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 1:12:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.22	JB	0.0563	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.451	JB	0.0776	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.420	JB	0.0899	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.493	JBQ	0.0888	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.30	JB	0.0911	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.531	JB	0.0799	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.22	JB	0.0909	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.431	JB	0.0972	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.351	JBQ	0.0996	MDL	5.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.807	JB	0.0708	MDL	5.27	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.428	JB	0.0848	MDL	5.27	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.670	JB	0.0698	MDL	5.27	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX026 **Laboratory:** LL

EDD Filename: DX026_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-196-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 1:12:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.165	JBQ	0.122	MDL	1.05	PQL	ng/Kg	U	B

Sample ID: SL-198-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 10:59:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.12	JBQ	0.110	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.12	JB	0.123	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.560	JBQ	0.0973	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.67	JB	0.125	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.651	JB	0.0907	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	2.29	JBQ	0.130	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.405	JBQ	0.105	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.529	JB	0.128	MDL	5.34	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.544	JB	0.0598	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.727	JBQ	0.0923	MDL	5.34	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.642	JB	0.0567	MDL	5.34	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0909	J	0.0682	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.247	JB	0.112	MDL	1.07	PQL	ng/Kg	U	B

Sample ID: SL-199-SA5B-SS-0.0-0.5 *Collected:* 12/16/2010 1:23:00 *Analysis Type:* RES *Dilution:* 1

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

Data Qualifier Summary

Lab Reporting Batch ID: DX026 **Laboratory:** LL

EDD Filename: DX026_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-199-SA5B-SS-0.0-0.5 ***Collected:*** 12/16/2010 1:23:00 ***Analysis Type:*** RES ***Dilution:*** 1

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

Sample ID: SL-202-SA5B-SS-0.0-0.5 ***Collected:*** 12/16/2010 2:23:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.565	JB	0.0672	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.578	JBQ	0.113	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.351	JBQ	0.0792	MDL	5.36	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	2.71	JBQ	0.119	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.366	JBQ	0.0750	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.31	JB	0.119	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.376	JBQ	0.0818	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.351	JBQ	0.100	MDL	5.36	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.574	JB	0.0637	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.687	JB	0.0755	MDL	5.36	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.443	JB	0.0606	MDL	5.36	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0725	JQ	0.0701	MDL	1.07	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.194	JBQ	0.155	MDL	1.07	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX026 **Laboratory: LL**

EDD Filename: DX026_v1 **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

Data Qualifier Summary

Lab Reporting Batch ID: DX026 **Laboratory: LL**

EDD Filename: DX026_v1 **eQAPP Name: CDM_SSFL_110509**

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

Data Qualifier Summary

Lab Reporting Batch ID: DX026 **Laboratory: LL**

EDD Filename: DX026_v1 **eQAPP Name: CDM_SSFL_110509**

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

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control
Outlier Reports

DX026

Method Blank Outlier Report

Lab Reporting Batch ID: DX026 **Laboratory: LL**

EDD Filename: DX026_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370343	1/21/2011 3:43:00 AM	1,2,3,4,6,7,8-HPCDD	0.172 ng/Kg	SED-011-SIV-SD-0.0-0.5
		1,2,3,4,6,7,8-HPCDF	0.295 ng/Kg	SED-013-SIV-SD-0.0-0.5
		1,2,3,4,7,8,9-HPCDF	0.0694 ng/Kg	SED-017-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HxCDD	0.0377 ng/Kg	SED-019-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HXCDF	0.0876 ng/Kg	SED-020-SIV-SD-0.0-0.5
		1,2,3,6,7,8-HXCDD	0.0525 ng/Kg	SL-147-SA5B-SS-0.0-0.5
		1,2,3,6,7,8-HXCDF	0.0702 ng/Kg	SL-169-SA5B-SS-0.0-0.5
		1,2,3,7,8,9-HXCDD	0.0432 ng/Kg	SL-172-SA5B-SS-0.0-0.5
		1,2,3,7,8,9-HXCDF	0.0636 ng/Kg	SL-173-SA5B-SS-0.0-0.5
		1,2,3,7,8-PECDD	0.0325 ng/Kg	SL-176-SA5B-SS-0.0-0.5
		1,2,3,7,8-PECDF	0.0530 ng/Kg	SL-178-SA5B-SS-0.0-0.5
		2,3,4,6,7,8-HXCDF	0.108 ng/Kg	SL-186-SA5B-SS-0.0-0.5
		2,3,4,7,8-PECDF	0.0835 ng/Kg	SL-187-SA5B-SS-0.0-0.5
		2,3,7,8-TCDF	0.0100 ng/Kg	SL-189-SA5B-SS-0.0-0.5
		OCDD	0.339 ng/Kg	SL-192-SA5B-SS-0.0-0.5
		OCDF	0.270 ng/Kg	SL-194-SA5B-SS-0.0-0.5
				SL-196-SA5B-SS-0.0-0.5
				SL-198-SA5B-SS-0.0-0.5
				SL-199-SA5B-SS-0.0-0.5
				SL-202-SA5B-SS-0.0-0.5
PBB371506	2/4/2011 3:06:00 PM	2,3,7,8-TCDF	0.0580 ng/Kg	SED-011-SIV-SD-0.0-0.5
				SED-013-SIV-SD-0.0-0.5
				SED-017-SIV-SD-0.0-0.5
				SED-019-SIV-SD-0.0-0.5
				SED-020-SIV-SD-0.0-0.5
				SL-147-SA5B-SS-0.0-0.5
				SL-169-SA5B-SS-0.0-0.5
				SL-172-SA5B-SS-0.0-0.5
				SL-173-SA5B-SS-0.0-0.5
				SL-176-SA5B-SS-0.0-0.5
				SL-178-SA5B-SS-0.0-0.5
				SL-186-SA5B-SS-0.0-0.5
				SL-187-SA5B-SS-0.0-0.5
				SL-189-SA5B-SS-0.0-0.5
				SL-192-SA5B-SS-0.0-0.5
				SL-194-SA5B-SS-0.0-0.5
				SL-196-SA5B-SS-0.0-0.5
				SL-198-SA5B-SS-0.0-0.5
				SL-199-SA5B-SS-0.0-0.5
				SL-202-SA5B-SS-0.0-0.5

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

Sample ID	Analyte	Reported Result	Modified Final Result
SED-011-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.391 ng/Kg	0.391U ng/Kg
SED-011-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.342 ng/Kg	0.342U ng/Kg
SED-011-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.132 ng/Kg	0.132U ng/Kg
SED-011-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.436 ng/Kg	0.436U ng/Kg
SED-011-SIV-SD-0.0-0.5(RES)	2,3,7,8-TCDF	0.219 ng/Kg	0.219U ng/Kg
SED-013-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.259 ng/Kg	0.259U ng/Kg
SL-172-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.225 ng/Kg	0.225U ng/Kg
SL-173-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.216 ng/Kg	0.216U ng/Kg
SL-186-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.191 ng/Kg	0.191U ng/Kg
SL-187-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.228 ng/Kg	0.228U ng/Kg
SL-189-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.307 ng/Kg	0.307U ng/Kg
SL-189-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.351 ng/Kg	0.351U ng/Kg
SL-189-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.379 ng/Kg	0.379U ng/Kg
SL-189-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.102 ng/Kg	0.102U ng/Kg

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

Method Blank Outlier Report

Lab Reporting Batch ID: DX026 Laboratory: LL

EDD Filename: DX026_v1 eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-194-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.410 ng/Kg	0.410U ng/Kg
SL-194-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.476 ng/Kg	0.476U ng/Kg
SL-194-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.246 ng/Kg	0.246U ng/Kg
SL-194-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.218 ng/Kg	0.218U ng/Kg
SL-196-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.428 ng/Kg	0.428U ng/Kg
SL-196-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.165 ng/Kg	0.165U ng/Kg
SL-198-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.247 ng/Kg	0.247U ng/Kg
SL-199-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.393 ng/Kg	0.393U ng/Kg
SL-199-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.161 ng/Kg	0.161U ng/Kg
SL-202-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.351 ng/Kg	0.351U ng/Kg
SL-202-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.194 ng/Kg	0.194U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX026 **Laboratory: LL**

EDD Filename: DX026_v1 **eQAPP Name: CDM_SSFL_110509**

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

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
SL-189-SA5B-SS-0.0-0.5MS SL-189-SA5B-SS-0.0-0.5MSD (SL-189-SA5B-SS-0.0-0.5)	OCDD	167	228	40.00-135.00	-	OCDD	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: DX026 **Laboratory: LL**

EDD Filename: DX026_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX026 **Laboratory: LL**

EDD Filename: DX026_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX026 **Laboratory: LL**

EDD Filename: DX026_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX026 **Laboratory: LL**

EDD Filename: DX026_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX026 **Laboratory: LL**

EDD Filename: DX026_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

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

SAMPLE DELIVERY GROUP

DX029

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

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

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX029 Laboratory: LL

EDD Filename: PrepDX029_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** AQ

Sample ID: EB01-SIV-121710 *Collected:* 12/17/2010 12:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.91	JBQ	0.177	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.69	JB	0.0843	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.377	JBQ	0.0955	MDL	10.8	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.522	JB	0.113	MDL	10.8	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.185	JBQ	0.144	MDL	10.8	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.325	JBQ	0.107	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.194	JBQ	0.146	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.252	JBQ	0.108	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.529	JBQ	0.283	MDL	10.8	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.139	JBQ	0.114	MDL	10.8	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.283	JBQ	0.101	MDL	10.8	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.626	JB	0.0958	MDL	10.8	PQL	pg/L	U	B
2,3,7,8-TCDD	0.546	U	0.546	MDL	2.16	PQL	pg/L	UJ	I
OCDD	13.7	JB	0.197	MDL	21.6	PQL	pg/L	J	Z
OCDF	1.41	JBQ	0.198	MDL	21.6	PQL	pg/L	U	B

Sample ID: EB05-SA5B-121710 *Collected:* 12/17/2010 12:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.726	JBQ	0.214	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	1.18	JBQ	0.0890	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.193	JBQ	0.103	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.379	JBQ	0.114	MDL	10.9	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.332	JBQ	0.111	MDL	10.9	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.250	JBQ	0.179	MDL	10.9	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.355	JBQ	0.112	MDL	10.9	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.220	JBQ	0.146	MDL	10.9	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.344	JBQ	0.103	MDL	10.9	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.732	JB	0.120	MDL	10.9	PQL	pg/L	U	B
2,3,7,8-TCDD	2.31	U	2.31	MDL	2.31	PQL	pg/L	UJ	I
OCDD	1.35	JB	0.225	MDL	21.8	PQL	pg/L	U	B
OCDF	0.858	JBQ	0.233	MDL	21.8	PQL	pg/L	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX029 Laboratory: LL

EDD Filename: PrepDX029_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: DUP01-SIV-QC-122010 *Collected:* 12/20/2010 8:32:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.18	JB	0.0236	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.230	JB	0.0337	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.178	JBQ	0.0576	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.430	JB	0.0477	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.893	JBQ	0.0590	MDL	6.31	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.379	JB	0.0423	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.927	JB	0.0582	MDL	6.31	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.430	JB	0.0514	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.256	JB	0.0514	MDL	6.31	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.94	JB	0.0419	MDL	6.31	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.516	JB	0.0456	MDL	6.31	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.819	JB	0.0422	MDL	6.31	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0424	JQ	0.0395	MDL	1.26	PQL	ng/Kg	J	Z, FD
OCDF	3.65	JB	0.0494	MDL	12.6	PQL	ng/Kg	J	Z

Sample ID: DUP08-SA5B-QC-121710 *Collected:* 12/17/2010 2:07:00 *Analysis Type:* RES *Dilution:* 1

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

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX029 Laboratory: LL

EDD Filename: PrepDX029_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-001-SIV-SD-0.0-0.5 *Collected:* 12/17/2010 12:41:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SED-003-SIV-SD-0.0-0.5 *Collected:* 12/20/2010 9:46:00 *Analysis Type:* RES *Dilution:* 1

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

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX029 **Laboratory:** LL

EDD Filename: PrepDX029_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-004-SIV-SD-0.0-0.5 *Collected:* 12/17/2010 11:42:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SED-005-SIV-SD-0.0-0.5 *Collected:* 12/20/2010 8:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.11	JB	0.0267	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.261	JBQ	0.0391	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.230	JB	0.0614	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.388	JBQ	0.0514	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.918	JB	0.0655	MDL	6.18	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.404	JBQ	0.0440	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.990	JB	0.0604	MDL	6.18	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.473	JB	0.0564	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.283	JBQ	0.0578	MDL	6.18	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	2.12	JB	0.0476	MDL	6.18	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.438	JB	0.0491	MDL	6.18	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.809	JB	0.0475	MDL	6.18	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0511	U	0.0511	MDL	1.24	PQL	ng/Kg	UJ	FD
OCDF	3.16	JB	0.0512	MDL	12.4	PQL	ng/Kg	J	Z

Sample ID: SED-006-SIV-SD-0.0-0.5 *Collected:* 12/17/2010 3:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.64	JB	0.0543	MDL	6.24	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX029 **Laboratory:** LL

EDD Filename: PrepDX029_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-006-SIV-SD-0.0-0.5 *Collected:* 12/17/2010 3:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.395	JBQ	0.0760	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.375	JB	0.0876	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.544	JB	0.0714	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.69	JB	0.0875	MDL	6.24	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.594	JB	0.0659	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.51	JB	0.0883	MDL	6.24	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.03	JB	0.0748	MDL	6.24	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.38	JB	0.0592	MDL	6.24	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.615	JB	0.0695	MDL	6.24	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.28	JB	0.0603	MDL	6.24	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0794	JQ	0.0486	MDL	1.25	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.10	J	0.147	MDL	1.25	PQL	ng/Kg	J	Z
OCDF	9.52	JB	0.0597	MDL	12.5	PQL	ng/Kg	J	Z

Sample ID: SED-007-SIV-SD-0.0-0.6 *Collected:* 12/20/2010 1:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.00	JB	0.0529	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.782	JB	0.109	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	3.30	JB	0.142	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.45	JB	0.0945	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	1.80	JB	0.106	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.39	JB	0.0738	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.690	JB	0.0710	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.580	JBQ	0.0908	MDL	6.08	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.751	JB	0.0717	MDL	6.08	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.90	JB	0.0607	MDL	6.08	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.16	JB	0.0807	MDL	6.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.130	JQ	0.0521	MDL	1.22	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.307	J	0.166	MDL	1.22	PQL	ng/Kg	J	Z
OCDF	9.62	JB	0.0602	MDL	12.2	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX029 **Laboratory:** LL

EDD Filename: PrepDX029_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-008-SIV-SD-0.0-0.5 *Collected:* 12/20/2010 10:39:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.91	JB	0.0730	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.517	JBQ	0.0941	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.444	JBQ	0.102	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.673	JB	0.0743	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.37	JB	0.103	MDL	7.43	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.695	JB	0.0701	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.28	JB	0.100	MDL	7.43	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.331	JBQ	0.0874	MDL	7.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	3.10	JB	0.0749	MDL	7.43	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.653	JB	0.0738	MDL	7.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.17	JB	0.0719	MDL	7.43	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.10	J	0.158	MDL	1.49	PQL	ng/Kg	J	Z
OCDF	7.73	JB	0.119	MDL	14.9	PQL	ng/Kg	J	Z

Sample ID: SED-012-SIV-SD-0.0-0.5 *Collected:* 12/17/2010 10:24:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SED-014-SIV-SD-0.0-0.5 *Collected:* 12/17/2010 8:44:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	4430	EB	0.410	MDL	5.88	PQL	ng/Kg	J	*XI

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX029 **Laboratory:** LL

EDD Filename: PrepDX029_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-014-SIV-SD-0.0-0.5 *Collected:* 12/17/2010 8:44:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SED-034-SIV-SD-0.0-0.5 *Collected:* 12/20/2010 3:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	3.56	JB	0.0862	MDL	6.43	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.40	JB	0.0540	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.183	JBQ	0.0725	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.139	JBQ	0.0623	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.258	JBQ	0.0509	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.303	JBQ	0.0674	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.215	JB	0.0469	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.266	JB	0.0620	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.133	JBQ	0.0553	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0979	JB	0.0481	MDL	6.43	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.190	JB	0.0389	MDL	6.43	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.369	JB	0.0490	MDL	6.43	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.572	JB	0.0386	MDL	6.43	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.194	JQ	0.0753	MDL	1.29	PQL	ng/Kg	U	B
OCDF	2.13	JB	0.0815	MDL	12.9	PQL	ng/Kg	U	B

Sample ID: SED-037-SIV-SD-0.0-0.5 *Collected:* 12/20/2010 2:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.92	JB	0.0450	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.454	JB	0.0570	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.876	JB	0.0732	MDL	6.98	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.857	JB	0.0630	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	3.80	JB	0.0788	MDL	6.98	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX029 Laboratory: LL

EDD Filename: PrepDX029_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SED-037-SIV-SD-0.0-0.5 *Collected:* 12/20/2010 2:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.664	JB	0.0589	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	2.40	JB	0.0728	MDL	6.98	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.353	JBQ	0.0656	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.903	JBQ	0.121	MDL	6.98	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	1.57	JB	0.0606	MDL	6.98	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.819	JB	0.0603	MDL	6.98	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	1.16	JB	0.0578	MDL	6.98	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.139	JQ	0.0807	MDL	1.40	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	1.19	J	0.152	MDL	1.40	PQL	ng/Kg	J	Z
OCDF	8.47	JB	0.0793	MDL	14.0	PQL	ng/Kg	J	Z

Sample ID: SL-026-SA5B-SB-4.0-5.0 *Collected:* 12/17/2010 3:08:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SL-026-SA5B-SB-9.0-10 *Collected:* 12/17/2010 3:19:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.293	JB	0.0418	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.425	JB	0.0195	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0481	JBQ	0.0246	MDL	5.46	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: PrepDX029_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: SL-026-SA5B-SB-9.0-10 *Collected:* 12/17/2010 3:19:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.0869	JBQ	0.0237	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0607	JBQ	0.0324	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0610	JB	0.0226	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0935	JBQ	0.0308	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0646	JBQ	0.0262	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0558	JBQ	0.0381	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0518	JBQ	0.0203	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.160	JBQ	0.0230	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.108	JBQ	0.0202	MDL	5.46	PQL	ng/Kg	U	B
OCDD	1.26	JB	0.0464	MDL	10.9	PQL	ng/Kg	U	B
OCDF	0.365	JB	0.0471	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-281-SA5B-SB-4.0-5.0 *Collected:* 12/17/2010 12:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.625	JB	0.0600	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.454	JB	0.0231	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0894	JB	0.0309	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.130	JBQ	0.0276	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0948	JB	0.0387	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0748	JB	0.0243	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.109	JB	0.0370	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.217	JBQ	0.0329	MDL	5.97	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0767	JBQ	0.0294	MDL	5.97	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.127	JBQ	0.0270	MDL	5.97	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.135	JB	0.0307	MDL	5.97	PQL	ng/Kg	U	B
OCDD	2.34	JB	0.0472	MDL	11.9	PQL	ng/Kg	U	B
OCDF	0.399	JBQ	0.0613	MDL	11.9	PQL	ng/Kg	U	B

Sample ID: SL-281-SA5B-SB-8.0-9.0 *Collected:* 12/17/2010 12:37:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.797	JB	0.0628	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.491	JB	0.0225	MDL	5.71	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0860	JB	0.0322	MDL	5.71	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: PrepDX029_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: SL-281-SA5B-SB-8.0-9.0 *Collected:* 12/17/2010 12:37:00 *Analysis Type:* RES *Dilution:* 1

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

Sample ID: SL-282-SA5B-SB-4.0-5.0 *Collected:* 12/17/2010 10:20:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.02	JB	0.0686	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.645	JB	0.0303	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0727	JBQ	0.0385	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0465	JBQ	0.0371	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.144	JBQ	0.0359	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.144	JB	0.0374	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.124	JBQ	0.0329	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.182	JBQ	0.0373	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.263	JB	0.0397	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.118	JBQ	0.0466	MDL	5.47	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.125	JB	0.0292	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.192	JBQ	0.0353	MDL	5.47	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.140	JBQ	0.0282	MDL	5.47	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0693	JQ	0.0575	MDL	1.09	PQL	ng/Kg	U	B
OCDF	0.785	JB	0.0617	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-282-SA5B-SB-7.0-8.0 *Collected:* 12/17/2010 10:28:00 *Analysis Type:* RES *Dilution:* 1

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

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: PrepDX029_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: SL-282-SA5B-SB-7.0-8.0 *Collected:* 12/17/2010 10:28:00 *Analysis Type:* RES *Dilution:* 1

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: PrepDX029_v1 **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: PrepDX029_v1 **eQAPP Name: CDM_SSFL_110509**

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

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: PrepDX029_v1 **eQAPP Name: CDM_SSFL_110509**

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

* denotes a non-reportable result

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control
Outlier Reports

DX029

Method Blank Outlier Report

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371629	12/30/2010 4:29:00 PM	1,2,3,4,6,7,8-HPCDD	1.35 pg/L	EB01-SIV-121710
		1,2,3,4,6,7,8-HPCDF	1.41 pg/L	EB05-SA5B-121710
		1,2,3,4,7,8,9-HPCDF	0.582 pg/L	
		1,2,3,4,7,8-HxCDD	0.485 pg/L	
		1,2,3,4,7,8-HXCDF	0.599 pg/L	
		1,2,3,6,7,8-HXCDD	0.512 pg/L	
		1,2,3,6,7,8-HXCDF	0.568 pg/L	
		1,2,3,7,8,9-HXCDD	0.483 pg/L	
		1,2,3,7,8,9-HXCDF	0.637 pg/L	
		1,2,3,7,8-PECDD	0.684 pg/L	
		1,2,3,7,8-PECDF	0.474 pg/L	
		2,3,4,6,7,8-HXCDF	0.505 pg/L	
		2,3,4,7,8-PECDF	0.810 pg/L	
		2,3,7,8-TCDD	2.81 pg/L	
		2,3,7,8-TCDF	0.181 pg/L	
		OCDD	2.39 pg/L	
		OCDF	1.43 pg/L	

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

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

Method Blank Outlier Report

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB372325	1/27/2011 11:25:00 PM	1,2,3,4,6,7,8-HPCDD	0.437 ng/Kg	DUP01-SIV-QC-122010
		1,2,3,4,6,7,8-HPCDF	1.49 ng/Kg	DUP08-SA5B-QC-121710
		1,2,3,4,7,8,9-HPCDF	0.200 ng/Kg	SED-001-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HxCDD	0.147 ng/Kg	SED-003-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HXCDF	0.209 ng/Kg	SED-004-SIV-SD-0.0-0.5
		1,2,3,6,7,8-HXCDD	0.162 ng/Kg	SED-005-SIV-SD-0.0-0.5
		1,2,3,6,7,8-HXCDF	0.226 ng/Kg	SED-006-SIV-SD-0.0-0.5
		1,2,3,7,8,9-HXCDD	0.167 ng/Kg	SED-008-SIV-SD-0.0-0.5
		1,2,3,7,8,9-HXCDF	0.206 ng/Kg	SED-012-SIV-SD-0.0-0.5
		1,2,3,7,8-PECDD	0.199 ng/Kg	SED-014-SIV-SD-0.0-0.5
		1,2,3,7,8-PECDF	0.199 ng/Kg	SED-034-SIV-SD-0.0-0.5
		2,3,4,6,7,8-HXCDF	0.207 ng/Kg	SED-037-SIV-SD-0.0-0.5
		2,3,4,7,8-PECDF	0.230 ng/Kg	SL-026-SA5B-SB-4.0-5.0
		OCDD	1.37 ng/Kg	SL-026-SA5B-SB-9.0-10
		OCDF	0.495 ng/Kg	SL-281-SA5B-SB-4.0-5.0
				SL-281-SA5B-SB-8.0-9.0
				SL-282-SA5B-SB-4.0-5.0
				SL-282-SA5B-SB-7.0-8.0
BLK0320B372059	2/7/2011 8:59:00 PM	1,2,3,4,6,7,8-HPCDD	0.219 ng/Kg	SED-007-SIV-SD-0.0-0.6
		1,2,3,4,6,7,8-HPCDF	0.242 ng/Kg	
		1,2,3,4,7,8,9-HPCDF	0.0453 ng/Kg	
		1,2,3,4,7,8-HxCDD	0.0361 ng/Kg	
		1,2,3,4,7,8-HXCDF	0.0659 ng/Kg	
		1,2,3,6,7,8-HXCDD	0.0384 ng/Kg	
		1,2,3,6,7,8-HXCDF	0.0508 ng/Kg	
		1,2,3,7,8,9-HXCDD	0.0359 ng/Kg	
		1,2,3,7,8,9-HXCDF	0.0588 ng/Kg	
		1,2,3,7,8-PECDD	0.0510 ng/Kg	
		1,2,3,7,8-PECDF	0.0415 ng/Kg	
		2,3,4,6,7,8-HXCDF	0.0823 ng/Kg	
		2,3,4,7,8-PECDF	0.106 ng/Kg	
		OCDD	0.513 ng/Kg	
		OCDF	0.298 ng/Kg	
PBB371255	2/6/2011 12:55:00 PM	2,3,7,8-TCDF	0.0679 ng/Kg	DUP01-SIV-QC-122010
				DUP08-SA5B-QC-121710
				SED-001-SIV-SD-0.0-0.5
				SED-003-SIV-SD-0.0-0.5
				SED-004-SIV-SD-0.0-0.5
				SED-005-SIV-SD-0.0-0.5
				SED-006-SIV-SD-0.0-0.5
				SED-008-SIV-SD-0.0-0.5
				SED-012-SIV-SD-0.0-0.5
				SED-014-SIV-SD-0.0-0.5
				SED-034-SIV-SD-0.0-0.5
				SED-037-SIV-SD-0.0-0.5
				SL-026-SA5B-SB-4.0-5.0
				SL-026-SA5B-SB-9.0-10
				SL-281-SA5B-SB-4.0-5.0
				SL-281-SA5B-SB-8.0-9.0
				SL-282-SA5B-SB-4.0-5.0
				SL-282-SA5B-SB-7.0-8.0

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP01-SIV-QC-122010(RES)	1,2,3,4,6,7,8-HPCDF	2.18 ng/Kg	2.18U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,4,7,8,9-HPCDF	0.230 ng/Kg	0.230U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,4,7,8-HxCDD	0.178 ng/Kg	0.178U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,4,7,8-HXCDF	0.430 ng/Kg	0.430U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,6,7,8-HXCDF	0.379 ng/Kg	0.379U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,7,8,9-HXCDF	0.430 ng/Kg	0.430U ng/Kg
DUP01-SIV-QC-122010(RES)	1,2,3,7,8-PECDD	0.256 ng/Kg	0.256U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP01-SIV-QC-122010(RES)	2,3,4,6,7,8-HXCDF	0.516 ng/Kg	0.516U ng/Kg
DUP01-SIV-QC-122010(RES)	2,3,4,7,8-PECDF	0.819 ng/Kg	0.819U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	4.60 ng/Kg	4.60U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.421 ng/Kg	0.421U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.500 ng/Kg	0.500U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	1.03 ng/Kg	1.03U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.563 ng/Kg	0.563U ng/Kg
SED-001-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.673 ng/Kg	0.673U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	4.73 ng/Kg	4.73U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.478 ng/Kg	0.478U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.364 ng/Kg	0.364U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.615 ng/Kg	0.615U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.430 ng/Kg	0.430U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.712 ng/Kg	0.712U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.294 ng/Kg	0.294U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.245 ng/Kg	0.245U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.489 ng/Kg	0.489U ng/Kg
SED-003-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.831 ng/Kg	0.831U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.825 ng/Kg	0.825U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.231 ng/Kg	0.231U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.525 ng/Kg	0.525U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.521 ng/Kg	0.521U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.590 ng/Kg	0.590U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.224 ng/Kg	0.224U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.209 ng/Kg	0.209U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.480 ng/Kg	0.480U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.660 ng/Kg	0.660U ng/Kg
SED-004-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.283 ng/Kg	0.283U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	2.11 ng/Kg	2.11U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.261 ng/Kg	0.261U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.230 ng/Kg	0.230U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.388 ng/Kg	0.388U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.404 ng/Kg	0.404U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.473 ng/Kg	0.473U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.283 ng/Kg	0.283U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.438 ng/Kg	0.438U ng/Kg
SED-005-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.809 ng/Kg	0.809U ng/Kg
SED-006-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	4.64 ng/Kg	4.64U ng/Kg
SED-006-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.395 ng/Kg	0.395U ng/Kg
SED-006-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.375 ng/Kg	0.375U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

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

Method Blank Outlier Report

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

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

Method Blank Outlier Report

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

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

Method Blank Outlier Report

Lab Reporting Batch ID: DX029 Laboratory: LL

EDD Filename: DX029_v1 eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,4,7,8-HXCDF	0.0919 ng/Kg	0.0919U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDD	0.0973 ng/Kg	0.0973U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,6,7,8-HXCDF	0.0951 ng/Kg	0.0951U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDD	0.146 ng/Kg	0.146U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8,9-HXCDF	0.152 ng/Kg	0.152U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	1,2,3,7,8-PECDF	0.0757 ng/Kg	0.0757U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	2,3,4,6,7,8-HXCDF	0.142 ng/Kg	0.142U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	2,3,4,7,8-PECDF	0.0842 ng/Kg	0.0842U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	2,3,7,8-TCDF	0.0826 ng/Kg	0.0826U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	OCDD	1.60 ng/Kg	1.60U ng/Kg
SL-282-SA5B-SB-7.0-8.0(RES)	OCDF	0.331 ng/Kg	0.331U ng/Kg

Internal Standard Outlier Report

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

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

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

Field Duplicate RPD Report

Lab Reporting Batch ID: DX029 Laboratory: LL

EDD Filename: DX029_v1 eQAPP Name: CDM_SSFL_110509

Method: 160.3M
Matrix: SO

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

Method: 1613B
Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SED-005-SIV-SD-0.0-0.5	DUP01-SIV-QC-122010			
1,2,3,4,6,7,8-HPCDD	8.71	8.87	2	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	2.11	2.18	3	50.00	
1,2,3,4,7,8,9-HPCDF	0.261	0.230	13	50.00	
1,2,3,4,7,8-HxCDD	0.230	0.178	25	50.00	
1,2,3,4,7,8-HXCDF	0.388	0.430	10	50.00	
1,2,3,6,7,8-HXCDD	0.918	0.893	3	50.00	
1,2,3,6,7,8-HXCDF	0.404	0.379	6	50.00	
1,2,3,7,8,9-HXCDD	0.990	0.927	7	50.00	
1,2,3,7,8,9-HXCDF	0.473	0.430	10	50.00	
1,2,3,7,8-PECDD	0.283	0.256	10	50.00	
1,2,3,7,8-PECDF	2.12	1.94	9	50.00	
2,3,4,6,7,8-HXCDF	0.438	0.516	16	50.00	
2,3,4,7,8-PECDF	0.809	0.819	1	50.00	
2,3,7,8-TCDF	4.24	4.47	5	50.00	
OCDD	62.3	70.8	13	50.00	
OCDF	3.16	3.65	14	50.00	
2,3,7,8-TCDD	1.24 U	0.0424	200	50.00	J(all detects) UJ(all non-detects)

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: AQ

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

Method: 1613B

Matrix: SO

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX029 **Laboratory: LL**

EDD Filename: DX029_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-282-SA5B-SB-7.0-8.0	1,2,3,4,6,7,8-HPCDD	JB	0.415	5.48	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.469	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0590	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0353	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0919	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0973	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0951	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.146	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JBQ	0.152	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0757	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.142	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0842	5.48	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0826	1.10	PQL	ng/Kg	
	OCDD	JB	1.60	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.331	11.0	PQL	ng/Kg	

Enclosure II

EPA Level IV Validation Reports

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Santa Susana Field Laboratory

Collection Date: December 17 through December 20, 2010

LDC Report Date: June 17, 2011

Matrix: Soil/Sediment/Water

Parameters: Dioxins/Dibenzofurans

Validation Level: Level IV

Laboratory: Lancaster Laboratories

Sample Delivery Group (SDG): DX029

Sample Identification

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

Introduction

This data review covers 7 soil samples, 14 sediment samples, and 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 1613B for Polychlorinated Dioxins/Dibenzofurans.

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

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

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met with the following exceptions:

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

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

II. HRGC/HRMS Instrument Performance Check

Instrument performance was checked at the required daily frequency.

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

PFK and static resolving power were within validation criteria.

III. Initial Calibration

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

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

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

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

IV. Routine Calibration (Continuing)

Routine calibration was performed at the required frequencies.

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

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

V. Blanks

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

Method Blank ID	Extraction Date	Compound	Concentration	Associated Samples
11012001-MB	1/12/11	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.199 ng/Kg 0.230 ng/Kg 0.199 ng/Kg 0.209 ng/Kg 0.226 ng/Kg 0.207 ng/Kg 0.147 ng/Kg 0.162 ng/Kg 0.167 ng/Kg 0.206 ng/Kg 1.49 ng/Kg 0.437 ng/Kg 0.200 ng/Kg 1.37 ng/Kg 0.495 ng/Kg	DUP08-SA5B-QC-121710 SED-014-SIV-SD-0.0-0.05 SED-012-SIV-SD-0.0-0.05 SED-006-SIV-SD-0.0-0.05 SED-001-SIV-SD-0.0-0.05 SED-004-SIV-SD-0.0-0.05 SL-282-SA5B-SB-4.0-5.0 SL-282-SA5B-SB-7.0-8.0 SL-281-SA5B-SB-4.0-5.0 SL-281-SA5B-SB-8.0-9.0 SL-026-SA5B-SB-4.0-5.0 SL-026-SA5B-SB-9.0-10.0 DUP01-SIV-QC-122010 SED-003-SIV-SD-0.0-0.5 SED-005-SIV-SD-0.0-0.5 SED-008-SIV-SD-0.0-0.5 SED-034-SIV-SD-0.0-0.5 SED-037-SIV-SD-0.0-0.5
11012001-MB	1/12/11	2,3,7,8-TCDF	0.0679 ng/Kg	DUP08-SA5B-QC-121710 SED-001-SIV-SD-0.0-0.05 DUP01-SIV-QC-122010 SED-005-SIV-SD-0.0-0.5
11032001-MB	2/1/11	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0415 ng/Kg 0.106 ng/Kg 0.0510 ng/Kg 0.0659 ng/Kg 0.0508 ng/Kg 0.0823 ng/Kg 0.0361 ng/Kg 0.0384 ng/Kg 0.0359 ng/Kg 0.0588 ng/Kg 0.242 ng/Kg 0.219 ng/Kg 0.0453 ng/Kg 0.513 ng/Kg 0.298 ng/Kg	SED-007-SIV-SD-0.0-0.5
10362001-MB	12/28/10	2,3,7,8-TCDF 2,3,7,8-TCDD 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.181 pg/L 2.81 pg/L 0.474 pg/L 0.810 pg/L 0.684 pg/L 0.599 pg/L 0.568 pg/L 0.505 pg/L 0.485 pg/L 0.512 pg/L 0.483 pg/L 0.637 pg/L 1.41 pg/L 1.35 pg/L 0.582 pg/L 2.39 pg/L 1.43 pg/L	All water samples in SDG DX029

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

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

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-282-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDF	0.125 ng/Kg	0.125U ng/Kg
	2,3,4,7,8-PeCDF	0.140 ng/Kg	0.140U ng/Kg
	1,2,3,7,8-PeCDD	0.118 ng/Kg	0.118U ng/Kg
	1,2,3,4,7,8-HxCDF	0.144 ng/Kg	0.144U ng/Kg
	1,2,3,6,7,8-HxCDF	0.124 ng/Kg	0.124U ng/Kg
	2,3,4,6,7,8-HxCDF	0.192 ng/Kg	0.192U ng/Kg
	1,2,3,4,7,8-HxCDD	0.0465 ng/Kg	0.0465U ng/Kg
	1,2,3,6,7,8-HxCDD	0.144 ng/Kg	0.144U ng/Kg
	1,2,3,7,8,9-HxCDD	0.182 ng/Kg	0.182U ng/Kg
	1,2,3,7,8,9-HxCDF	0.263 ng/Kg	0.263U ng/Kg
	1,2,3,4,6,7,8-HpCDF	0.645 ng/Kg	0.645U ng/Kg
	1,2,3,4,6,7,8-HpCDD	1.02 ng/Kg	1.02U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.0727 ng/Kg	0.0727U ng/Kg
	OCDF	0.785 ng/Kg	0.785U ng/Kg
SL-282-SA5B-SB-7.0-8.0	1,2,3,7,8-PeCDF	0.0757 ng/Kg	0.0757U ng/Kg
	2,3,4,7,8-PeCDF	0.0842 ng/Kg	0.0842U ng/Kg
	1,2,3,4,7,8-HxCDF	0.0919 ng/Kg	0.0919U ng/Kg
	1,2,3,6,7,8-HxCDF	0.0951 ng/Kg	0.0951U ng/Kg
	2,3,4,6,7,8-HxCDF	0.142 ng/Kg	0.142U ng/Kg
	1,2,3,4,7,8-HxCDD	0.0353 ng/Kg	0.0353U ng/Kg
	1,2,3,6,7,8-HxCDD	0.0973 ng/Kg	0.0973U ng/Kg
	1,2,3,7,8,9-HxCDD	0.146 ng/Kg	0.146U ng/Kg
	1,2,3,7,8,9-HxCDF	0.152 ng/Kg	0.152U ng/Kg
	1,2,3,4,6,7,8-HpCDF	0.469 ng/Kg	0.469U ng/Kg
	1,2,3,4,6,7,8-HpCDD	0.415 ng/Kg	0.415U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.0590 ng/Kg	0.0590U ng/Kg
	OCDD	1.60 ng/Kg	1.60U ng/Kg
	OCDF	0.331 ng/Kg	0.331U ng/Kg
SL-281-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDF	0.0767 ng/Kg	0.0767U ng/Kg
	2,3,4,7,8-PeCDF	0.135 ng/Kg	0.135U ng/Kg
	1,2,3,4,7,8-HxCDF	0.130 ng/Kg	0.130U ng/Kg
	1,2,3,6,7,8-HxCDF	0.0748 ng/Kg	0.0748U ng/Kg
	2,3,4,6,7,8-HxCDF	0.127 ng/Kg	0.127U ng/Kg
	1,2,3,6,7,8-HxCDD	0.0948 ng/Kg	0.0948U ng/Kg
	1,2,3,7,8,9-HxCDD	0.109 ng/Kg	0.109U ng/Kg
	1,2,3,7,8,9-HxCDF	0.217 ng/Kg	0.217U ng/Kg
	1,2,3,4,6,7,8-HpCDF	0.454 ng/Kg	0.454U ng/Kg
	1,2,3,4,6,7,8-HpCDD	0.625 ng/Kg	0.625U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.0894 ng/Kg	0.0894U ng/Kg
	OCDD	2.34 ng/Kg	2.34U ng/Kg
	OCDF	0.399 ng/Kg	0.399U ng/Kg
SL-281-SA5B-SB-8.0-9.0	1,2,3,7,8-PeCDF	0.0816 ng/Kg	0.0816U ng/Kg
	2,3,4,7,8-PeCDF	0.138 ng/Kg	0.138U ng/Kg
	1,2,3,7,8-PeCDD	0.0821 ng/Kg	0.0821U ng/Kg
	1,2,3,4,7,8-HxCDF	0.0812 ng/Kg	0.0812U ng/Kg
	1,2,3,6,7,8-HxCDF	0.0979 ng/Kg	0.0979U ng/Kg
	2,3,4,6,7,8-HxCDF	0.151 ng/Kg	0.151U ng/Kg
	1,2,3,6,7,8-HxCDD	0.286 ng/Kg	0.286U ng/Kg
	1,2,3,7,8,9-HxCDD	0.441 ng/Kg	0.441U ng/Kg
	1,2,3,7,8,9-HxCDF	0.301 ng/Kg	0.301U ng/Kg
	1,2,3,4,6,7,8-HpCDF	0.491 ng/Kg	0.491U ng/Kg
	1,2,3,4,6,7,8-HpCDD	0.797 ng/Kg	0.797U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.0860 ng/Kg	0.0860U ng/Kg
	OCDD	4.41 ng/Kg	4.41U ng/Kg
	OCDF	0.458 ng/Kg	0.458U ng/Kg

Sample	Compound	Reported Concentration	Modified Final Concentration
SL-026-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDF	0.0306 ng/Kg	0.0306U ng/Kg
	2,3,4,7,8-PeCDF	0.0833 ng/Kg	0.0833U ng/Kg
	1,2,3,7,8-PeCDD	0.0710 ng/Kg	0.0710U ng/Kg
	1,2,3,4,7,8-HxCDF	0.0737 ng/Kg	0.0737U ng/Kg
	1,2,3,6,7,8-HxCDF	0.0466 ng/Kg	0.0466U ng/Kg
	2,3,4,6,7,8-HxCDF	0.117 ng/Kg	0.117U ng/Kg
	1,2,3,4,7,8-HxCDD	0.0382 ng/Kg	0.0382U ng/Kg
	1,2,3,6,7,8-HxCDD	0.0518 ng/Kg	0.0518U ng/Kg
	1,2,3,7,8,9-HxCDF	0.0703 ng/Kg	0.0703U ng/Kg
	1,2,3,4,6,7,8-HpCDF	0.422 ng/Kg	0.422U ng/Kg
	1,2,3,4,6,7,8-HpCDD	0.324 ng/Kg	0.324U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.0561 ng/Kg	0.0561U ng/Kg
	OCDD	1.25 ng/Kg	1.25U ng/Kg
	OCDF	0.430 ng/Kg	0.430U ng/Kg
SL-026-SA5B-SB-9.0-10.0	1,2,3,7,8-PeCDF	0.0518 ng/Kg	0.0518U ng/Kg
	2,3,4,7,8-PeCDF	0.108 ng/Kg	0.108U ng/Kg
	1,2,3,7,8-PeCDD	0.0558 ng/Kg	0.0558U ng/Kg
	1,2,3,4,7,8-HxCDF	0.0869 ng/Kg	0.0869U ng/Kg
	1,2,3,6,7,8-HxCDF	0.0610 ng/Kg	0.0610U ng/Kg
	2,3,4,6,7,8-HxCDF	0.160 ng/Kg	0.160U ng/Kg
	1,2,3,6,7,8-HxCDD	0.0607 ng/Kg	0.0607U ng/Kg
	1,2,3,7,8,9-HxCDD	0.0935 ng/Kg	0.0935U ng/Kg
	1,2,3,7,8,9-HxCDF	0.0646 ng/Kg	0.0646U ng/Kg
	1,2,3,4,6,7,8-HpCDF	0.425 ng/Kg	0.425U ng/Kg
	1,2,3,4,6,7,8-HpCDD	0.293 ng/Kg	0.293U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.0481 ng/Kg	0.0481U ng/Kg
	OCDD	1.26 ng/Kg	1.26U ng/Kg
	OCDF	0.365 ng/Kg	0.365U ng/Kg
DUP01-SIV-QC-122010	2,3,4,7,8-PeCDF	0.819 ng/Kg	0.819U ng/Kg
	1,2,3,7,8-PeCDD	0.256 ng/Kg	0.256U ng/Kg
	1,2,3,4,7,8-HxCDF	0.430 ng/Kg	0.430U ng/Kg
	1,2,3,6,7,8-HxCDF	0.379 ng/Kg	0.379U ng/Kg
	2,3,4,6,7,8-HxCDF	0.516 ng/Kg	0.516U ng/Kg
	1,2,3,4,7,8-HxCDD	0.178 ng/Kg	0.178U ng/Kg
	1,2,3,7,8,9-HxCDF	0.430 ng/Kg	0.430U ng/Kg
	1,2,3,4,6,7,8-HpCDF	2.18 ng/Kg	2.18U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.230 ng/Kg	0.230U ng/Kg
SED-003-SIV-SD-0.0-0.5	2,3,4,7,8-PeCDF	0.831 ng/Kg	0.831U ng/Kg
	1,2,3,7,8-PeCDD	0.245 ng/Kg	0.245U ng/Kg
	1,2,3,4,7,8-HxCDF	0.615 ng/Kg	0.615U ng/Kg
	1,2,3,6,7,8-HxCDF	0.430 ng/Kg	0.430U ng/Kg
	2,3,4,6,7,8-HxCDF	0.489 ng/Kg	0.489U ng/Kg
	1,2,3,4,7,8-HxCDD	0.364 ng/Kg	0.364U ng/Kg
	1,2,3,7,8,9-HxCDD	0.712 ng/Kg	0.712U ng/Kg
	1,2,3,7,8,9-HxCDF	0.294 ng/Kg	0.294U ng/Kg
	1,2,3,4,6,7,8-HpCDF	4.73 ng/Kg	4.73U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.478 ng/Kg	0.478U ng/Kg
SED-005-SIV-SD-0.0-0.5	2,3,4,7,8-PeCDF	0.809 ng/Kg	0.809U ng/Kg
	1,2,3,7,8-PeCDD	0.283 ng/Kg	0.283U ng/Kg
	1,2,3,4,7,8-HxCDF	0.388 ng/Kg	0.388U ng/Kg
	1,2,3,6,7,8-HxCDF	0.404 ng/Kg	0.404U ng/Kg
	2,3,4,6,7,8-HxCDF	0.438 ng/Kg	0.438U ng/Kg
	1,2,3,4,7,8-HxCDD	0.230 ng/Kg	0.230U ng/Kg
	1,2,3,7,8,9-HxCDF	0.473 ng/Kg	0.473U ng/Kg
	1,2,3,4,6,7,8-HpCDF	2.11 ng/Kg	2.11U ng/Kg
	1,2,3,4,7,8,9-HpCDF	0.261 ng/Kg	0.261U ng/Kg

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

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

Equipment Blank ID	Sampling Date	Compound	Concentration	Associated Samples
EB05-SA5B-121710	12/17/10	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.220 pg/L 0.732 pg/L 0.379 pg/L 0.332 pg/L 0.344 pg/L 0.250 pg/L 0.355 pg/L 1.18 pg/L 0.726 pg/L 0.193 pg/L 1.35 pg/L 0.858 pg/L	DUP08-SA5B-QC-121710 SL-282-SA5B-SB-4.0-5.0 SL-282-SA5B-SB-7.0-8.0 SL-281-SA5B-SB-4.0-5.0 SL-281-SA5B-SB-8.0-9.0 SL-026-SA5B-SB-4.0-5.0 SL-026-SA5B-SB-9.0-10.0
EB01-SIV-121710	12/17/10	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.139 pg/L 0.626 pg/L 0.529 pg/L 0.522 pg/L 0.325 pg/L 0.283 pg/L 0.185 pg/L 0.194 pg/L 0.252 pg/L 1.69 pg/L 1.91 pg/L 0.377 pg/L 13.7 pg/L 1.41 pg/L	SED-014-SIV-SD-0.0-0.05 SED-012-SIV-SD-0.0-0.05 SED-006-SIV-SD-0.0-0.05 SED-001-SIV-SD-0.0-0.05 SED-004-SIV-SD-0.0-0.05

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

VI. Matrix Spike/Matrix Spike Duplicates

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

VII. Laboratory Control Samples (LCS)

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

VIII. Regional Quality Assurance and Quality Control

Not applicable.

IX. Internal Standards

All internal standard recoveries were within QC limits with the following exceptions:

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

X. Target Compound Identifications

All target compound identifications were within validation criteria.

XI. Compound Quantitation and CRQLs

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

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

All compounds reported below the RL were qualified as follows:

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

XII. System Performance

The system performance was acceptable.

XIII. Overall Assessment of Data

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

Sample	Compound	Flag	A or P
DUP08-SA5B-QC-121710 SED-001-SIV-SD-0.0-0.05	2,3,7,8-TCDF (on DB-5MS)	R	A
DUP01-SIV-QC-122010 SED-005-SIV-SD-0.0-0.5	2,3,7,8-TCDF (on SP2331)	R	A

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

XIV. Field Duplicates

Samples DUP01-SIV-QC-122010 and SED-005-SIV-SD-0.0-0.5 were identified as field duplicates. No polychlorinated dioxins/dibenzofurans were detected in any of the samples with the following exceptions:

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

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

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

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

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

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

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX029	SED-012-SIV-SD-0.0-0.05	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.152U ng/Kg 0.266U ng/Kg 0.219U ng/Kg 0.166U ng/Kg 0.177U ng/Kg 0.226U ng/Kg 0.226U ng/Kg 0.776U ng/Kg 0.401U ng/Kg 0.0960U ng/Kg 2.37U ng/Kg 0.213U ng/Kg	A	B
DX029	SED-006-SIV-SD-0.0-0.05	1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	0.544U ng/Kg 0.594U ng/Kg 0.615U ng/Kg 0.375U ng/Kg 1.03U ng/Kg 4.64U ng/Kg 0.395U ng/Kg	A	B
DX029	SED-001-SIV-SD-0.0-0.05	1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF	1.03U ng/Kg 0.637U ng/Kg 0.500U ng/Kg 0.563U ng/Kg 4.60U ng/Kg 0.421U ng/Kg	A	B
DX029	SED-004-SIV-SD-0.0-0.05	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,7,8,9-HpCDF	0.480U ng/Kg 0.283U ng/Kg 0.209U ng/Kg 0.525U ng/Kg 0.521U ng/Kg 0.660U ng/Kg 0.231U ng/Kg 0.590U ng/Kg 0.224U ng/Kg 0.825U ng/Kg	A	B
DX029	SL-282-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDF	0.125U ng/Kg 0.140U ng/Kg 0.118U ng/Kg 0.144U ng/Kg 0.124U ng/Kg 0.192U ng/Kg 0.0465U ng/Kg 0.144U ng/Kg 0.182U ng/Kg 0.263U ng/Kg 0.645U ng/Kg 1.02U ng/Kg 0.0727U ng/Kg 0.785U ng/Kg	A	B

SDG	Sample	Compound	Modified Final Concentration	A or P	Code
DX029	SL-282-SA5B-SB-7.0-8.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0757U ng/Kg 0.0842U ng/Kg 0.0919U ng/Kg 0.0951U ng/Kg 0.142U ng/Kg 0.0353U ng/Kg 0.0973U ng/Kg 0.146U ng/Kg 0.152U ng/Kg 0.469U ng/Kg 0.415U ng/Kg 0.0590U ng/Kg 1.60U ng/Kg 0.331U ng/Kg	A	B
DX029	SL-281-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0767U ng/Kg 0.135U ng/Kg 0.130U ng/Kg 0.0748U ng/Kg 0.127U ng/Kg 0.0948U ng/Kg 0.109U ng/Kg 0.217U ng/Kg 0.454U ng/Kg 0.625U ng/Kg 0.0894U ng/Kg 2.34U ng/Kg 0.399U ng/Kg	A	B
DX029	SL-281-SA5B-SB-8.0-9.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0816U ng/Kg 0.138U ng/Kg 0.0821U ng/Kg 0.0812U ng/Kg 0.0979U ng/Kg 0.151U ng/Kg 0.286U ng/Kg 0.441U ng/Kg 0.301U ng/Kg 0.491U ng/Kg 0.797U ng/Kg 0.0860U ng/Kg 4.41U ng/Kg 0.458U ng/Kg	A	B
DX029	SL-026-SA5B-SB-4.0-5.0	1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDD 1,2,3,4,7,8,9-HpCDF OCDD OCDF	0.0306U ng/Kg 0.0833U ng/Kg 0.0710U ng/Kg 0.0737U ng/Kg 0.0466U ng/Kg 0.117U ng/Kg 0.0382U ng/Kg 0.0518U ng/Kg 0.0703U ng/Kg 0.422U ng/Kg 0.324U ng/Kg 0.0561U ng/Kg 1.25U ng/Kg 0.430U ng/Kg	A	B

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

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

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

No Sample Data Qualified in this SDG

LDC #: 25550M21 **VALIDATION COMPLETENESS WORKSHEET** Date: 6/6/11
SDG #: DX029 Level IV Page: 1 of 1
Laboratory: Lancaster Laboratories Reviewer: [illegible]
2nd Reviewer: [illegible]

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

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

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 12/19/10 – 12/20/10
II.	HRGC/HRMS Instrument performance check	A	
III.	Initial calibration	A	% RSD ≤ 20/35
IV.	Routine calibration/~~rcv~~	A	QC limits
V.	Blanks	SW	
VI.	Matrix spike/Matrix spike duplicates	A	
VII.	Laboratory control samples	A	LCS
VIII.	Regional quality assurance and quality control	N	
IX.	Internal standards	SW	QC limits
X.	Target compound identifications	A	
XI.	Compound quantitation and CRQLs	SW	
XII.	System performance	A	
XIII.	Overall assessment of data	SW	
XIV.	Field duplicates	SW	D = 1, 4 15, 17
XV.	Field blanks	SW	FB = 2, 3

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

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

Validated Samples: soil, sediment, water

1	1	DUP08-SA5B-QC-121710	So	11	1	SL-281-SA5B-SB-4.0-5.0	So	21	1	SED-037-SIV-SD-0.0-0.5	Sed	31	
2	2	EB05-SA5B-121710	W	12	1	SL-281-SA5B-SB-8.0-9.0		22	1	SED-005-SIV-SD-0.0-0.5MS		32	
3	2	EB01-SIV-121710		13	1	SL-026-SA5B-SB-4.0-5.0		23	1	SED-005-SIV-SD-0.0-0.5MSD		33	
4	1	SED-014-SIV-SD-0.0-0.05	Sed	14	1	SL-026-SA5B-SB-9.0-10.0		24				34	
5	1	SED-012-SIV-SD-0.0-0.05		15	1	DUP01-SIV-QC-122010	D So	25	1	11012001-MB		35	
6	1	SED-006-SIV-SD-0.0-0.05		16	1	SED-003-SIV-SD-0.0-0.5	Sed	26	2	10362001-MB		36	
7	1	SED-001-SIV-SD-0.0-0.05		17	1	SED-005-SIV-SD-0.0-0.5	D	27	3	11032001-MB		37	
8	1	SED-004-SIV-SD-0.0-0.05		18	3	SED-007-SIV-SD-0.0-0.5		28		11012001-MBConf		38	
9	1	SL-282-SA5B-SB-4.0-5.0	So	19	1	SED-008-SIV-SD-0.0-0.5		29				39	
10	1	SL-282-SA5B-SB-7.0-8.0		20	1	SED-034-SIV-SD-0.0-0.5		30				40	

Notes: _____

LDC #: 25550M2 /

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer: A

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

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

LDC #: 25550M2

VALIDATION FINDINGS CHECKLIST

Reviewer: FT
2nd Reviewer: A

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

VALIDATION FINDINGS WORKSHEET

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

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

Notes:

LDC #: 25550M21 /

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT
2nd Reviewer: (A)

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: 1/12/11 **Blank analysis date:** 1/27/11 **Associated samples:** 1, 4-17, 19-21

Conc. units: ng/Kg

Compound	Blank ID	Sample Identification								
	11012001-MB	5X	4	5	6	7	8	9	10	11
I	0.199*	0.995	0.711U	0.152*U	-	-	0.480U	0.125U	0.0757U	0.0767*U
J	0.230*	1.15	1.14U	0.266*U	-	-	0.283U	0.140*U	0.0842U	0.135U
B	0.199	0.995		0.219*U	-	-	0.209*U	0.118*U	-	-
K	0.209	1.045		0.166*U	0.544U	-	0.525U	0.144*U	0.0919U	0.130*U
L	0.226*	1.13		0.177*U	0.594U	1.03U	0.521U	0.124*U	0.0951*U	0.0748U
M	0.207	1.035		0.226*U	0.615U	0.637U	0.660U	0.192*U	0.142U	0.127*U
C	0.147*	0.735		0.226*U	0.375U	0.500U	0.231U	0.0465*U	0.0353*U	-
D	0.162*	0.81		0.776U	-	-	-	0.144U	0.0973*U	0.0948U
E	0.167	0.835		0.401U	-	-	0.590U	0.182*U	0.146*U	0.109U
N	0.206	1.03		0.0960U	1.03U	0.563U	0.224U	0.263U	0.152*U	0.217*U
O	1.49*	7.45		2.37U	4.64U	4.60U	-	0.645U	0.469U	0.454U
F	0.437	2.185		-	-	-	-	1.02U	0.415U	0.625U
P	0.200	1.00		0.213U	0.395*U	0.421*U	0.825U	0.0727*u	0.0590U	0.0894U
G	1.37	6.85		-	-	-	-	-	1.60U	2.34U
Q	0.495*	2.475		-	-	-	-	0.785U	0.331*U	0.399*U

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

LDC #: 25550M21

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT
2nd Reviewer: (A)

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: 1/12/11 **Blank analysis date:** 1/27/11 **Associated samples:** 1, 4-17, 19-21

Conc. units: ng/Kg

Compound	Blank ID	Sample Identification								
	11012001-MB	5X	12	13	14	15	16	17	19	20
I	0.199*	0.995	0.0816*U	0.0306U	0.0518*U	-	-	-	-	0.190U
J	0.230*	1.15	0.138*U	0.0833U	0.108*U	0.819U	0.831*U	0.809U	-	0.572U
B	0.199	0.995	0.0821U	0.0710*U	0.0558*U	0.256U	0.245U	0.283*U	-	0.0979U
K	0.209	1.045	0.0812U	0.0737*U	0.0869*U	0.430U	0.615U	0.388*U	0.673U	0.258*U
L	0.226*	1.13	0.0979*U	0.0466U	0.0610U	0.379U	0.430U	0.404*U	0.695U	0.215U
M	0.207	1.035	0.151*U	0.117U	0.160*U	0.516U	0.489U	0.438U	0.653U	0.369U
C	0.147*	0.735	-	0.0382*U	-	0.178*U	0.364U	0.230U	0.444*U	0.139*U
D	0.162*	0.81	0.286U	0.0518*U	0.0607*U	-	-	-	-	0.303*U
E	0.167	0.835	0.441U	-	0.0935*U	-	0.712U	-	-	0.266U
N	0.206	1.03	0.301U	0.0703*U	0.0646*U	0.430U	0.294U	0.473U	0.331*U	0.133*U
O	1.49*	7.45	0.491U	0.422U	0.425U	2.18U	4.73U	2.11U	3.91U	1.40U
F	0.437	2.185	0.797U	0.324U	0.293U	-	-	-	-	-
P	0.200	1.00	0.0860U	0.0561*U	0.0481*U	0.230U	0.478*U	0.261*U	0.517*U	0.183*U
G	1.37	6.85	4.41U	1.25U	1.26U	-	-	-	-	-
Q	0.495*	2.475	0.458*U	0.430*U	0.365U	-	-	-	-	2.13U

LDC #: 25550M21

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: FT
2nd Reviewer:

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

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

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

(B)

Blank extraction date: 1/12/11 **Blank analysis date:** 1/27/11 **Associated samples:** 1, 4-17, 19-21

Conc. units: ng/Kg

Compound	Blank ID	Sample Identification								
	11012001-MB	5X		21						
I	0.199*	0.995								
J	0.230*	1.15								
B	0.199	0.995		0.903*U						
K	0.209	1.045		0.857U						
L	0.226*	1.13		0.664U						
M	0.207	1.035		0.819U						
C	0.147*	0.735								
D	0.162*	0.81								
E	0.167	0.835								
N	0.206	1.03		0.353*U						
O	1.49*	7.45		4.92U						
F	0.437	2.185								
P	0.200	1.00		0.454U						
G	1.37	6.85								
Q	0.495*	2.475								

LDC #: 25550M21

VALIDATION FINDINGS WORKSHEET
Blanks

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

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

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

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

(B)

Blank extraction date: 1/12/11 **Blank analysis date:** 2/6/11 **Associated samples** 1, 7, 15, 17 (75%)

Conc. units: ng/Kg

Compound	Blank ID	5X	Sample Identification							
[redacted]	110	2001-MB Conf								
H	0.0679 *	0.3395								

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

LDC #: 25550M2/

VALIDATION FINDINGS WORKSHEET
Blanks

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

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

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

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

* = HPC

(B)

Blank extraction date: 02/01/11 **Blank analysis date:** 2/7/11 **Associated samples:** 18 7 5X

Conc. units: ng/kg

Compound	Blank ID	Sample Identification								
	11032001-MB -	18								
I	0.0415 *									
J	0.106 *									
B	0.0510 *									
K	0.0659 *									
L	0.0508 *									
M	0.0823 *									
C	0.0361 *									
D	0.0384 *									
E	0.0359 *									
N	0.0588 *									
O	0.242									
F	0.219 *									
P	0.0453 *									
G	0.513 *									
Q	0.298 *									

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 #: 25550H2 /

VALIDATION FINDINGS WORKSHEET
Blanks

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

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

* EMPC

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: 12/28/10 **Blank analysis date:** 12/30/10 **Associated samples:** All water

Conc. units: pg/L

Compound	Blank ID	Sample Identification									
	1036200 1-MB	2		3							
H	0.181 *		-		-						
A	2.81		-		-						
I	0.474		0.220 */U		0.139 */U						
J	0.810 *		0.732 /U		0.626 */U						
B	0.684 *		-		0.529 */U						
K	0.599 *		0.379 */U		0.522/U						
L	0.568 *		0.332 */U		0.325 */U						
M	0.505		0.344 */U		0.283 */U						
C	0.485 *		-		-						
D	0.512 *		-		0.185 */U						
E	0.483		0.250 */U		0.194 */U						
N	0.637 *		0.355 */U		0.252 */U						
O	1.41		1.18 */U		1.69 /U						
F	1.35 *		0.726 */U		1.91 */U						
P	0.582 *		0.193 */U		0.377 */U						
G	2.39		1.35 /U		-						
Q	1.43 *		0.858 */U		1.41 */U						

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

LDC #: 25550M21

VALIDATION FINDINGS WORKSHEET
Field Blanks

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

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

* EMPC

(F)

Y N N/A Were field blanks identified in this SDG?
Blank units: pg/L **Associated sample units:** ng/kg
Sampling date: 12/17/10
Field blank type: (circle one) Field Blank / Rinsate / Other: EB Associated Samples: 1, 4 → 14 75%

Compound	Blank ID	BLK ID	Sample Identification							
	2	3								
I	0.220 *	0.139 *								
J	0.732	0.626								
B	-	0.529 *								
K	0.379 *	0.522								
L	0.332 *	0.325 *								
M	0.344 *	0.283 *								
C	-	-								
D	-	0.185 *								
E	0.250 *	0.194 *								
N	0.355 *	0.252 *								
O	1.18 *	1.69								
F	0.726 *	1.91 *								
P	0.193 *	0.377 *								
G	1.35	13.7								
Q	0.858 *	1.41 *								
CRQL										

LDC #: 25550M2/

VALIDATION FINDINGS WORKSHEET
Internal Standards

Reviewer: FT
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 Are all internal standard recoveries were within the QC criteria?
Y N N/A Was the S/N ratio all internal standard peaks ≥ 10?

(I)

#	Date	Lab ID/Reference	Internal Standard	% Recovery (QC limits)	Qualifications
		10362001-MB	B	6 (35-197)	J/UJ/P qual A
				( )	
				( )	
		2	B	4 (25-164)	J/UJ/P ↓
				( )	
		3	B	16 (25-164)	↓ ↓
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	
				( )	

	Internal Standards	Check Standard Used		Internal Standards	Check Standard Used
A.	^{13}C-2,3,7,8-TCDF		G.	^{13}C-1,2,3,4,6,7,8-HpCDF	
B.	^{13}C-2,3,7,8-TCDD		H.	^{13}C-1,2,3,4,6,7,8-HpCDD	
C.	^{13}C-1,2,3,7,8-PeCDF		I.	^{13}C-OCDD	
D.	^{13}C-1,2,3,7,8-PeCDD		K.	^{13}C-1,2,3,4-TCDD	
E.	^{13}C-1,2,3,4,7,8-HxCDF		L.	^{13}C-1,2,3,7,8,9-HxCDD	
F.	^{13}C-1,2,3,6,7,8-HxCDD				

LDC #: 25550M2 /

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

Page: 1 of 1
Reviewer: FF
2nd Reviewer: [illegible]

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

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

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

#	Date	Compound	Finding	Associated Samples	Qualifications
		F, G	x'd cal ranges	1,4	J/Pdct (* X I)

Comments: See sample calculation verification worksheet for recalculations

LDC #: 25550M2 /

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Page: 1 of 1
Reviewer: EJ
2nd Reviewer: [illegible]

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

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

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

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

#	Date	compd ~~Sample ID~~	Finding	Associated Samples	Qualifications
		H	~~original~~ result on DB-5MS	1, 7	R/A * XIII
		H	~~confirmation result~~ results on SP2331	15, 17	R/A * XIII

Comments: _____

LDC#: 25550M21

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer:
2nd Reviewer:

METHOD: 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?

* EMPC

(FD)

Compound	Concentration (ng/Kg)		≤50 RPD	
	15	17		
H	4.94	4.44	11	
A	0.0424*	0.0511U	200	J/UJ/A
I	1.94	2.12	9	
J	0.819	0.809	1	
B	0.256	0.283*	10	
K	0.430	0.388*	10	
L	0.379	0.404*	6	
M	0.516	0.438	16	
C	0.178*	0.230	25	
D	0.893*	0.918	3	
E	0.927	0.990	7	
N	0.430	0.473	10	
O	2.18	2.11	3	
F	8.87	8.71	2	
P	0.230	0.261*	13	
G	70.8	62.3	13	
Q	3.65	3.16	14	

LDC #: 25550M21

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: [illegible]

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

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported Average RRF (initial)	Recalculated Average RRF (initial)	Reported RRF (CS3 std)	Recalculated RRF (CS3 std)	Reported %RSD	Recalculated %RSD
1	ICAL DB5MS	1/25/11	2,3,7,8-TCDF (^{13}C-2,3,7,8-TCDF)	0.938	0.938	0.946	0.946	4.88	4.88
			2,3,7,8-TCDD (^{13}C-2,3,7,8-TCDD)	1.084	1.084	1.087	1.087	4.03	4.03
			1,2,3,6,7,8-HxCDD (^{13}C-1,2,3,6,7,8-HxCDD)	0.934	0.934	0.953	0.953	4.23	4.23
			1,2,3,4,6,7,8-HpCDD (^{13}C-1,2,4,6,7,8,-HpCDD)	1.014	1.014	1.029	1.029	3.64	3.64
			OCDF (^{13}C-OCDF)	0.930	0.930	0.949	0.949	2.53	2.53
2	ICAL DB5MS	10/26/10	2,3,7,8-TCDF (^{13}C-2,3,7,8-TCDF)	1.024	1.024	1.010	1.010	3.60	3.60
			2,3,7,8-TCDD (^{13}C-2,3,7,8-TCDD)	1.131	1.131	1.078	1.078	9.43	9.43
			1,2,3,6,7,8-HxCDD (^{13}C-1,2,3,6,7,8-HxCDD)	0.969	0.969	1.002	1002	2.30	2.30
			1,2,3,4,6,7,8-HpCDD (^{13}C-1,2,4,6,7,8,-HpCDD)	1.039	1.039	1.065	1.065	2.17	2.17
			OCDF (^{13}C-OCDF)	0.962	0.962	0.975	0.975	1.13	1.13
3	ICAL SP233	9/29/10	2,3,7,8-TCDF (^{13}C-2,3,7,8-TCDF)	0.950	0.950	0.960	0.960	2.26	2.26
			2,3,7,8-TCDD (^{13}C-2,3,7,8-TCDD)						
			1,2,3,6,7,8-HxCDD (^{13}C-1,2,3,6,7,8-HxCDD)						
			1,2,3,4,6,7,8-HpCDD (^{13}C-1,2,4,6,7,8,-HpCDD)						
			OCDF (^{13}C-OCDF)						

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

LDC #: 25550 M2 /

VALIDATION FINDINGS WORKSHEET
Routine Calibration Results Verification

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

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

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

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, 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 conc. RRF (CC)	Recalculated RRF (CC)	Reported %R	Recalculated %R
1	CCV SP233/	2/6/11	2,3,7,8-TCDF (^{13}C-2,3,7,8-TCDF) conf.	10.0	9.660	9.660	97	97
			2,3,7,8-TCDD (^{13}C-2,3,7,8-TCDD)					
			1,2,3,6,7,8-HxCDD (^{13}C-1,2,3,6,7,8-HxCDD)					
			1,2,3,4,6,7,8-HpCDD (^{13}C-1,2,4,6,7,8,-HpCDD)					
			OCDF (^{13}C-OCDF)					
2	CCV DB5MS	2/7/11	2,3,7,8-TCDF (^{13}C-2,3,7,8-TCDF)	10.0	10.40	10.40	104	104
			2,3,7,8-TCDD (^{13}C-2,3,7,8-TCDD)	10.0	10.050	10.050	100	100
			1,2,3,6,7,8-HxCDD (^{13}C-1,2,3,6,7,8-HxCDD)	50.0	54.400	54.40	109	109
			1,2,3,4,6,7,8-HpCDD (^{13}C-1,2,4,6,7,8,-HpCDD)	50.0	54.750	54.750	110	110
			OCDF (^{13}C-OCDF)	100.0	99.290	99.290	99	99
3	CCV DB5MS	1/27/11	2,3,7,8-TCDF (^{13}C-2,3,7,8-TCDF)	10.0	10.020	10.020	100	100
			2,3,7,8-TCDD (^{13}C-2,3,7,8-TCDD)	10.0	10.0	10.0	100	100
			1,2,3,6,7,8-HxCDD (^{13}C-1,2,3,6,7,8-HxCDD)	50.0	51.350	51.350	103	103
			1,2,3,4,6,7,8-HpCDD (^{13}C-1,2,4,6,7,8,-HpCDD)	50.0	50.180	50.180	100	100
			OCDF (^{13}C-OCDF)	100.0	99.750	99.750	100	100

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

LDC #: 25550M21

VALIDATION FINDINGS WORKSHEET
Routine Calibration Results Verification

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

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

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

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, 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)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %R	Recalculated %R
1	CCV DB5MS 15:52	1/28/11	2,3,7,8-TCDF (^{13}C-2,3,7,8-TCDF)	10.0	10.010	10.010	100	100
			2,3,7,8-TCDD (^{13}C-2,3,7,8-TCDD)	10.0	10.070	10.070	101	101
			1,2,3,6,7,8-HxCDD (^{13}C-1,2,3,6,7,8-HxCDD)	50.0	50.440	50.440	101	101
			1,2,3,4,6,7,8-HpCDD (^{13}C-1,2,4,6,7,8,-HpCDD)	50.0	49.810	49.810	100	100
			OCDF (^{13}C-OCDD)	100.00	99.330	99.330	99	99
2	CCV DB5MS 16:50	1/28/11	2,3,7,8-TCDF (^{13}C-2,3,7,8-TCDF)	10.0	10.230	10.230	102	102
			2,3,7,8-TCDD (^{13}C-2,3,7,8-TCDD)	10.0	10.390	10.390	104	104
			1,2,3,6,7,8-HxCDD (^{13}C-1,2,3,6,7,8-HxCDD)	50.0	50.850	50.850	102	102
			1,2,3,4,6,7,8-HpCDD (^{13}C-1,2,4,6,7,8,-HpCDD)	50.0	50.48	50.48	101	101
			OCDF (^{13}C-OCDD)	100.0	99.870	99.870	100	100
3			2,3,7,8-TCDF (^{13}C-2,3,7,8-TCDF)					
			2,3,7,8-TCDD (^{13}C-2,3,7,8-TCDD)					
			1,2,3,6,7,8-HxCDD (^{13}C-1,2,3,6,7,8-HxCDD)					
			1,2,3,4,6,7,8-HpCDD (^{13}C-1,2,4,6,7,8,-HpCDD)					
			OCDF (^{13}C-OCDD)					

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

LDC #: 25350421

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: FT
2nd Reviewer: [illegible]

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 = | MSR - MSDR | * 2/(MSR + MSDR) MSR = Matrix spike percent recovery MSDR = Matrix spike duplicate percent recovery

MS/MSD samples: 22 +23

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	24.7	24.7	0	26.1	25.9	106	106	105	105	1	1
1,2,3,7,8-PeCDD	124	124	0.283	132	129	106	106	104	104	2	2
1,2,3,4,7,8-HxCDD	124	124	0.230	131	125	106	106	101	101	5	5
1,2,3,4,7,8,9-HpCDF	124	124	0.261	127	123	102	102	99	99	3	3
OCDF	247	247	3.16	263	257	105	105	103	103	2	2

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 #: 25553M2/

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Reviewer: FT
2nd Reviewer:

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

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratoy 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 = I LCS - LCSD I * 2/(LCS + LCSD) LCS = Laboraotry control sample percent recovery LCSD = Laboratory control sample duplicate percent recovery

LCS ID: LCS ex 1/12/11

Compound	Spike Added (ng/kg)		Spiked Sample Concentration (ng/kg)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
2,3,7,8-TCDD	20.0	NA	21.3	NA	106	106				
1,2,3,7,8-PeCDD	100		101		101	101				
1,2,3,4,7,8-HxCDD	100		99.1		99	99				
1,2,3,4,7,8,9-HpCDF	100		98.3		98	98				
OCDF	200	↓	198	↓	99	99	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.

SAMPLE DELIVERY GROUP

DX033

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
21-Dec-2010	SED-002-SIV-SD-0.0-0.5	6172363	N	METHOD	1613B	III
21-Dec-2010	SED-002-SIV-SD-0.0-0.5MS	6172364	MS	METHOD	1613B	III
21-Dec-2010	SED-002-SIV-SD-0.0-0.5MSD	6172365	MSD	METHOD	1613B	III
21-Dec-2010	DUP02-SIV-QC-122110	6172362	FD	METHOD	1613B	III
21-Dec-2010	SED-039-SIV-SD-0.0-0.5	6172369	N	METHOD	1613B	III
21-Dec-2010	SED-036-SIV-SD-0.0-0.5	6172367	N	METHOD	1613B	III
21-Dec-2010	SED-015-SIV-SD-0.0-0.5	6172366	N	METHOD	1613B	III
21-Dec-2010	SED-038-SIV-SD-0.0-0.5	6172368	N	METHOD	1613B	III

III = EPA Level 3 Data Review
IV = EPA Level 4 Data Validation
N = Normal Sample
FD = Field Duplicate
TB = Trip Blank
FB = Field Blank
MS = Matrix Spike
MSD = Matrix Spike Duplicate

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX033 **Laboratory:** LL

EDD Filename: DX033_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: DUP02-SIV-QC-122110 *Collected:* 12/21/2010 9:52:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.04	JBQ	0.0419	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.494	JB	0.0197	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0821	JBQ	0.0283	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0497	JB	0.0383	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0820	JBQ	0.0270	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.183	JBQ	0.0385	MDL	5.95	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.117	JBQ	0.0237	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.190	JB	0.0382	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.100	JB	0.0285	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0676	JBQ	0.0382	MDL	5.95	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.177	JBQ	0.0270	MDL	5.95	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.138	JB	0.0250	MDL	5.95	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.314	JBQ	0.0268	MDL	5.95	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.176	JQ	0.0565	MDL	1.19	PQL	ng/Kg	J	Z
OCDF	0.904	JB	0.0465	MDL	11.9	PQL	ng/Kg	U	B

Sample ID: SED-002-SIV-SD-0.0-0.5 *Collected:* 12/21/2010 9:50:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.08	JB	0.0438	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.578	JB	0.0245	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0704	JB	0.0337	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0793	JBQ	0.0421	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0899	JBQ	0.0312	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.149	JBQ	0.0432	MDL	5.98	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0958	JBQ	0.0279	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.203	JB	0.0422	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.112	JBQ	0.0348	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0842	JBQ	0.0465	MDL	5.98	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.201	JB	0.0301	MDL	5.98	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.110	JB	0.0306	MDL	5.98	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.304	JB	0.0300	MDL	5.98	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.112	JQ	0.0642	MDL	1.20	PQL	ng/Kg	J	Z
OCDF	1.09	JBQ	0.0444	MDL	12.0	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX033 **Laboratory: LL**

EDD Filename: DX033_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: SED-015-SIV-SD-0.0-0.5 *Collected:* 12/21/2010 1:05:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	5.17	JB	0.0577	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	1.12	JB	0.0329	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.314	JBQ	0.0447	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.281	JB	0.0583	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.334	JB	0.0461	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.511	JB	0.0613	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.373	JB	0.0422	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.524	JB	0.0598	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.331	JB	0.0521	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.419	JB	0.0572	MDL	6.51	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.452	JB	0.0400	MDL	6.51	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.510	JB	0.0465	MDL	6.51	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.787	JB	0.0387	MDL	6.51	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.349	JQ	0.0932	MDL	1.30	PQL	ng/Kg	J	Z
OCDF	2.04	JB	0.0478	MDL	13.0	PQL	ng/Kg	J	Z

Sample ID: SED-036-SIV-SD-0.0-0.5 *Collected:* 12/21/2010 11:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.22	JB	0.0513	MDL	6.32	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.321	JBQ	0.0198	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0505	JBQ	0.0263	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0608	JB	0.0402	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0784	JBQ	0.0281	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.106	JBQ	0.0431	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0969	JB	0.0244	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0675	JB	0.0407	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0759	JB	0.0288	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.112	JBQ	0.0473	MDL	6.32	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.148	JBQ	0.0298	MDL	6.32	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.131	JB	0.0260	MDL	6.32	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.299	JBQ	0.0287	MDL	6.32	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.175	JQ	0.0689	MDL	1.26	PQL	ng/Kg	J	Z
OCDD	6.76	JB	0.0416	MDL	12.6	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX033 **Laboratory: LL**

EDD Filename: DX033_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: SED-036-SIV-SD-0.0-0.5 *Collected:* 12/21/2010 11:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.491	JB	0.0539	MDL	12.6	PQL	ng/Kg	U	B

Sample ID: SED-038-SIV-SD-0.0-0.5 *Collected:* 12/21/2010 3:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.10	JB	0.115	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.89	JB	0.126	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.670	JB	0.113	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.665	JB	0.0992	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.358	JB	0.126	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	1.51	JB	0.180	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.274	JB	0.0673	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	1.07	JB	0.108	MDL	5.72	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.598	JB	0.0695	MDL	5.72	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.145	JQ	0.111	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.217	JQ	0.125	MDL	1.14	PQL	ng/Kg	J	Z

Sample ID: SED-039-SIV-SD-0.0-0.5 *Collected:* 12/21/2010 10:55:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.51	JB	0.0649	MDL	6.63	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.459	JB	0.0282	MDL	6.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0903	JB	0.0443	MDL	6.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.114	JBQ	0.0493	MDL	6.63	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.150	JB	0.0390	MDL	6.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.257	JBQ	0.0513	MDL	6.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.108	JB	0.0332	MDL	6.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.217	JBQ	0.0475	MDL	6.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0824	JBQ	0.0434	MDL	6.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.223	JBQ	0.0637	MDL	6.63	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.175	JB	0.0381	MDL	6.63	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.107	JB	0.0359	MDL	6.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.353	JBQ	0.0365	MDL	6.63	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.172	JQ	0.0889	MDL	1.33	PQL	ng/Kg	J	Z
OCDF	0.901	JBQ	0.0650	MDL	13.3	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX033 | Laboratory: LL

EDD Filename: DX033_v1 | eQAPP Name: CDM_SSFL_110509

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX033 **Laboratory: LL**

EDD Filename: DX033_v1 **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX033 **Laboratory: LL**

EDD Filename: DX033_v1 **eQAPP Name: CDM_SSFL_110509**

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_v1

eQAPP Name: CDM_SSFL_110509

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

* denotes a non-reportable result

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control
Outlier Reports

DX033

Method Blank Outlier Report

Lab Reporting Batch ID: DX033

Laboratory: LL

EDD Filename: DX033_v1

eQAPP Name: CDM_SSFL_110509

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370617	1/29/2011 6:17:00 AM	1,2,3,4,6,7,8-HPCDD	0.179 ng/Kg	DUP02-SIV-QC-122110
		1,2,3,4,6,7,8-HPCDF	0.0827 ng/Kg	SED-002-SIV-SD-0.0-0.5
		1,2,3,4,7,8,9-HPCDF	0.0521 ng/Kg	SED-015-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HxCDD	0.0203 ng/Kg	SED-036-SIV-SD-0.0-0.5
		1,2,3,4,7,8-HXCDF	0.0517 ng/Kg	SED-038-SIV-SD-0.0-0.5
		1,2,3,6,7,8-HXCDD	0.0286 ng/Kg	SED-039-SIV-SD-0.0-0.5
		1,2,3,6,7,8-HXCDF	0.0385 ng/Kg	
		1,2,3,7,8,9-HXCDD	0.0508 ng/Kg	
		1,2,3,7,8,9-HXCDF	0.0382 ng/Kg	
		1,2,3,7,8-PECDD	0.0434 ng/Kg	
		1,2,3,7,8-PECDF	0.0412 ng/Kg	
		2,3,4,6,7,8-HXCDF	0.0441 ng/Kg	
		2,3,4,7,8-PECDF	0.0797 ng/Kg	
		OCDD	0.535 ng/Kg	
		OCDF	0.232 ng/Kg	

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP02-SIV-QC-122110(RES)	1,2,3,4,7,8,9-HPCDF	0.0821 ng/Kg	0.0821U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,4,7,8-HxCDD	0.0497 ng/Kg	0.0497U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,4,7,8-HXCDF	0.0820 ng/Kg	0.0820U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,6,7,8-HXCDF	0.117 ng/Kg	0.117U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,7,8,9-HXCDD	0.190 ng/Kg	0.190U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,7,8,9-HXCDF	0.100 ng/Kg	0.100U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,7,8-PECDD	0.0676 ng/Kg	0.0676U ng/Kg
DUP02-SIV-QC-122110(RES)	1,2,3,7,8-PECDF	0.177 ng/Kg	0.177U ng/Kg
DUP02-SIV-QC-122110(RES)	2,3,4,6,7,8-HXCDF	0.138 ng/Kg	0.138U ng/Kg
DUP02-SIV-QC-122110(RES)	2,3,4,7,8-PECDF	0.314 ng/Kg	0.314U ng/Kg
DUP02-SIV-QC-122110(RES)	OCDF	0.904 ng/Kg	0.904U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0704 ng/Kg	0.0704U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0793 ng/Kg	0.0793U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0899 ng/Kg	0.0899U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0958 ng/Kg	0.0958U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.203 ng/Kg	0.203U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.112 ng/Kg	0.112U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.0842 ng/Kg	0.0842U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.201 ng/Kg	0.201U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.110 ng/Kg	0.110U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.304 ng/Kg	0.304U ng/Kg
SED-002-SIV-SD-0.0-0.5(RES)	OCDF	1.09 ng/Kg	1.09U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.321 ng/Kg	0.321U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0505 ng/Kg	0.0505U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0608 ng/Kg	0.0608U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0784 ng/Kg	0.0784U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDD	0.106 ng/Kg	0.106U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0969 ng/Kg	0.0969U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.0675 ng/Kg	0.0675U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0759 ng/Kg	0.0759U ng/Kg

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

Method Blank Outlier Report

Lab Reporting Batch ID: DX033 | Laboratory: LL

EDD Filename: DX033_v1 | eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.112 ng/Kg	0.112U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.148 ng/Kg	0.148U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.131 ng/Kg	0.131U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.299 ng/Kg	0.299U ng/Kg
SED-036-SIV-SD-0.0-0.5(RES)	OCDF	0.491 ng/Kg	0.491U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0903 ng/Kg	0.0903U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.150 ng/Kg	0.150U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.108 ng/Kg	0.108U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDD	0.217 ng/Kg	0.217U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0824 ng/Kg	0.0824U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.175 ng/Kg	0.175U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.107 ng/Kg	0.107U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.353 ng/Kg	0.353U ng/Kg
SED-039-SIV-SD-0.0-0.5(RES)	OCDF	0.901 ng/Kg	0.901U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX033 **Laboratory: LL**

EDD Filename: DX033_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 160.3M
Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SED-002-SIV-SD-0.0-0.5	DUP02-SIV-QC-122110			
MOISTURE	16.4	15.9	3		No Qualifiers Applied

Method: 1613B
Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SED-002-SIV-SD-0.0-0.5	DUP02-SIV-QC-122110			
1,2,3,4,6,7,8-HPCDD	2.08	2.04	2	50.00	
1,2,3,4,6,7,8-HPCDF	0.578	0.494	16	50.00	
1,2,3,4,7,8,9-HPCDF	0.0704	0.0821	15	50.00	
1,2,3,4,7,8-HxCDD	0.0793	0.0497	46	50.00	
1,2,3,4,7,8-HXCDF	0.0899	0.0820	9	50.00	
1,2,3,6,7,8-HXCDD	0.149	0.183	20	50.00	
1,2,3,6,7,8-HXCDF	0.0958	0.117	20	50.00	
1,2,3,7,8,9-HXCDD	0.203	0.190	7	50.00	No Qualifiers Applied
1,2,3,7,8,9-HXCDF	0.112	0.100	11	50.00	
1,2,3,7,8-PECDD	0.0842	0.0676	22	50.00	
1,2,3,7,8-PECDF	0.201	0.177	13	50.00	
2,3,4,6,7,8-HXCDF	0.110	0.138	23	50.00	
2,3,4,7,8-PECDF	0.304	0.314	3	50.00	
2,3,7,8-TCDF	0.112	0.176	44	50.00	
OCDD	13.8	14.7	6	50.00	
OCDF	1.09	0.904	19	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX033 **Laboratory: LL**

EDD Filename: DX033_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP02-SIV-QC-122110	1,2,3,4,6,7,8-HPCDD	JBQ	2.04	5.95	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.494	5.95	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0821	5.95	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0497	5.95	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0820	5.95	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.183	5.95	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.117	5.95	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.190	5.95	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.100	5.95	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0676	5.95	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.177	5.95	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.138	5.95	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.314	5.95	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.176	1.19	PQL	ng/Kg	
	OCDF	JB	0.904	11.9	PQL	ng/Kg	
SED-002-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.08	5.98	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.578	5.98	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0704	5.98	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0793	5.98	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0899	5.98	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.149	5.98	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0958	5.98	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.203	5.98	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JBQ	0.112	5.98	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0842	5.98	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.201	5.98	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.110	5.98	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.304	5.98	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.112	1.20	PQL	ng/Kg	
	OCDF	JBQ	1.09	12.0	PQL	ng/Kg	
SED-015-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	5.17	6.51	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	1.12	6.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.314	6.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.281	6.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.334	6.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.511	6.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.373	6.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.524	6.51	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.331	6.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	0.419	6.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.452	6.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.510	6.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.787	6.51	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.349	1.30	PQL	ng/Kg	
	OCDF	JB	2.04	13.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX033 **Laboratory: LL**

EDD Filename: DX033_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-036-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	1.22	6.32	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.321	6.32	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0505	6.32	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0608	6.32	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0784	6.32	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.106	6.32	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0969	6.32	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0675	6.32	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.0759	6.32	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.112	6.32	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.148	6.32	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.131	6.32	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.299	6.32	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.175	1.26	PQL	ng/Kg	
	OCDD	JB	6.76	12.6	PQL	ng/Kg	
	OCDF	JB	0.491	12.6	PQL	ng/Kg	
SED-038-SIV-SD-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.10	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	2.89	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.670	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.665	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.358	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JB	1.51	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JB	0.274	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	1.07	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.598	5.72	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.145	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.217	1.14	PQL	ng/Kg	
SED-039-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.51	6.63	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.459	6.63	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0903	6.63	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.114	6.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.150	6.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.257	6.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.108	6.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.217	6.63	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JBQ	0.0824	6.63	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.223	6.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.175	6.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.107	6.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.353	6.63	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.172	1.33	PQL	ng/Kg	
	OCDF	JBQ	0.901	13.3	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX034

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
22-Dec-2010	SL-101-SA5B-SS-0.0-0.5	6173201	N	METHOD	1613B	III
22-Dec-2010	SL-100-SA5B-SS-0.0-0.5	6173204	N	METHOD	1613B	III
22-Dec-2010	SL-100-SA5B-SS-0.0-0.5MS	6173205	MS	METHOD	1613B	III
22-Dec-2010	SL-100-SA5B-SS-0.0-0.5MSD	6173206	MSD	METHOD	1613B	III
22-Dec-2010	DUP10-SA5B-QC-122210	6173197	FD	METHOD	1613B	III
22-Dec-2010	SL-118-SA5B-SS-0.0-0.5	6173203	N	METHOD	1613B	III
22-Dec-2010	SL-114-SA5B-SS-0.0-0.5	6173207	N	METHOD	1613B	III
22-Dec-2010	SL-117-SA5B-SS-0.0-0.5	6173202	N	METHOD	1613B	III
22-Dec-2010	SL-102-SA5B-SS-0.0-0.5	6173208	N	METHOD	1613B	III
22-Dec-2010	SL-024-SA5B-SS-0.0-0.5	6173209	N	METHOD	1613B	III
22-Dec-2010	SED-010-SIV-SD-0.0-0.5	6173200	N	METHOD	1613B	III
22-Dec-2010	SL-157-SA5B-SB-4.0-5.0	6173210	N	METHOD	1613B	III
22-Dec-2010	SL-157-SA5B-SB-9.0-10.0	6173212	N	METHOD	1613B	III
22-Dec-2010	EB08-SA5B-122210	6173198	EB	METHOD	1613B	III
22-Dec-2010	SL-158-SA5B-SB-4.0-5.0	6173211	N	METHOD	1613B	III
22-Dec-2010	FB06-SA5B-122210	6173199	FB	METHOD	1613B	III
22-Dec-2010	SL-145-SA5B-SB-4.0-5.0	6173213	N	METHOD	1613B	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** AQ

Sample ID: EB08-SA5B-122210 *Collected:* 12/22/2010 11:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.915	JB	0.158	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.921	JB	0.0946	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.383	JB	0.139	MDL	10.7	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.253	JBQ	0.0735	MDL	10.7	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.201	JBQ	0.0711	MDL	10.7	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.167	JBQ	0.0534	MDL	10.7	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.242	JBQ	0.0701	MDL	10.7	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.512	JBQ	0.0479	MDL	10.7	PQL	pg/L	U	B
2,3,7,8-TCDD	0.134	JBQ	0.0904	MDL	2.13	PQL	pg/L	U	B
2,3,7,8-TCDF	0.122	JBQ	0.0724	MDL	2.13	PQL	pg/L	U	B
OCDD	2.88	JBQ	0.291	MDL	21.3	PQL	pg/L	U	B
OCDF	0.642	JBQ	0.257	MDL	21.3	PQL	pg/L	U	B

Sample ID: FB06-SA5B-122210 *Collected:* 12/22/2010 1:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.685	JB	0.134	MDL	10.0	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	0.778	JB	0.0623	MDL	10.0	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.127	JBQ	0.0833	MDL	10.0	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.212	JBQ	0.0549	MDL	10.0	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.115	JBQ	0.0514	MDL	10.0	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.114	JB	0.0880	MDL	10.0	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	0.190	JBQ	0.0622	MDL	10.0	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.172	JBQ	0.117	MDL	10.0	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.0462	JBQ	0.0461	MDL	10.0	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.213	JBQ	0.0527	MDL	10.0	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.407	JBQ	0.0439	MDL	10.0	PQL	pg/L	U	B
OCDD	1.83	JBQ	0.331	MDL	20.1	PQL	pg/L	U	B
OCDF	0.765	JBQ	0.198	MDL	20.1	PQL	pg/L	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX034 **Laboratory:** LL

EDD Filename: DX034_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: DUP10-SA5B-QC-122210 *Collected:* 12/22/2010 9:05:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	5.71	JB	0.0402	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.693	JB	0.0497	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.660	JB	0.0756	MDL	5.79	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.456	JB	0.0524	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.62	J	0.0762	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.328	JBQ	0.0348	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.12	J	0.0761	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.211	JBQ	0.0429	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.284	JQ	0.0622	MDL	5.79	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.214	JBQ	0.0151	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.501	JB	0.0359	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.184	JB	0.0181	MDL	5.79	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0317	JQ	0.0284	MDL	1.16	PQL	ng/Kg	J	Z, FD

Sample ID: SED-010-SIV-SD-0.0-0.5 *Collected:* 12/22/2010 10:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.09	JB	0.0226	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0939	JBQ	0.0291	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.127	JBQ	0.0512	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.287	JBQ	0.0288	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.467	J	0.0525	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.179	JBQ	0.0228	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.368	J	0.0502	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0739	JBQ	0.0254	MDL	6.11	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.220	JQ	0.0364	MDL	6.11	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.169	JBQ	0.0155	MDL	6.11	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.220	JB	0.0237	MDL	6.11	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.397	JB	0.0197	MDL	6.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0453	J	0.0269	MDL	1.22	PQL	ng/Kg	J	Z
OCDF	2.13	JB	0.0333	MDL	12.2	PQL	ng/Kg	J	Z

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX034 **Laboratory:** LL

EDD Filename: DX034_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-024-SA5B-SS-0.0-0.5 ***Collected:*** 12/22/2010 10:01:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.949	JB	0.0273	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.228	JB	0.0357	MDL	6.27	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.156	JB	0.0466	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.202	JB	0.0356	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.372	J	0.0464	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.154	JB	0.0257	MDL	6.27	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.299	J	0.0445	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.227	JB	0.0276	MDL	6.27	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.104	J	0.0262	MDL	6.27	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.122	JBQ	0.0123	MDL	6.27	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.228	JB	0.0228	MDL	6.27	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.109	JBQ	0.0135	MDL	6.27	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0363	JBQ	0.0330	MDL	1.25	PQL	ng/Kg	U	B
OCDF	2.68	JB	0.0425	MDL	12.5	PQL	ng/Kg	J	Z

Sample ID: SL-100-SA5B-SS-0.0-0.5 ***Collected:*** 12/22/2010 9:02:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.69	JB	0.0357	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.499	JB	0.0487	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.336	JB	0.0827	MDL	5.81	PQL	ng/Kg	J	Z, FD
1,2,3,4,7,8-HXCDF	0.324	JB	0.0364	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.72	J	0.0849	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.215	JBQ	0.0298	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.723	J	0.0810	MDL	5.81	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.135	JBQ	0.0358	MDL	5.81	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.147	JQ	0.0597	MDL	5.81	PQL	ng/Kg	J	Z, FD
1,2,3,7,8-PECDF	0.160	JBQ	0.0142	MDL	5.81	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.335	JB	0.0321	MDL	5.81	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.208	JB	0.0160	MDL	5.81	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0276	U	0.0276	MDL	1.16	PQL	ng/Kg	UJ	FD

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX034 **Laboratory:** LL

EDD Filename: DX034_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-101-SA5B-SS-0.0-0.5 **Collected:** 12/22/2010 9:00:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.567	JB	0.0405	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0516	JB	0.0196	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0292	JBQ	0.0220	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.214	J	0.0291	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0320	JBQ	0.0155	MDL	5.89	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.323	J	0.0290	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.303	JB	0.0174	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0462	JQ	0.0340	MDL	5.89	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0545	JBQ	0.00789	MDL	5.89	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0452	JB	0.00872	MDL	5.89	PQL	ng/Kg	U	B
OCDD	3.59	JB	0.0578	MDL	11.8	PQL	ng/Kg	U	B
OCDF	0.246	JBQ	0.0490	MDL	11.8	PQL	ng/Kg	U	B

Sample ID: SL-102-SA5B-SS-0.0-0.5 **Collected:** 12/22/2010 9:36:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.65	JB	0.0458	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.487	JB	0.0423	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.274	JBQ	0.0592	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.321	JBQ	0.0461	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.993	J	0.0583	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.270	JBQ	0.0338	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.633	J	0.0525	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.154	JB	0.0304	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.140	J	0.0379	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.124	JBQ	0.0154	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.267	JB	0.0278	MDL	5.65	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.122	JBQ	0.0176	MDL	5.65	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0606	JBQ	0.0428	MDL	1.13	PQL	ng/Kg	U	B

Sample ID: SL-114-SA5B-SS-0.0-0.5 **Collected:** 12/22/2010 9:22:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.19	JB	0.0362	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.372	JBQ	0.0471	MDL	6.23	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX034 **Laboratory:** LL

EDD Filename: DX034_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-114-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:22:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HxCDD	0.285	JBQ	0.0636	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.331	JB	0.0352	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.969	J	0.0651	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.295	JB	0.0315	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.758	J	0.0651	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.224	JBQ	0.0300	MDL	6.23	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.253	J	0.0355	MDL	6.23	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.183	JB	0.0142	MDL	6.23	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.249	JB	0.0294	MDL	6.23	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.148	JBQ	0.0151	MDL	6.23	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0498	JQ	0.0228	MDL	1.25	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0312	JBQ	0.0307	MDL	1.25	PQL	ng/Kg	U	B
OCDF	10.4	JB	0.0369	MDL	12.5	PQL	ng/Kg	J	Z

Sample ID: SL-117-SA5B-SS-0.0-0.5 *Collected:* 12/22/2010 9:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.26	JB	0.0602	MDL	6.20	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.346	JB	0.0230	MDL	6.20	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0324	JB	0.0305	MDL	6.20	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0337	JBQ	0.0246	MDL	6.20	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0334	JBQ	0.0195	MDL	6.20	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0782	JQ	0.0264	MDL	6.20	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0318	JBQ	0.0159	MDL	6.20	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0933	JQ	0.0258	MDL	6.20	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0327	JB	0.0175	MDL	6.20	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0485	JQ	0.0284	MDL	6.20	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0459	JB	0.0104	MDL	6.20	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0298	JBQ	0.0136	MDL	6.20	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0663	JBQ	0.0112	MDL	6.20	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0344	JQ	0.0227	MDL	1.24	PQL	ng/Kg	J	Z
OCDF	1.04	JBQ	0.0442	MDL	12.4	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX034 **Laboratory:** LL

EDD Filename: DX034_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-118-SA5B-SS-0.0-0.5 **Collected:** 12/22/2010 9:10:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.29	JB	0.0290	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.157	JBQ	0.0320	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.124	JB	0.0488	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.134	JB	0.0382	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.390	JQ	0.0482	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.127	JBQ	0.0301	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.318	J	0.0467	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.200	JBQ	0.0297	MDL	5.90	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0471	JQ	0.0309	MDL	5.90	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.104	JB	0.0178	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0877	JBQ	0.0282	MDL	5.90	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.287	JBQ	0.0170	MDL	5.90	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0377	JBQ	0.0367	MDL	1.18	PQL	ng/Kg	U	B
OCDF	4.02	JB	0.0435	MDL	11.8	PQL	ng/Kg	J	Z

Sample ID: SL-145-SA5B-SB-4.0-5.0 **Collected:** 12/22/2010 2:54:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.251	JB	0.0280	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0803	JBQ	0.0168	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0257	JBQ	0.0167	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0352	JBQ	0.0192	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.126	JQ	0.0193	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0161	JB	0.0124	MDL	5.72	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.182	JQ	0.0191	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.268	JB	0.0119	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0271	J	0.0260	MDL	5.72	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0333	JBQ	0.00709	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0315	JB	0.0114	MDL	5.72	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0551	JBQ	0.00847	MDL	5.72	PQL	ng/Kg	U	B
OCDD	1.37	JBQ	0.0307	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.134	JB	0.0244	MDL	11.4	PQL	ng/Kg	U	B

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-157-SA5B-SB-4.0-5.0 *Collected:* 12/22/2010 10:48:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.24	JB	0.0349	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.213	JB	0.0184	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.0557	JB	0.0231	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0315	JBQ	0.0279	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0722	JBQ	0.0293	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.416	JQ	0.0261	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0787	JBQ	0.0182	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.557	J	0.0233	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.324	JBQ	0.0172	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0595	JQ	0.0232	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.108	JB	0.00823	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0783	JBQ	0.0156	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.113	JB	0.0104	MDL	5.49	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.0410	JBQ	0.0234	MDL	1.10	PQL	ng/Kg	U	B
OCDF	0.566	JBQ	0.0403	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-157-SA5B-SB-9.0-10.0 *Collected:* 12/22/2010 10:52:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.294	JB	0.0279	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.0436	JB	0.0129	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0415	JBQ	0.0172	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0248	JBQ	0.0183	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0361	JB	0.0158	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0946	JQ	0.0184	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0250	JBQ	0.0118	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.199	JQ	0.0179	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.169	JB	0.0129	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0256	JQ	0.0204	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0315	JBQ	0.00702	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0117	JBQ	0.0111	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0464	JBQ	0.00758	MDL	5.57	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0194	JQ	0.0171	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	1.64	JB	0.0320	MDL	11.1	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX034 **Laboratory:** LL

EDD Filename: DX034_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-157-SA5B-SB-9.0-10.0 ***Collected:*** 12/22/2010 10:52:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	0.141	JB	0.0247	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-158-SA5B-SB-4.0-5.0 ***Collected:*** 12/22/2010 12:09:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.636	JBQ	0.0316	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.119	JBQ	0.0150	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0346	JBQ	0.0178	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0499	JBQ	0.0186	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.380	J	0.0293	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0743	JBQ	0.0145	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.742	J	0.0271	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.441	JB	0.0162	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.0711	J	0.0254	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0608	JBQ	0.0103	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0421	JB	0.0139	MDL	5.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0667	JBQ	0.0114	MDL	5.54	PQL	ng/Kg	U	B
OCDD	9.91	JB	0.0299	MDL	11.1	PQL	ng/Kg	J	Z
OCDF	0.258	JB	0.0253	MDL	11.1	PQL	ng/Kg	U	B

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX034
EDD Filename: DX034_v1

Laboratory: LL
eQAPP Name: CDM_SSFL_110509

Reason Code Legend

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

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

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

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

* denotes a non-reportable result

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control Outlier Reports

DX034

Method Blank Outlier Report

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB371225	1/20/2011 12:25:00 PM	1,2,3,4,6,7,8-HPCDD	2.11 pg/L	EB08-SA5B-122210
		1,2,3,4,6,7,8-HPCDF	1.21 pg/L	FB06-SA5B-122210
		1,2,3,4,7,8,9-HPCDF	0.676 pg/L	
		1,2,3,4,7,8-HxCDD	0.582 pg/L	
		1,2,3,4,7,8-HXCDF	0.509 pg/L	
		1,2,3,6,7,8-HXCDD	0.636 pg/L	
		1,2,3,6,7,8-HXCDF	0.532 pg/L	
		1,2,3,7,8,9-HXCDD	0.695 pg/L	
		1,2,3,7,8,9-HXCDF	0.680 pg/L	
		1,2,3,7,8-PECDD	0.436 pg/L	
		1,2,3,7,8-PECDF	0.316 pg/L	
		2,3,4,6,7,8-HXCDF	0.551 pg/L	
		2,3,4,7,8-PECDF	0.610 pg/L	
		2,3,7,8-TCDD	0.196 pg/L	
		2,3,7,8-TCDF	0.133 pg/L	
		OCDD	7.03 pg/L	
		OCDF	3.35 pg/L	

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB08-SA5B-122210(RES)	1,2,3,4,6,7,8-HPCDD	0.915 pg/L	0.915U pg/L
EB08-SA5B-122210(RES)	1,2,3,4,6,7,8-HPCDF	0.921 pg/L	0.921U pg/L
EB08-SA5B-122210(RES)	1,2,3,4,7,8,9-HPCDF	0.383 pg/L	0.383U pg/L
EB08-SA5B-122210(RES)	1,2,3,4,7,8-HXCDF	0.253 pg/L	0.253U pg/L
EB08-SA5B-122210(RES)	1,2,3,6,7,8-HXCDF	0.201 pg/L	0.201U pg/L
EB08-SA5B-122210(RES)	1,2,3,7,8-PECDF	0.167 pg/L	0.167U pg/L
EB08-SA5B-122210(RES)	2,3,4,6,7,8-HXCDF	0.242 pg/L	0.242U pg/L
EB08-SA5B-122210(RES)	2,3,4,7,8-PECDF	0.512 pg/L	0.512U pg/L
EB08-SA5B-122210(RES)	2,3,7,8-TCDD	0.134 pg/L	0.134U pg/L
EB08-SA5B-122210(RES)	2,3,7,8-TCDF	0.122 pg/L	0.122U pg/L
EB08-SA5B-122210(RES)	OCDD	2.88 pg/L	2.88U pg/L
EB08-SA5B-122210(RES)	OCDF	0.642 pg/L	0.642U pg/L
FB06-SA5B-122210(RES)	1,2,3,4,6,7,8-HPCDD	0.685 pg/L	0.685U pg/L
FB06-SA5B-122210(RES)	1,2,3,4,6,7,8-HPCDF	0.778 pg/L	0.778U pg/L
FB06-SA5B-122210(RES)	1,2,3,4,7,8,9-HPCDF	0.127 pg/L	0.127U pg/L
FB06-SA5B-122210(RES)	1,2,3,4,7,8-HXCDF	0.212 pg/L	0.212U pg/L
FB06-SA5B-122210(RES)	1,2,3,6,7,8-HXCDF	0.115 pg/L	0.115U pg/L
FB06-SA5B-122210(RES)	1,2,3,7,8,9-HXCDD	0.114 pg/L	0.114U pg/L
FB06-SA5B-122210(RES)	1,2,3,7,8,9-HXCDF	0.190 pg/L	0.190U pg/L
FB06-SA5B-122210(RES)	1,2,3,7,8-PECDD	0.172 pg/L	0.172U pg/L
FB06-SA5B-122210(RES)	1,2,3,7,8-PECDF	0.0462 pg/L	0.0462U pg/L
FB06-SA5B-122210(RES)	2,3,4,6,7,8-HXCDF	0.213 pg/L	0.213U pg/L
FB06-SA5B-122210(RES)	2,3,4,7,8-PECDF	0.407 pg/L	0.407U pg/L
FB06-SA5B-122210(RES)	OCDD	1.83 pg/L	1.83U pg/L
FB06-SA5B-122210(RES)	OCDF	0.765 pg/L	0.765U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX034

EDD Filename: DX034_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB370516	1/30/2011 5:16:00 AM	1,2,3,4,6,7,8-HPCDD	0.244 ng/Kg	DUP10-SA5B-QC-122210
		1,2,3,4,6,7,8-HPCDF	0.0317 ng/Kg	SED-010-SIV-SD-0.0-0.5
		1,2,3,4,7,8,9-HPCDF	0.0484 ng/Kg	SL-024-SA5B-SS-0.0-0.5
		1,2,3,4,7,8-HxCDD	0.0290 ng/Kg	SL-100-SA5B-SS-0.0-0.5
		1,2,3,4,7,8-HXCDF	0.0386 ng/Kg	SL-101-SA5B-SS-0.0-0.5
		1,2,3,6,7,8-HXCDF	0.0440 ng/Kg	SL-102-SA5B-SS-0.0-0.5
		1,2,3,7,8,9-HXCDF	0.0458 ng/Kg	SL-114-SA5B-SS-0.0-0.5
		1,2,3,7,8-PECDF	0.0353 ng/Kg	SL-117-SA5B-SS-0.0-0.5
		2,3,4,6,7,8-HXCDF	0.0450 ng/Kg	SL-118-SA5B-SS-0.0-0.5
		2,3,4,7,8-PECDF	0.0543 ng/Kg	SL-145-SA5B-SB-4.0-5.0
		2,3,7,8-TCDF	0.0195 ng/Kg	SL-157-SA5B-SB-4.0-5.0
		OCDD	0.827 ng/Kg	SL-157-SA5B-SB-9.0-10.0
		OCDF	0.165 ng/Kg	SL-158-SA5B-SB-4.0-5.0

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP10-SA5B-QC-122210(RES)	1,2,3,7,8,9-HXCDF	0.211 ng/Kg	0.211U ng/Kg
DUP10-SA5B-QC-122210(RES)	2,3,4,7,8-PECDF	0.184 ng/Kg	0.184U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0939 ng/Kg	0.0939U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.127 ng/Kg	0.127U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.179 ng/Kg	0.179U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0739 ng/Kg	0.0739U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.169 ng/Kg	0.169U ng/Kg
SED-010-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.220 ng/Kg	0.220U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.228 ng/Kg	0.228U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.154 ng/Kg	0.154U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.227 ng/Kg	0.227U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.122 ng/Kg	0.122U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.109 ng/Kg	0.109U ng/Kg
SL-024-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0363 ng/Kg	0.0363U ng/Kg
SL-100-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.215 ng/Kg	0.215U ng/Kg
SL-100-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.135 ng/Kg	0.135U ng/Kg
SL-100-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.160 ng/Kg	0.160U ng/Kg
SL-100-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.208 ng/Kg	0.208U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDD	0.567 ng/Kg	0.567U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.0516 ng/Kg	0.0516U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0292 ng/Kg	0.0292U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0320 ng/Kg	0.0320U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0545 ng/Kg	0.0545U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0452 ng/Kg	0.0452U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	OCDD	3.59 ng/Kg	3.59U ng/Kg
SL-101-SA5B-SS-0.0-0.5(RES)	OCDF	0.246 ng/Kg	0.246U ng/Kg
SL-102-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.154 ng/Kg	0.154U ng/Kg
SL-102-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.124 ng/Kg	0.124U ng/Kg
SL-102-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.122 ng/Kg	0.122U ng/Kg
SL-102-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0606 ng/Kg	0.0606U ng/Kg
SL-114-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.224 ng/Kg	0.224U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-114-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.148 ng/Kg	0.148U ng/Kg
SL-114-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0312 ng/Kg	0.0312U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0324 ng/Kg	0.0324U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.0337 ng/Kg	0.0337U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.0334 ng/Kg	0.0334U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0318 ng/Kg	0.0318U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0327 ng/Kg	0.0327U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.0459 ng/Kg	0.0459U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-117-SA5B-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.0663 ng/Kg	0.0663U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.157 ng/Kg	0.157U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.124 ng/Kg	0.124U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.134 ng/Kg	0.134U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.127 ng/Kg	0.127U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.200 ng/Kg	0.200U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.104 ng/Kg	0.104U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.0877 ng/Kg	0.0877U ng/Kg
SL-118-SA5B-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.0377 ng/Kg	0.0377U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.251 ng/Kg	0.251U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0803 ng/Kg	0.0803U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0257 ng/Kg	0.0257U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0352 ng/Kg	0.0352U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0161 ng/Kg	0.0161U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0333 ng/Kg	0.0333U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0315 ng/Kg	0.0315U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0551 ng/Kg	0.0551U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	OCDD	1.37 ng/Kg	1.37U ng/Kg
SL-145-SA5B-SB-4.0-5.0(RES)	OCDF	0.134 ng/Kg	0.134U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0557 ng/Kg	0.0557U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0315 ng/Kg	0.0315U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0722 ng/Kg	0.0722U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0787 ng/Kg	0.0787U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.108 ng/Kg	0.108U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0783 ng/Kg	0.0783U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.113 ng/Kg	0.113U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	2,3,7,8-TCDF	0.0410 ng/Kg	0.0410U ng/Kg
SL-157-SA5B-SB-4.0-5.0(RES)	OCDF	0.566 ng/Kg	0.566U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.294 ng/Kg	0.294U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.0436 ng/Kg	0.0436U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0415 ng/Kg	0.0415U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX034

EDD Filename: DX034_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0248 ng/Kg	0.0248U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0361 ng/Kg	0.0361U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0250 ng/Kg	0.0250U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.169 ng/Kg	0.169U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0315 ng/Kg	0.0315U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0117 ng/Kg	0.0117U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0464 ng/Kg	0.0464U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	OCDD	1.64 ng/Kg	1.64U ng/Kg
SL-157-SA5B-SB-9.0-10.0(RES)	OCDF	0.141 ng/Kg	0.141U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.636 ng/Kg	0.636U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.119 ng/Kg	0.119U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0346 ng/Kg	0.0346U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0499 ng/Kg	0.0499U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0743 ng/Kg	0.0743U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0608 ng/Kg	0.0608U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0421 ng/Kg	0.0421U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0667 ng/Kg	0.0667U ng/Kg
SL-158-SA5B-SB-4.0-5.0(RES)	OCDF	0.258 ng/Kg	0.258U ng/Kg

Field Duplicate RPD Report

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method: 160.3M
Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
MOISTURE	13.9	13.7	1		No Qualifiers Applied

Method: 1613B
Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-100-SA5B-SS-0.0-0.5	DUP10-SA5B-QC-122210			
1,2,3,4,6,7,8-HPCDD	53.1	69.0	26	50.00	No Qualifiers Applied
1,2,3,4,6,7,8-HPCDF	4.69	5.71	20	50.00	
1,2,3,4,7,8,9-HPCDF	0.499	0.693	33	50.00	
1,2,3,4,7,8-HXCDF	0.324	0.456	34	50.00	
1,2,3,6,7,8-HXCDD	1.72	2.62	41	50.00	
1,2,3,6,7,8-HXCDF	0.215	0.328	42	50.00	
1,2,3,7,8,9-HXCDD	0.723	1.12	43	50.00	
1,2,3,7,8,9-HXCDF	0.135	0.211	44	50.00	
1,2,3,7,8-PECDF	0.160	0.214	29	50.00	
2,3,4,6,7,8-HXCDF	0.335	0.501	40	50.00	
2,3,4,7,8-PECDF	0.208	0.184	12	50.00	
OCDD	707	666	6	50.00	
OCDF	11.8	19.0	47	50.00	
1,2,3,4,7,8-HxCDD	0.336	0.660	65	50.00	J(all detects) UJ(all non-detects)
1,2,3,7,8-PECDD	0.147	0.284	64	50.00	
2,3,7,8-TCDD	1.16 U	0.0317	200	50.00	

Reporting Limit Outliers

Lab Reporting Batch ID: DX034

EDD Filename: DX034_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB08-SA5B-122210	1,2,3,4,6,7,8-HPCDD	JB	0.915	10.7	PQL	pg/L	
	1,2,3,4,6,7,8-HPCDF	JB	0.921	10.7	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	0.383	10.7	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.253	10.7	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.201	10.7	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.167	10.7	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.242	10.7	PQL	pg/L	J (all detects)
	2,3,4,7,8-PECDF	JBQ	0.512	10.7	PQL	pg/L	
	2,3,7,8-TCDD	JBQ	0.134	2.13	PQL	pg/L	
	2,3,7,8-TCDF	JBQ	0.122	2.13	PQL	pg/L	
	OCDD	JBQ	2.88	21.3	PQL	pg/L	
	OCDF	JBQ	0.642	21.3	PQL	pg/L	
FB06-SA5B-122210	1,2,3,4,6,7,8-HPCDD	JB	0.685	10.0	PQL	pg/L	
	1,2,3,4,6,7,8-HPCDF	JB	0.778	10.0	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.127	10.0	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.212	10.0	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.115	10.0	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JB	0.114	10.0	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.190	10.0	PQL	pg/L	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.172	10.0	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.0462	10.0	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.213	10.0	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.407	10.0	PQL	pg/L	
	OCDD	JBQ	1.83	20.1	PQL	pg/L	
	OCDF	JBQ	0.765	20.1	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP10-SA5B-QC-122210	1,2,3,4,6,7,8-HPCDF	JB	5.71	5.79	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.693	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.660	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.456	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	2.62	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.328	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	1.12	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JBQ	0.211	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.284	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.214	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.501	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.184	5.79	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0317	1.16	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX034

EDD Filename: DX034_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-010-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.09	6.11	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0939	6.11	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.127	6.11	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.287	6.11	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.467	6.11	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.179	6.11	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.368	6.11	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0739	6.11	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.220	6.11	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.169	6.11	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.220	6.11	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.397	6.11	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.0453	1.22	PQL	ng/Kg	
	OCDF	JB	2.13	12.2	PQL	ng/Kg	
SL-024-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	0.949	6.27	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.228	6.27	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.156	6.27	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.202	6.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.372	6.27	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.154	6.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.299	6.27	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.227	6.27	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.104	6.27	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.122	6.27	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.228	6.27	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.109	6.27	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0363	1.25	PQL	ng/Kg	
	OCDF	JB	2.68	12.5	PQL	ng/Kg	
SL-100-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.69	5.81	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.499	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.336	5.81	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.324	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	1.72	5.81	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.215	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.723	5.81	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.135	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.147	5.81	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.160	5.81	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.335	5.81	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.208	5.81	PQL	ng/Kg	
SL-101-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	0.567	5.89	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0516	5.89	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0292	5.89	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.214	5.89	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0320	5.89	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.323	5.89	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.303	5.89	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0462	5.89	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0545	5.89	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0452	5.89	PQL	ng/Kg	
	OCDD	JB	3.59	11.8	PQL	ng/Kg	
	OCDF	JBQ	0.246	11.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX034

EDD Filename: DX034_v1

Laboratory: LL

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-102-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.65	5.65	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.487	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.274	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.321	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.993	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.270	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.633	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.154	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.140	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.124	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.267	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.122	5.65	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0606	1.13	PQL	ng/Kg	
SL-114-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.19	6.23	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.372	6.23	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.285	6.23	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.331	6.23	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.969	6.23	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.295	6.23	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.758	6.23	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.224	6.23	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	J	0.253	6.23	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.183	6.23	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.249	6.23	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.148	6.23	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0498	1.25	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0312	1.25	PQL	ng/Kg	
	OCDF	JB	10.4	12.5	PQL	ng/Kg	
SL-117-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.26	6.20	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.346	6.20	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0324	6.20	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0337	6.20	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0334	6.20	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0782	6.20	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0318	6.20	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0933	6.20	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.0327	6.20	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0485	6.20	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.0459	6.20	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0298	6.20	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0663	6.20	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0344	1.24	PQL	ng/Kg	
	OCDF	JBQ	1.04	12.4	PQL	ng/Kg	
SL-118-SA5B-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.29	5.90	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.157	5.90	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.124	5.90	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.134	5.90	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.390	5.90	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.127	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.318	5.90	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.200	5.90	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JQ	0.0471	5.90	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.104	5.90	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0877	5.90	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.287	5.90	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0377	1.18	PQL	ng/Kg	
	OCDF	JB	4.02	11.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-145-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.251	5.72	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.0803	5.72	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0257	5.72	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0352	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.126	5.72	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0161	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.182	5.72	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.268	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0271	5.72	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0333	5.72	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0315	5.72	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0551	5.72	PQL	ng/Kg	
	OCDD	JBQ	1.37	11.4	PQL	ng/Kg	
	OCDF	JB	0.134	11.4	PQL	ng/Kg	
SL-157-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.24	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.213	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0557	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0315	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0722	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.416	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0787	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.557	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.324	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0595	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.108	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0783	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.113	5.49	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0410	1.10	PQL	ng/Kg	
	OCDF	JBQ	0.566	11.0	PQL	ng/Kg	
SL-157-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.294	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.0436	5.57	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0415	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0248	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0361	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0946	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0250	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.199	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.169	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0256	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0315	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0117	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0464	5.57	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0194	1.11	PQL	ng/Kg	
	OCDD	JB	1.64	11.1	PQL	ng/Kg	
	OCDF	JB	0.141	11.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX034

Laboratory: LL

EDD Filename: DX034_v1

eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-158-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.636	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.119	5.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0346	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0499	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.380	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0743	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.742	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.441	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	J	0.0711	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0608	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0421	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0667	5.54	PQL	ng/Kg	
	OCDD	JB	9.91	11.1	PQL	ng/Kg	
	OCDF	JB	0.258	11.1	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX038

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
11-Jan-2011	SL-087-SA5B-SB-3.0-4.0	6182716	N	METHOD	1613B	III
11-Jan-2011	SL-100-SA5B-SB-4.0-5.0	6182715	N	METHOD	1613B	III
11-Jan-2011	SL-099-SA5B-SB-4.0-5.0	6182714	N	METHOD	1613B	III
11-Jan-2011	SL-088-SA5B-SB-3.0-4.0	6182718	N	METHOD	1613B	III
11-Jan-2011	SL-085-SA5B-SB-3.0-4.0	6182717	N	METHOD	1613B	III
11-Jan-2011	SL-090-SA5B-SB-2.5-3.5	6182720	N	METHOD	1613B	III
11-Jan-2011	SL-089-SA5B-SB-4.0-5.0	6182719	N	METHOD	1613B	III
11-Jan-2011	SL-091-SA5B-SB-4.0-5.0	6182721	N	METHOD	1613B	III
11-Jan-2011	SL-093-SA5B-SB-3.0-4.0	6182724	N	METHOD	1613B	III
11-Jan-2011	SL-086-SA5B-SB-4.0-5.0	6182722	N	METHOD	1613B	III
11-Jan-2011	SL-094-SA5B-SB-4.0-5.0	6182723	N	METHOD	1613B	III
13-Jan-2011	SL-119-SA5B-SB-3.0-4.0	6183576	N	METHOD	1613B	III
13-Jan-2011	SED-009-SIV-SD-0.0-0.5	6183577	N	METHOD	1613B	III
13-Jan-2011	SL-121-SA5B-SB-4.0-5.0	6183573	N	METHOD	1613B	III
13-Jan-2011	SL-121-SA5B-SB-9.0-10.0	6183574	N	METHOD	1613B	III
13-Jan-2011	SED-028-SIV-SD-0.0-0.5	6183578	N	METHOD	1613B	III
13-Jan-2011	SL-120-SA5B-SB-3.0-4.0	6183575	N	METHOD	1613B	III
13-Jan-2011	EB21-SA5B-011311	6183581	EB	METHOD	1613B	III
13-Jan-2011	EB20-SA5B-011311	6183580	EB	METHOD	1613B	III
13-Jan-2011	SL-122-SA5B-SB-2.0-3.0	6183579	N	METHOD	1613B	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory:** LL

EDD Filename: DX038_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** AQ

Sample ID: EB20-SA5B-011311 *Collected:* 1/13/2011 1:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.25	JB	0.287	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	3.35	JB	0.147	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.385	JBQ	0.180	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	0.167	JBQ	0.145	MDL	10.9	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.640	JBQ	0.158	MDL	10.9	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	0.509	JBQ	0.150	MDL	10.9	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.378	JBQ	0.145	MDL	10.9	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.189	JQ	0.143	MDL	10.9	PQL	pg/L	J	Z
1,2,3,7,8-PECDF	0.132	JBQ	0.0897	MDL	10.9	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.725	JB	0.138	MDL	10.9	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.481	JBQ	0.0832	MDL	10.9	PQL	pg/L	U	B
OCDD	5.27	JB	0.306	MDL	21.7	PQL	pg/L	U	B
OCDF	2.41	JB	0.293	MDL	21.7	PQL	pg/L	U	B

Sample ID: EB21-SA5B-011311 *Collected:* 1/13/2011 11:55:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.75	JBQ	0.319	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	3.69	JBQ	0.144	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	0.282	JBQ	0.160	MDL	10.2	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	0.477	JBQ	0.149	MDL	10.2	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	0.581	JBQ	0.141	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	0.360	JQ	0.177	MDL	10.2	PQL	pg/L	J	Z
1,2,3,7,8,9-HXCDF	0.313	JBQ	0.150	MDL	10.2	PQL	pg/L	U	B
1,2,3,7,8-PECDF	0.173	JBQ	0.103	MDL	10.2	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	0.656	JBQ	0.134	MDL	10.2	PQL	pg/L	U	B
2,3,4,7,8-PECDF	0.660	JBQ	0.0953	MDL	10.2	PQL	pg/L	U	B
OCDD	4.78	JB	0.387	MDL	20.3	PQL	pg/L	U	B
OCDF	2.42	JBQ	0.302	MDL	20.3	PQL	pg/L	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: SED-009-SIV-SD-0.0-0.5 ***Collected:*** 1/13/2011 9:45:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.52	JB	0.0378	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.158	JB	0.0489	MDL	6.54	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.183	JQ	0.0590	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.531	JBQ	0.0460	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.490	JQ	0.0620	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.282	JBQ	0.0401	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.354	JQ	0.0575	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0676	JBQ	0.0452	MDL	6.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.245	JQ	0.0590	MDL	6.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.618	J	0.0618	MDL	6.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.275	JBQ	0.0405	MDL	6.54	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.956	J	0.0582	MDL	6.54	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.338	JQ	0.162	MDL	1.31	PQL	ng/Kg	J	Z
OCDF	2.84	JB	0.0610	MDL	13.1	PQL	ng/Kg	J	Z

Sample ID: SED-028-SIV-SD-0.0-0.5 ***Collected:*** 1/13/2011 11:15:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	2.91	JB	0.0559	MDL	7.08	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.663	JB	0.0235	MDL	7.08	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0991	JBQ	0.0343	MDL	7.08	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.123	J	0.0441	MDL	7.08	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.163	JBQ	0.0303	MDL	7.08	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.226	J	0.0443	MDL	7.08	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0995	JBQ	0.0266	MDL	7.08	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.156	J	0.0452	MDL	7.08	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.206	J	0.0320	MDL	7.08	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.137	JBQ	0.0279	MDL	7.08	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.266	JQ	0.0313	MDL	7.08	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0948	J	0.0707	MDL	1.42	PQL	ng/Kg	J	Z
OCDF	1.72	JB	0.0690	MDL	14.2	PQL	ng/Kg	J	Z

Sample ID: SL-085-SA5B-SB-3.0-4.0 ***Collected:*** 1/11/2011 11:35:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.299	JB	0.0519	MDL	5.42	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory:** LL

EDD Filename: DX038_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-085-SA5B-SB-3.0-4.0 ***Collected:*** 1/11/2011 11:35:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.337	JB	0.0349	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.127	JB	0.0484	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0421	JQ	0.0353	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.0511	JQ	0.0355	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0814	JB	0.0251	MDL	5.42	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0533	JQ	0.0343	MDL	5.42	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0607	JB	0.0290	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.125	JBQ	0.0254	MDL	5.42	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0604	JQ	0.0260	MDL	5.42	PQL	ng/Kg	J	Z
OCDD	1.00	JB	0.0431	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.383	JBQ	0.0694	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-086-SA5B-SB-4.0-5.0 ***Collected:*** 1/11/2011 4:00:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.189	JB	0.0368	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.319	JB	0.0172	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0381	JB	0.0220	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0638	JB	0.0228	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0427	JBQ	0.0182	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0263	JQ	0.0244	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0245	JB	0.0208	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0420	JQ	0.0182	MDL	5.61	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0787	JBQ	0.0189	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0742	JQ	0.0180	MDL	5.61	PQL	ng/Kg	J	Z
OCDD	0.706	JB	0.0443	MDL	11.2	PQL	ng/Kg	U	B
OCDF	0.288	JBQ	0.0494	MDL	11.2	PQL	ng/Kg	U	B

Sample ID: SL-087-SA5B-SB-3.0-4.0 ***Collected:*** 1/11/2011 9:08:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.335	JBQ	0.0423	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.383	JB	0.0197	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0389	JBQ	0.0240	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0494	JB	0.0214	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0390	JQ	0.0250	MDL	5.38	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory:** LL

EDD Filename: DX038_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-087-SA5B-SB-3.0-4.0 ***Collected:*** 1/11/2011 9:08:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,6,7,8-HXCDF	0.0478	JB	0.0168	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0358	JB	0.0185	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0396	JQ	0.0186	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0917	JBQ	0.0173	MDL	5.38	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0969	J	0.0178	MDL	5.38	PQL	ng/Kg	J	Z
OCDD	1.10	JB	0.0340	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.332	JBQ	0.0538	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-088-SA5B-SB-3.0-4.0 ***Collected:*** 1/11/2011 10:28:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.16	JB	0.0509	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.354	JB	0.0606	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.268	J	0.0666	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.556	JB	0.0491	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.41	J	0.0658	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.391	JB	0.0431	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.14	J	0.0629	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.210	JBQ	0.0460	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.222	JQ	0.0538	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.577	J	0.0377	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.347	JBQ	0.0417	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.470	J	0.0363	MDL	5.58	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0924	J	0.0840	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	6.13	JB	0.0662	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-089-SA5B-SB-4.0-5.0 ***Collected:*** 1/11/2011 2:04:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.309	JB	0.0500	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.319	JBQ	0.0244	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0446	JB	0.0309	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0719	JB	0.0239	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0520	JBQ	0.0202	MDL	5.75	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0456	JQ	0.0278	MDL	5.75	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0434	JB	0.0222	MDL	5.75	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory:** LL

EDD Filename: DX038_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-089-SA5B-SB-4.0-5.0 ***Collected:*** 1/11/2011 2:04:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.0928	JBQ	0.0198	MDL	5.75	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0793	JQ	0.0209	MDL	5.75	PQL	ng/Kg	J	Z
OCDD	1.40	JB	0.0608	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.349	JB	0.0610	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-090-SA5B-SB-2.5-3.5 ***Collected:*** 1/11/2011 1:05:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.93	JB	0.0475	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,6,7,8-HPCDF	0.472	JBQ	0.0199	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0474	JBQ	0.0283	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0304	JQ	0.0275	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0846	JB	0.0232	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.102	J	0.0285	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0780	JBQ	0.0187	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0954	J	0.0266	MDL	5.46	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0690	JB	0.0217	MDL	5.46	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0678	J	0.0178	MDL	5.46	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.107	JB	0.0185	MDL	5.46	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0743	JQ	0.0168	MDL	5.46	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0349	JQ	0.0349	MDL	1.09	PQL	ng/Kg	J	Z
OCDF	1.04	JB	0.0552	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-091-SA5B-SB-4.0-5.0 ***Collected:*** 1/11/2011 3:15:00 ***Analysis Type:*** RES ***Dilution:*** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.288	JB	0.0444	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.364	JB	0.0212	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0822	JBQ	0.0305	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0847	JBQ	0.0267	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0714	JQ	0.0337	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0847	JBQ	0.0233	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0444	JBQ	0.0270	MDL	5.69	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.110	JQ	0.0392	MDL	5.69	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0981	JQ	0.0230	MDL	5.69	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.104	JBQ	0.0246	MDL	5.69	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory:** LL

EDD Filename: DX038_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-091-SA5B-SB-4.0-5.0 **Collected:** 1/11/2011 3:15:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,7,8-PECDF	0.126	J	0.0224	MDL	5.69	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0666	JQ	0.0412	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0410	JQ	0.0395	MDL	1.14	PQL	ng/Kg	J	Z
OCDD	0.882	JB	0.0499	MDL	11.4	PQL	ng/Kg	U	B
OCDF	0.283	JB	0.0630	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-093-SA5B-SB-3.0-4.0 **Collected:** 1/11/2011 3:26:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.174	JB	0.0327	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.123	JBQ	0.0137	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0260	JBQ	0.0192	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0298	JBQ	0.0154	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0422	JQ	0.0265	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0271	JBQ	0.0136	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0709	J	0.0247	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0303	JBQ	0.0155	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0169	JQ	0.0144	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0414	JBQ	0.0143	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0536	JQ	0.0147	MDL	5.49	PQL	ng/Kg	J	Z
OCDD	0.774	JB	0.0393	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.110	JB	0.0465	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-094-SA5B-SB-4.0-5.0 **Collected:** 1/11/2011 4:28:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.207	JB	0.0368	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.112	JB	0.0145	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0255	JB	0.0206	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0411	JBQ	0.0155	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0197	JBQ	0.0134	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0340	JQ	0.0246	MDL	5.77	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0228	JBQ	0.0157	MDL	5.77	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0332	JQ	0.0309	MDL	5.77	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0346	JBQ	0.0147	MDL	5.77	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0469	J	0.0185	MDL	5.77	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory:** LL

EDD Filename: DX038_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-094-SA5B-SB-4.0-5.0 *Collected:* 1/11/2011 4:28:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDD	0.897	JBQ	0.0397	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.189	JB	0.0521	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-099-SA5B-SB-4.0-5.0 *Collected:* 1/11/2011 10:26:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.253	JB	0.0465	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.284	JBQ	0.0257	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0511	JBQ	0.0344	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0828	JB	0.0310	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0563	JBQ	0.0244	MDL	5.73	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0233	JQ	0.0228	MDL	5.73	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0541	JBQ	0.0234	MDL	5.73	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0737	JQ	0.0233	MDL	5.73	PQL	ng/Kg	J	Z
OCDD	1.35	JB	0.0450	MDL	11.5	PQL	ng/Kg	U	B
OCDF	0.266	JBQ	0.0719	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-100-SA5B-SB-4.0-5.0 *Collected:* 1/11/2011 9:22:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.06	JB	0.0568	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.382	JB	0.0203	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0597	JBQ	0.0261	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0561	JBQ	0.0288	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.103	J	0.0349	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0717	JBQ	0.0227	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0675	J	0.0337	MDL	5.48	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0342	JBQ	0.0252	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0295	JQ	0.0190	MDL	5.48	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0839	JBQ	0.0218	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0513	JQ	0.0185	MDL	5.48	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0367	JQ	0.0350	MDL	1.10	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0334	JQ	0.0329	MDL	1.10	PQL	ng/Kg	J	Z
OCDD	6.10	JB	0.0276	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.316	JB	0.0559	MDL	11.0	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory:** LL

EDD Filename: DX038_v1 **eQAPP Name:** CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-119-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 8:53:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.214	JBQ	0.0410	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.126	JB	0.0125	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0376	JBQ	0.0186	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0347	JQ	0.0261	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0324	JBQ	0.0164	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0680	JQ	0.0273	MDL	5.63	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0460	JBQ	0.0186	MDL	5.63	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0519	JQ	0.0197	MDL	5.63	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0483	JB	0.0179	MDL	5.63	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0930	JQ	0.0186	MDL	5.63	PQL	ng/Kg	J	Z
OCDD	0.808	JB	0.0343	MDL	11.3	PQL	ng/Kg	U	B
OCDF	0.238	JBQ	0.0453	MDL	11.3	PQL	ng/Kg	U	B

Sample ID: SL-120-SA5B-SB-3.0-4.0 *Collected:* 1/13/2011 11:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.295	JB	0.0420	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.122	JBQ	0.0150	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0263	JBQ	0.0212	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0421	JQ	0.0338	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.0429	JBQ	0.0184	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0544	JQ	0.0366	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0319	JBQ	0.0161	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0957	JQ	0.0348	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0354	JB	0.0188	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0551	JQ	0.0442	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.0322	JQ	0.0195	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0440	JB	0.0173	MDL	5.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0688	JQ	0.0200	MDL	5.49	PQL	ng/Kg	J	Z
OCDD	0.757	JB	0.0338	MDL	11.0	PQL	ng/Kg	U	B
OCDF	0.201	JB	0.0532	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-121-SA5B-SB-4.0-5.0 *Collected:* 1/13/2011 10:22:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.218	JBQ	0.0304	MDL	5.41	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX038 Laboratory: LL

EDD Filename: DX038_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-121-SA5B-SB-4.0-5.0 **Collected:** 1/13/2011 10:22:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.106	JBQ	0.0111	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0261	JBQ	0.0162	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0285	JB	0.0137	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0269	JQ	0.0215	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0201	JBQ	0.0123	MDL	5.41	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.142	J	0.0211	MDL	5.41	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.133	JBQ	0.0137	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0357	JB	0.0125	MDL	5.41	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0329	JQ	0.0148	MDL	5.41	PQL	ng/Kg	J	Z
OCDD	1.12	JB	0.0325	MDL	10.8	PQL	ng/Kg	U	B
OCDF	0.131	JBQ	0.0402	MDL	10.8	PQL	ng/Kg	U	B

Sample ID: SL-121-SA5B-SB-9.0-10.0 **Collected:** 1/13/2011 10:27:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.369	JBQ	0.0639	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.124	JB	0.0195	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0386	JBQ	0.0270	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0730	JQ	0.0494	MDL	6.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.0525	JB	0.0204	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0733	JQ	0.0473	MDL	6.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.0390	JBQ	0.0239	MDL	6.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0708	JQ	0.0500	MDL	6.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0354	JBQ	0.0210	MDL	6.49	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0657	JQ	0.0270	MDL	6.49	PQL	ng/Kg	J	Z
OCDD	0.943	JB	0.0394	MDL	13.0	PQL	ng/Kg	U	B
OCDF	0.158	JB	0.0629	MDL	13.0	PQL	ng/Kg	U	B

Sample ID: SL-122-SA5B-SB-2.0-3.0 **Collected:** 1/13/2011 1:39:00 **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.411	JBQ	0.0571	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.124	JB	0.0138	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0358	JB	0.0212	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0370	JBQ	0.0226	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.466	JQ	0.0468	MDL	5.79	PQL	ng/Kg	J	Z

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: **SVOA**

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

Sample ID: **SL-122-SA5B-SB-2.0-3.0** ***Collected:*** **1/13/2011 1:39:00** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,2,3,6,7,8-HXCDF	0.121	JBQ	0.0196	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.560	JQ	0.0446	MDL	5.79	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.105	JB	0.0238	MDL	5.79	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0513	JQ	0.0388	MDL	5.79	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.0221	JBQ	0.0202	MDL	5.79	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0554	JQ	0.0195	MDL	5.79	PQL	ng/Kg	J	Z
OCDD	4.24	JB	0.0490	MDL	11.6	PQL	ng/Kg	J	Z
OCDF	0.418	JB	0.0530	MDL	11.6	PQL	ng/Kg	U	B

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

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

Data Qualifier Summary

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

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

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control
Outlier Reports

DX038

Method Blank Outlier Report

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB372156	2/2/2011 9:56:00 PM	1,2,3,4,6,7,8-HPCDD	1.97 pg/L	EB20-SA5B-011311
		1,2,3,4,6,7,8-HPCDF	3.23 pg/L	EB21-SA5B-011311
		1,2,3,4,7,8,9-HPCDF	0.279 pg/L	
		1,2,3,4,7,8-HxCDD	0.161 pg/L	
		1,2,3,4,7,8-HXCDF	0.784 pg/L	
		1,2,3,6,7,8-HXCDD	0.155 pg/L	
		1,2,3,6,7,8-HXCDF	0.463 pg/L	
		1,2,3,7,8,9-HXCDF	0.178 pg/L	
		1,2,3,7,8-PECDD	0.265 pg/L	
		1,2,3,7,8-PECDF	0.284 pg/L	
		2,3,4,6,7,8-HXCDF	0.865 pg/L	
		2,3,4,7,8-PECDF	0.530 pg/L	
		2,3,7,8-TCDF	0.291 pg/L	
		OCDD	4.75 pg/L	
		OCDF	2.06 pg/L	

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB20-SA5B-011311(RES)	1,2,3,4,6,7,8-HPCDD	2.25 pg/L	2.25U pg/L
EB20-SA5B-011311(RES)	1,2,3,4,6,7,8-HPCDF	3.35 pg/L	3.35U pg/L
EB20-SA5B-011311(RES)	1,2,3,4,7,8,9-HPCDF	0.385 pg/L	0.385U pg/L
EB20-SA5B-011311(RES)	1,2,3,4,7,8-HxCDD	0.167 pg/L	0.167U pg/L
EB20-SA5B-011311(RES)	1,2,3,4,7,8-HXCDF	0.640 pg/L	0.640U pg/L
EB20-SA5B-011311(RES)	1,2,3,6,7,8-HXCDD	0.509 pg/L	0.509U pg/L
EB20-SA5B-011311(RES)	1,2,3,6,7,8-HXCDF	0.378 pg/L	0.378U pg/L
EB20-SA5B-011311(RES)	1,2,3,7,8-PECDF	0.132 pg/L	0.132U pg/L
EB20-SA5B-011311(RES)	2,3,4,6,7,8-HXCDF	0.725 pg/L	0.725U pg/L
EB20-SA5B-011311(RES)	2,3,4,7,8-PECDF	0.481 pg/L	0.481U pg/L
EB20-SA5B-011311(RES)	OCDD	5.27 pg/L	5.27U pg/L
EB20-SA5B-011311(RES)	OCDF	2.41 pg/L	2.41U pg/L
EB21-SA5B-011311(RES)	1,2,3,4,6,7,8-HPCDD	1.75 pg/L	1.75U pg/L
EB21-SA5B-011311(RES)	1,2,3,4,6,7,8-HPCDF	3.69 pg/L	3.69U pg/L
EB21-SA5B-011311(RES)	1,2,3,4,7,8,9-HPCDF	0.282 pg/L	0.282U pg/L
EB21-SA5B-011311(RES)	1,2,3,4,7,8-HXCDF	0.477 pg/L	0.477U pg/L
EB21-SA5B-011311(RES)	1,2,3,6,7,8-HXCDF	0.581 pg/L	0.581U pg/L
EB21-SA5B-011311(RES)	1,2,3,7,8,9-HXCDF	0.313 pg/L	0.313U pg/L
EB21-SA5B-011311(RES)	1,2,3,7,8-PECDF	0.173 pg/L	0.173U pg/L
EB21-SA5B-011311(RES)	2,3,4,6,7,8-HXCDF	0.656 pg/L	0.656U pg/L
EB21-SA5B-011311(RES)	2,3,4,7,8-PECDF	0.660 pg/L	0.660U pg/L
EB21-SA5B-011311(RES)	OCDD	4.78 pg/L	4.78U pg/L
EB21-SA5B-011311(RES)	OCDF	2.42 pg/L	2.42U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLANKAB372247	2/1/2011 10:47:00 PM	1,2,3,4,6,7,8-HPCDD	0.231 ng/Kg	SED-009-SIV-SD-0.0-0.5
		1,2,3,4,6,7,8-HPCDF	0.285 ng/Kg	SED-028-SIV-SD-0.0-0.5
		1,2,3,4,7,8,9-HPCDF	0.0343 ng/Kg	SL-085-SA5B-SB-3.0-4.0
		1,2,3,4,7,8-HXCDF	0.0920 ng/Kg	SL-086-SA5B-SB-4.0-5.0
		1,2,3,6,7,8-HXCDF	0.0350 ng/Kg	SL-087-SA5B-SB-3.0-4.0
		1,2,3,7,8,9-HXCDF	0.0311 ng/Kg	SL-088-SA5B-SB-3.0-4.0
		2,3,4,6,7,8-HXCDF	0.0717 ng/Kg	SL-089-SA5B-SB-4.0-5.0
		OCDD	0.604 ng/Kg	SL-090-SA5B-SB-2.5-3.5
		OCDF	0.323 ng/Kg	SL-091-SA5B-SB-4.0-5.0
				SL-093-SA5B-SB-3.0-4.0
				SL-094-SA5B-SB-4.0-5.0
				SL-099-SA5B-SB-4.0-5.0
				SL-100-SA5B-SB-4.0-5.0
				SL-119-SA5B-SB-3.0-4.0
				SL-120-SA5B-SB-3.0-4.0
				SL-121-SA5B-SB-4.0-5.0
				SL-121-SA5B-SB-9.0-10.0
				SL-122-SA5B-SB-2.0-3.0

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

Sample ID	Analyte	Reported Result	Modified Final Result
SED-009-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.158 ng/Kg	0.158U ng/Kg
SED-009-SIV-SD-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.0676 ng/Kg	0.0676U ng/Kg
SED-009-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.275 ng/Kg	0.275U ng/Kg
SED-028-SIV-SD-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.663 ng/Kg	0.663U ng/Kg
SED-028-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0991 ng/Kg	0.0991U ng/Kg
SED-028-SIV-SD-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.163 ng/Kg	0.163U ng/Kg
SED-028-SIV-SD-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.0995 ng/Kg	0.0995U ng/Kg
SED-028-SIV-SD-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.137 ng/Kg	0.137U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.299 ng/Kg	0.299U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.337 ng/Kg	0.337U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.127 ng/Kg	0.127U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0814 ng/Kg	0.0814U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0607 ng/Kg	0.0607U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.125 ng/Kg	0.125U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	OCDD	1.00 ng/Kg	1.00U ng/Kg
SL-085-SA5B-SB-3.0-4.0(RES)	OCDF	0.383 ng/Kg	0.383U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.189 ng/Kg	0.189U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.319 ng/Kg	0.319U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0381 ng/Kg	0.0381U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0638 ng/Kg	0.0638U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0427 ng/Kg	0.0427U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0245 ng/Kg	0.0245U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0787 ng/Kg	0.0787U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	OCDD	0.706 ng/Kg	0.706U ng/Kg
SL-086-SA5B-SB-4.0-5.0(RES)	OCDF	0.288 ng/Kg	0.288U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.335 ng/Kg	0.335U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.383 ng/Kg	0.383U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0389 ng/Kg	0.0389U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX038 **Laboratory:** LL

EDD Filename: DX038_v1 **eQAPP Name:** CDM_SSFL_110509

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-087-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0494 ng/Kg	0.0494U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0478 ng/Kg	0.0478U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0358 ng/Kg	0.0358U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0917 ng/Kg	0.0917U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	OCDD	1.10 ng/Kg	1.10U ng/Kg
SL-087-SA5B-SB-3.0-4.0(RES)	OCDF	0.332 ng/Kg	0.332U ng/Kg
SL-088-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.347 ng/Kg	0.347U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.309 ng/Kg	0.309U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.319 ng/Kg	0.319U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0446 ng/Kg	0.0446U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0719 ng/Kg	0.0719U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0520 ng/Kg	0.0520U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0434 ng/Kg	0.0434U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0928 ng/Kg	0.0928U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	OCDD	1.40 ng/Kg	1.40U ng/Kg
SL-089-SA5B-SB-4.0-5.0(RES)	OCDF	0.349 ng/Kg	0.349U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	1,2,3,4,6,7,8-HPCDF	0.472 ng/Kg	0.472U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8,9-HPCDF	0.0474 ng/Kg	0.0474U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	1,2,3,4,7,8-HXCDF	0.0846 ng/Kg	0.0846U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	1,2,3,6,7,8-HXCDF	0.0780 ng/Kg	0.0780U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	1,2,3,7,8,9-HXCDF	0.0690 ng/Kg	0.0690U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	2,3,4,6,7,8-HXCDF	0.107 ng/Kg	0.107U ng/Kg
SL-090-SA5B-SB-2.5-3.5(RES)	OCDF	1.04 ng/Kg	1.04U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.288 ng/Kg	0.288U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.364 ng/Kg	0.364U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0822 ng/Kg	0.0822U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0847 ng/Kg	0.0847U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0847 ng/Kg	0.0847U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0444 ng/Kg	0.0444U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.104 ng/Kg	0.104U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	OCDD	0.882 ng/Kg	0.882U ng/Kg
SL-091-SA5B-SB-4.0-5.0(RES)	OCDF	0.283 ng/Kg	0.283U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.174 ng/Kg	0.174U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.123 ng/Kg	0.123U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0260 ng/Kg	0.0260U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0298 ng/Kg	0.0298U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0271 ng/Kg	0.0271U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0303 ng/Kg	0.0303U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0414 ng/Kg	0.0414U ng/Kg
SL-093-SA5B-SB-3.0-4.0(RES)	OCDD	0.774 ng/Kg	0.774U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-093-SA5B-SB-3.0-4.0(RES)	OCDF	0.110 ng/Kg	0.110U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.207 ng/Kg	0.207U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.112 ng/Kg	0.112U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0255 ng/Kg	0.0255U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0411 ng/Kg	0.0411U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0197 ng/Kg	0.0197U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0228 ng/Kg	0.0228U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0346 ng/Kg	0.0346U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	OCDD	0.897 ng/Kg	0.897U ng/Kg
SL-094-SA5B-SB-4.0-5.0(RES)	OCDF	0.189 ng/Kg	0.189U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.253 ng/Kg	0.253U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.284 ng/Kg	0.284U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0511 ng/Kg	0.0511U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0828 ng/Kg	0.0828U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0563 ng/Kg	0.0563U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0541 ng/Kg	0.0541U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	OCDD	1.35 ng/Kg	1.35U ng/Kg
SL-099-SA5B-SB-4.0-5.0(RES)	OCDF	0.266 ng/Kg	0.266U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.06 ng/Kg	1.06U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.382 ng/Kg	0.382U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0597 ng/Kg	0.0597U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0561 ng/Kg	0.0561U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0717 ng/Kg	0.0717U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0342 ng/Kg	0.0342U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0839 ng/Kg	0.0839U ng/Kg
SL-100-SA5B-SB-4.0-5.0(RES)	OCDF	0.316 ng/Kg	0.316U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.214 ng/Kg	0.214U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.126 ng/Kg	0.126U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0376 ng/Kg	0.0376U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0324 ng/Kg	0.0324U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0460 ng/Kg	0.0460U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0483 ng/Kg	0.0483U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	OCDD	0.808 ng/Kg	0.808U ng/Kg
SL-119-SA5B-SB-3.0-4.0(RES)	OCDF	0.238 ng/Kg	0.238U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDD	0.295 ng/Kg	0.295U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,4,6,7,8-HPCDF	0.122 ng/Kg	0.122U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0263 ng/Kg	0.0263U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,4,7,8-HXCDF	0.0429 ng/Kg	0.0429U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,6,7,8-HXCDF	0.0319 ng/Kg	0.0319U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	1,2,3,7,8,9-HXCDF	0.0354 ng/Kg	0.0354U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-120-SA5B-SB-3.0-4.0(RES)	2,3,4,6,7,8-HXCDF	0.0440 ng/Kg	0.0440U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	OCDD	0.757 ng/Kg	0.757U ng/Kg
SL-120-SA5B-SB-3.0-4.0(RES)	OCDF	0.201 ng/Kg	0.201U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.218 ng/Kg	0.218U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.106 ng/Kg	0.106U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0261 ng/Kg	0.0261U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0285 ng/Kg	0.0285U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0201 ng/Kg	0.0201U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.133 ng/Kg	0.133U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0357 ng/Kg	0.0357U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	OCDD	1.12 ng/Kg	1.12U ng/Kg
SL-121-SA5B-SB-4.0-5.0(RES)	OCDF	0.131 ng/Kg	0.131U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.369 ng/Kg	0.369U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.124 ng/Kg	0.124U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0386 ng/Kg	0.0386U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0525 ng/Kg	0.0525U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0390 ng/Kg	0.0390U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0354 ng/Kg	0.0354U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	OCDD	0.943 ng/Kg	0.943U ng/Kg
SL-121-SA5B-SB-9.0-10.0(RES)	OCDF	0.158 ng/Kg	0.158U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDD	0.411 ng/Kg	0.411U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,4,6,7,8-HPCDF	0.124 ng/Kg	0.124U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0358 ng/Kg	0.0358U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,4,7,8-HXCDF	0.0370 ng/Kg	0.0370U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,6,7,8-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	1,2,3,7,8,9-HXCDF	0.105 ng/Kg	0.105U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	2,3,4,6,7,8-HXCDF	0.0221 ng/Kg	0.0221U ng/Kg
SL-122-SA5B-SB-2.0-3.0(RES)	OCDF	0.418 ng/Kg	0.418U ng/Kg

Reporting Limit Outliers

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB20-SA5B-011311	1,2,3,4,6,7,8-HPCDD	JB	2.25	10.9	PQL	pg/L	
	1,2,3,4,6,7,8-HPCDF	JB	3.35	10.9	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.385	10.9	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JBQ	0.167	10.9	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.640	10.9	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JBQ	0.509	10.9	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.378	10.9	PQL	pg/L	J (all detects)
	1,2,3,7,8,9-HXCDD	JQ	0.189	10.9	PQL	pg/L	
	1,2,3,7,8-PECDF	JBQ	0.132	10.9	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	0.725	10.9	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.481	10.9	PQL	pg/L	
	OCDD	JB	5.27	21.7	PQL	pg/L	
	OCDF	JB	2.41	21.7	PQL	pg/L	
EB21-SA5B-011311	1,2,3,4,6,7,8-HPCDD	JBQ	1.75	10.2	PQL	pg/L	
	1,2,3,4,6,7,8-HPCDF	JBQ	3.69	10.2	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.282	10.2	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JBQ	0.477	10.2	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	0.581	10.2	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JQ	0.360	10.2	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	0.313	10.2	PQL	pg/L	J (all detects)
	1,2,3,7,8-PECDF	JBQ	0.173	10.2	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JBQ	0.656	10.2	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	0.660	10.2	PQL	pg/L	
	OCDD	JB	4.78	20.3	PQL	pg/L	
	OCDF	JBQ	2.42	20.3	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-009-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.52	6.54	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.158	6.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.183	6.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.531	6.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.490	6.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.282	6.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.354	6.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0676	6.54	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JQ	0.245	6.54	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.618	6.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.275	6.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.956	6.54	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.338	1.31	PQL	ng/Kg	
	OCDF	JB	2.84	13.1	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SED-028-SIV-SD-0.0-0.5	1,2,3,4,6,7,8-HPCDD	JB	2.91	7.08	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.663	7.08	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0991	7.08	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.123	7.08	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.163	7.08	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.226	7.08	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0995	7.08	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDD	J	0.156	7.08	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.206	7.08	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.137	7.08	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.266	7.08	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0948	1.42	PQL	ng/Kg	
	OCDF	JB	1.72	14.2	PQL	ng/Kg	
SL-085-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.299	5.42	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.337	5.42	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.127	5.42	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0421	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0511	5.42	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0814	5.42	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0533	5.42	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.0607	5.42	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.125	5.42	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0604	5.42	PQL	ng/Kg	
	OCDD	JB	1.00	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.383	10.8	PQL	ng/Kg	
SL-086-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.189	5.61	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.319	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0381	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0638	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0427	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0263	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0245	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JQ	0.0420	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0787	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0742	5.61	PQL	ng/Kg	
	OCDD	JB	0.706	11.2	PQL	ng/Kg	
	OCDF	JBQ	0.288	11.2	PQL	ng/Kg	
SL-087-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.335	5.38	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.383	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0389	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0494	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0390	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0478	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0358	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JQ	0.0396	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0917	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.0969	5.38	PQL	ng/Kg	
	OCDD	JB	1.10	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.332	10.8	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-088-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDF	JB	3.16	5.58	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.354	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	J	0.268	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.556	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	2.41	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.391	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	1.14	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.210	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JQ	0.222	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.577	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.347	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.470	5.58	PQL	ng/Kg	
	2,3,7,8-TCDF	J	0.0924	1.12	PQL	ng/Kg	
	OCDF	JB	6.13	11.2	PQL	ng/Kg	
SL-089-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.309	5.75	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.319	5.75	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0446	5.75	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0719	5.75	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0520	5.75	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0456	5.75	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.0434	5.75	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0928	5.75	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0793	5.75	PQL	ng/Kg	
	OCDD	JB	1.40	11.5	PQL	ng/Kg	
	OCDF	JB	0.349	11.5	PQL	ng/Kg	
SL-090-SA5B-SB-2.5-3.5	1,2,3,4,6,7,8-HPCDD	JB	1.93	5.46	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.472	5.46	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0474	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0304	5.46	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0846	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.102	5.46	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0780	5.46	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.0954	5.46	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.0690	5.46	PQL	ng/Kg	
	1,2,3,7,8-PECDF	J	0.0678	5.46	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.107	5.46	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0743	5.46	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0349	1.09	PQL	ng/Kg	
	OCDF	JB	1.04	10.9	PQL	ng/Kg	
SL-091-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.288	5.69	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.364	5.69	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0822	5.69	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0847	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0714	5.69	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0847	5.69	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0444	5.69	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.110	5.69	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JQ	0.0981	5.69	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.104	5.69	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.126	5.69	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0666	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0410	1.14	PQL	ng/Kg	
	OCDD	JB	0.882	11.4	PQL	ng/Kg	
	OCDF	JB	0.283	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-093-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.174	5.49	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.123	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0260	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0298	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0422	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0271	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.0709	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JBQ	0.0303	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0169	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0414	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0536	5.49	PQL	ng/Kg	
	OCDD	JB	0.774	11.0	PQL	ng/Kg	
	OCDF	JB	0.110	11.0	PQL	ng/Kg	
SL-094-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.207	5.77	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.112	5.77	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0255	5.77	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0411	5.77	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0197	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0340	5.77	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0228	5.77	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JQ	0.0332	5.77	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0346	5.77	PQL	ng/Kg	
	2,3,4,7,8-PECDF	J	0.0469	5.77	PQL	ng/Kg	
	OCDD	JBQ	0.897	11.5	PQL	ng/Kg	
	OCDF	JB	0.189	11.5	PQL	ng/Kg	
SL-099-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.253	5.73	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.284	5.73	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0511	5.73	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0828	5.73	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0563	5.73	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0233	5.73	PQL	ng/Kg	J (all detects)
	2,3,4,6,7,8-HXCDF	JBQ	0.0541	5.73	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0737	5.73	PQL	ng/Kg	
	OCDD	JB	1.35	11.5	PQL	ng/Kg	
	OCDF	JBQ	0.266	11.5	PQL	ng/Kg	
SL-100-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.06	5.48	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.382	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0597	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0561	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	J	0.103	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0717	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.0675	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0342	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JQ	0.0295	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0839	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0513	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0367	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JQ	0.0334	1.10	PQL	ng/Kg	
	OCDD	JB	6.10	11.0	PQL	ng/Kg	
	OCDF	JB	0.316	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX038 **Laboratory:** LL

EDD Filename: DX038_v1 **eQAPP Name:** CDM_SSFL_110509

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-119-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.214	5.63	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.126	5.63	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0376	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0347	5.63	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0324	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0680	5.63	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0460	5.63	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0519	5.63	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0483	5.63	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0930	5.63	PQL	ng/Kg	
	OCDD	JB	0.808	11.3	PQL	ng/Kg	
	OCDF	JBQ	0.238	11.3	PQL	ng/Kg	
SL-120-SA5B-SB-3.0-4.0	1,2,3,4,6,7,8-HPCDD	JB	0.295	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.122	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0263	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JQ	0.0421	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0429	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0544	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0319	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0957	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0354	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0551	5.49	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JQ	0.0322	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0440	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0688	5.49	PQL	ng/Kg	
	OCDD	JB	0.757	11.0	PQL	ng/Kg	
	OCDF	JB	0.201	11.0	PQL	ng/Kg	
SL-121-SA5B-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.218	5.41	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.106	5.41	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0261	5.41	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0285	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0269	5.41	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0201	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	J	0.142	5.41	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.133	5.41	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0357	5.41	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0329	5.41	PQL	ng/Kg	
	OCDD	JB	1.12	10.8	PQL	ng/Kg	
	OCDF	JBQ	0.131	10.8	PQL	ng/Kg	
SL-121-SA5B-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.369	6.49	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JB	0.124	6.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0386	6.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.0730	6.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0525	6.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.0733	6.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0390	6.49	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0708	6.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0354	6.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0657	6.49	PQL	ng/Kg	
	OCDD	JB	0.943	13.0	PQL	ng/Kg	
	OCDF	JB	0.158	13.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX038 **Laboratory: LL**

EDD Filename: DX038_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-122-SA5B-SB-2.0-3.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.411	5.79	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.124	5.79	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0358	5.79	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0370	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JQ	0.466	5.79	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.121	5.79	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JQ	0.560	5.79	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.105	5.79	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JQ	0.0513	5.79	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0221	5.79	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JQ	0.0554	5.79	PQL	ng/Kg	
	OCDD	JB	4.24	11.6	PQL	ng/Kg	
	OCDF	JB	0.418	11.6	PQL	ng/Kg	

SAMPLE DELIVERY GROUP

DX087

Attachment I

Sample ID Cross Reference and Data Review Level

Sample Cross Reference

Date Collected	Field Sample ID	Lab Sample ID	Sample Type	Prep Method	Analytical Method	Review Level
23-May-2011	SL-053-SA5DN-SS-0.0-0.5	6296094	N	METHOD	1613B	III
23-May-2011	SL-052-SA5DN-SS-0.0-0.5	6296093	N	METHOD	1613B	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5	6296089	N	METHOD	1613B	III
23-May-2011	SL-022-SA5DN-SS-0.0-0.5MS	6296090	MS	METHOD	1613B	III
23-May-2011	SL-084-SA5DN-SB-4.0-5.0	6296078	N	METHOD	1613B	III
23-May-2011	DUP05-SA5DN-QC-052311	6296095	FD	METHOD	1613B	III
23-May-2011	SL-023-SA5DN-SS-0.0-0.5	6296092	N	METHOD	1613B	III
23-May-2011	SL-089-SA5DN-SB-4.0-5.0	6296079	N	METHOD	1613B	III
23-May-2011	SL-019-SA5DN-SS-0.0-0.5	6296087	N	METHOD	1613B	III
23-May-2011	SL-021-SA5DN-SS-0.0-0.5	6296088	N	METHOD	1613B	III
23-May-2011	SL-016-SA5DN-SS-0.0-0.5	6296085	N	METHOD	1613B	III
23-May-2011	SL-015-SA5DN-SS-0.0-0.5	6296084	N	METHOD	1613B	III
23-May-2011	SL-017-SA5DN-SS-0.0-0.5	6296086	N	METHOD	1613B	III
23-May-2011	SL-081-SA5DN-SB-4.0-5.0	6296080	N	METHOD	1613B	III
23-May-2011	SL-081-SA5DN-SB-9.0-10.0	6296081	N	METHOD	1613B	III
23-May-2011	EB05-SA5DN-SS-052311	6296096	EB	METHOD	1613B	III
23-May-2011	SED-035-SIV-SD	6296097	N	METHOD	1613B	III
23-May-2011	SL-075-SA5DN-SB-4.0-5.0	6296082	N	METHOD	1613B	III
23-May-2011	SL-075-SA5DN-SB-9.0-10.0	6296083	N	METHOD	1613B	III

III = EPA Level 3 Data Review *N = Normal Sample* *TB = Trip Blank* *MS = Matrix Spike*
IV = EPA Level 4 Data Validation *FD = Field Duplicate* *FB = Field Blank* *MSD = Matrix Spike Duplicate*

Attachment II

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: PrepDX087_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: AQ**

Sample ID: EB05-SA5DN-SS-052311 *Collected:* 5/23/2011 2:05:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	6.16	JBQ	0.356	MDL	9.78	PQL	pg/L	U	B
1,2,3,4,6,7,8-HPCDF	4.83	JBQ	0.267	MDL	9.78	PQL	pg/L	U	B
1,2,3,4,7,8,9-HPCDF	3.65	JB	0.305	MDL	9.78	PQL	pg/L	U	B
1,2,3,4,7,8-HxCDD	2.29	JB	0.285	MDL	9.78	PQL	pg/L	U	B
1,2,3,4,7,8-HXCDF	1.93	JB	0.243	MDL	9.78	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDD	2.08	JB	0.299	MDL	9.78	PQL	pg/L	U	B
1,2,3,6,7,8-HXCDF	1.16	JBQ	0.236	MDL	9.78	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDD	3.86	JBQ	0.301	MDL	9.78	PQL	pg/L	U	B
1,2,3,7,8,9-HXCDF	1.79	JBQ	0.240	MDL	9.78	PQL	pg/L	U	B
1,2,3,7,8-PECDD	0.774	JB	0.377	MDL	9.78	PQL	pg/L	U	B
1,2,3,7,8-PECDF	1.55	JB	0.200	MDL	9.78	PQL	pg/L	U	B
2,3,4,6,7,8-HXCDF	3.36	JB	0.214	MDL	9.78	PQL	pg/L	U	B
2,3,4,7,8-PECDF	2.21	JBQ	0.185	MDL	9.78	PQL	pg/L	U	B
2,3,7,8-TCDD	1.19	JQ	0.341	MDL	1.96	PQL	pg/L	J	Z
2,3,7,8-TCDF	1.14	JBQ	0.281	MDL	1.96	PQL	pg/L	U	B
OCDD	15.0	JB	0.433	MDL	19.6	PQL	pg/L	U	B
OCDF	6.45	JBQ	0.454	MDL	19.6	PQL	pg/L	U	B

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.16	JB	0.0354	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.317	JBQ	0.0466	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.416	JB	0.0902	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.581	JB	0.0503	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.82	JB	0.0956	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.371	JB	0.0465	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.22	JBQ	0.0915	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.613	JBQ	0.0533	MDL	5.61	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.284	JBQ	0.0425	MDL	5.61	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.676	JB	0.0402	MDL	5.61	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX087 Laboratory: LL

EDD Filename: PrepDX087_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: DUP05-SA5DN-QC-052311 *Collected:* 5/23/2011 9:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.372	JB	0.0468	MDL	5.61	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.880	JB	0.0383	MDL	5.61	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0422	JQ	0.0212	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0788	U	0.0788	MDL	1.12	PQL	ng/Kg	UJ	FD

Sample ID: SED-035-SIV-SD *Collected:* 5/23/2011 3:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	0.823	JBQ	0.0590	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	0.914	JB	0.0955	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.682	JB	0.0481	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.43	JB	0.0994	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.515	JB	0.0471	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.88	JB	0.0956	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.343	JB	0.0484	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.611	JB	0.0615	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.513	JB	0.0252	MDL	5.67	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.687	JB	0.0433	MDL	5.67	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.671	JB	0.0244	MDL	5.67	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.146	J	0.0236	MDL	1.13	PQL	ng/Kg	J	Z

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	2.06	JB	0.0973	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	2.39	JB	0.104	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	2.12	JB	0.101	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.723	JB	0.0904	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	5.38	JB	0.102	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.659	JB	0.0804	MDL	5.54	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.760	JBQ	0.0496	MDL	5.54	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.823	JBQ	0.0435	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.799	JB	0.0713	MDL	5.54	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.717	JB	0.0422	MDL	5.54	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: PrepDX087_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: SL-015-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDD	0.109	J	0.0215	MDL	1.11	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.340	JB	0.0843	MDL	1.11	PQL	ng/Kg	J	Z
OCDD	13100	EB	0.317	MDL	11.1	PQL	ng/Kg	J	*XI

Sample ID: SL-016-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	4.92	JB	0.0432	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.508	JB	0.0552	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.518	JB	0.0675	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	2.51	JB	0.0728	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.791	JB	0.0746	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	1.28	JB	0.0685	MDL	5.38	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.442	JB	0.0784	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.249	JB	0.0519	MDL	5.38	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	4.39	JB	0.0886	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.465	JBQ	0.0713	MDL	5.38	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	1.18	JB	0.0823	MDL	5.38	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0564	JQ	0.0183	MDL	1.08	PQL	ng/Kg	J	Z

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.11	JB	0.0277	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.342	JB	0.0361	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.175	JB	0.0546	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.543	JB	0.0571	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.948	JB	0.0862	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDD	0.639	JB	0.0557	MDL	5.49	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.582	JB	0.0969	MDL	5.49	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.438	JBQ	0.0700	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.693	JB	0.0842	MDL	5.49	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	2.28	JB	0.0990	MDL	5.49	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0612	JQ	0.0199	MDL	1.10	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX087 Laboratory: LL

EDD Filename: PrepDX087_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-017-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 12:35:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
OCDF	4.42	JB	0.0381	MDL	11.0	PQL	ng/Kg	J	Z

Sample ID: SL-019-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	1.60	JB	0.0290	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.180	JBQ	0.0370	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.182	JBQ	0.0543	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.779	JB	0.0443	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	0.896	JB	0.0565	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.134	JB	0.0412	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.693	JB	0.0555	MDL	5.70	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.474	JB	0.0473	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.118	JBQ	0.0278	MDL	5.70	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.342	JB	0.0280	MDL	5.70	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.169	JBQ	0.0399	MDL	5.70	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.224	JB	0.0280	MDL	5.70	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0320	JQ	0.0173	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.141	JB	0.0524	MDL	1.14	PQL	ng/Kg	J	Z
OCDF	4.52	JB	0.0404	MDL	11.4	PQL	ng/Kg	J	Z

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8,9-HPCDF	1.56	JB	0.0871	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HxCDD	1.45	JB	0.0837	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.612	JB	0.0487	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.297	JB	0.0477	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	3.84	JB	0.0866	MDL	5.67	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.348	JB	0.0581	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.266	JBQ	0.0348	MDL	5.67	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.660	JB	0.0329	MDL	5.67	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.449	JB	0.0497	MDL	5.67	PQL	ng/Kg	J	Z
2,3,4,7,8-PECDF	0.241	JBQ	0.0311	MDL	5.67	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0317	JQ	0.0182	MDL	1.13	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX087 Laboratory: LL

EDD Filename: PrepDX087_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-021-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 11:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,7,8-TCDF	0.320	JB	0.108	MDL	1.13	PQL	ng/Kg	J	Z
OCDD	9760	EB	0.177	MDL	11.3	PQL	ng/Kg	J	*XI

Sample ID: SL-022-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	5.13	JB	0.0284	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.419	JB	0.0358	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.625	JB	0.0703	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.673	JB	0.0416	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.99	JB	0.0739	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.398	JB	0.0403	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.42	JB	0.0695	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.598	JB	0.0454	MDL	5.65	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.285	JBQ	0.0365	MDL	5.65	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDF	0.673	JB	0.0349	MDL	5.65	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.420	JB	0.0398	MDL	5.65	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.641	JB	0.0343	MDL	5.65	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.0446	JQ	0.0180	MDL	1.13	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.246	JB	0.0758	MDL	1.13	PQL	ng/Kg	J	Z, FD
OCDD	786	B	0.103	MDL	11.3	PQL	ng/Kg	J	Q, Q, Q

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	3.03	JB	0.0304	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.391	JB	0.0449	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.329	JB	0.0599	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.421	JB	0.0366	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	1.40	JB	0.0628	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.218	JB	0.0342	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.891	JB	0.0592	MDL	5.57	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.456	JB	0.0444	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.234	JBQ	0.0260	MDL	5.57	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.498	JB	0.0304	MDL	5.57	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: PrepDX087_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: SL-023-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 10:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,3,4,6,7,8-HXCDF	0.239	JB	0.0356	MDL	5.57	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.251	JB	0.0288	MDL	5.57	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0243	JQ	0.0169	MDL	1.11	PQL	ng/Kg	J	Z
OCDF	8.57	JB	0.0439	MDL	11.1	PQL	ng/Kg	J	Z

Sample ID: SL-052-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 9:00:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	0.773	JB	0.0267	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.129	JBQ	0.0355	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.153	JBQ	0.0449	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.366	JB	0.0297	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.481	JB	0.0474	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.146	JBQ	0.0277	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.555	JB	0.0445	MDL	5.76	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	0.552	JB	0.0290	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.205	JBQ	0.0260	MDL	5.76	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.215	JB	0.0158	MDL	5.76	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.161	JB	0.0243	MDL	5.76	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.185	JBQ	0.0153	MDL	5.76	PQL	ng/Kg	U	B
2,3,7,8-TCDF	0.122	JB	0.0261	MDL	1.15	PQL	ng/Kg	U	B
OCDF	1.47	JB	0.0553	MDL	11.5	PQL	ng/Kg	U	B

Sample ID: SL-053-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 8:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDF	2.38	JB	0.0282	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8,9-HPCDF	0.280	JB	0.0378	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.379	JB	0.0660	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,4,7,8-HXCDF	0.623	JB	0.0463	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDD	1.60	JB	0.0689	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,6,7,8-HXCDF	0.422	JB	0.0443	MDL	5.58	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	1.79	JB	0.0645	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8,9-HXCDF	1.63	JB	0.0512	MDL	5.58	PQL	ng/Kg	J	Z
1,2,3,7,8-PECDD	0.440	JB	0.0425	MDL	5.58	PQL	ng/Kg	J	Z

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX087 Laboratory: LL

EDD Filename: PrepDX087_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-053-SA5DN-SS-0.0-0.5 *Collected:* 5/23/2011 8:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8-PECDF	0.870	JB	0.0363	MDL	5.58	PQL	ng/Kg	J	Z
2,3,4,6,7,8-HXCDF	0.322	JB	0.0424	MDL	5.58	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.613	JBQ	0.0342	MDL	5.58	PQL	ng/Kg	J	Z
2,3,7,8-TCDD	0.130	JQ	0.0181	MDL	1.12	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.404	JB	0.0778	MDL	1.12	PQL	ng/Kg	J	Z
OCDF	5.12	JB	0.0491	MDL	11.2	PQL	ng/Kg	J	Z

Sample ID: SL-075-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 3:40:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.425	JBQ	0.0299	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.246	JBQ	0.0188	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0287	JB	0.0195	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0789	JB	0.0232	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0634	JBQ	0.0187	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0612	JB	0.0197	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0804	JBQ	0.0162	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0488	JB	0.0144	MDL	5.53	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0336	JBQ	0.0105	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0790	JB	0.0119	MDL	5.53	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0655	JBQ	0.00993	MDL	5.53	PQL	ng/Kg	U	B
OCDD	3.62	JB	0.0385	MDL	11.1	PQL	ng/Kg	U	B
OCDF	0.184	JB	0.0335	MDL	11.1	PQL	ng/Kg	U	B

Sample ID: SL-075-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 3:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.22	JBQ	0.0413	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.399	JB	0.0235	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0908	JBQ	0.0274	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.160	JB	0.0242	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.219	JB	0.0252	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.186	JBQ	0.0255	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.219	JB	0.0226	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.173	JBQ	0.0227	MDL	5.68	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: PrepDX087_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: SL-075-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 3:45:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,7,8,9-HXCDF	0.174	JBQ	0.0219	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.200	JB	0.0241	MDL	5.68	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.255	JBQ	0.0128	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.185	JBQ	0.0188	MDL	5.68	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.247	JBQ	0.0115	MDL	5.68	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0743	JQ	0.0207	MDL	1.14	PQL	ng/Kg	J	Z
2,3,7,8-TCDF	0.0745	JBQ	0.0183	MDL	1.14	PQL	ng/Kg	U	B
OCDF	0.545	JBQ	0.0399	MDL	11.4	PQL	ng/Kg	U	B

Sample ID: SL-081-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 1:10:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.678	JB	0.0383	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.211	JB	0.0143	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0778	JB	0.0180	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0225	JBQ	0.0209	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0476	JBQ	0.0161	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0756	JBQ	0.0219	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0376	JB	0.0154	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.134	JBQ	0.0206	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.121	JB	0.0166	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0630	JBQ	0.0209	MDL	5.51	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0541	JBQ	0.0122	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0856	JB	0.0141	MDL	5.51	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0941	JB	0.0114	MDL	5.51	PQL	ng/Kg	U	B
OCDD	5.37	JB	0.0434	MDL	11.0	PQL	ng/Kg	J	Z
OCDF	0.341	JBQ	0.0373	MDL	11.0	PQL	ng/Kg	U	B

Sample ID: SL-081-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 1:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.860	JB	0.0380	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.253	JB	0.0133	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0811	JBQ	0.0175	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0584	JBQ	0.0176	MDL	5.44	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: PrepDX087_v1 **eQAPP Name: CDM_SSFL_110509**

Method Category: SVOA

Method: 1613B **Matrix: SO**

Sample ID: SL-081-SA5DN-SB-9.0-10.0 *Collected:* 5/23/2011 1:15:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,7,8-HXCDF	0.0690	JB	0.0143	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0621	JBQ	0.0183	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0474	JBQ	0.0139	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0992	JB	0.0178	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0578	JBQ	0.0156	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0393	JBQ	0.0226	MDL	5.44	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0391	JBQ	0.0103	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0702	JB	0.0137	MDL	5.44	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0836	JBQ	0.00973	MDL	5.44	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0346	JQ	0.0205	MDL	1.09	PQL	ng/Kg	J	Z
OCDD	8.17	JB	0.0400	MDL	10.9	PQL	ng/Kg	J	Z
OCDF	0.330	JB	0.0341	MDL	10.9	PQL	ng/Kg	U	B

Sample ID: SL-084-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 9:30:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	1.10	JB	0.0381	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.293	JBQ	0.0178	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0709	JBQ	0.0235	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0588	JB	0.0196	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0686	JBQ	0.0175	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.102	JB	0.0198	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0586	JBQ	0.0163	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0783	JBQ	0.0191	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0885	JBQ	0.0152	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0421	JBQ	0.0200	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0433	JBQ	0.0101	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0973	JB	0.0131	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0847	JBQ	0.00940	MDL	5.48	PQL	ng/Kg	U	B
2,3,7,8-TCDD	0.0287	JQ	0.0197	MDL	1.10	PQL	ng/Kg	J	Z
OCDF	0.451	JB	0.0403	MDL	11.0	PQL	ng/Kg	U	B

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX087 Laboratory: LL

EDD Filename: PrepDX087_v1 eQAPP Name: CDM_SSFL_110509

Method Category: SVOA

Method: 1613B **Matrix:** SO

Sample ID: SL-089-SA5DN-SB-4.0-5.0 *Collected:* 5/23/2011 10:25:00 *Analysis Type:* RES *Dilution:* 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,3,4,6,7,8-HPCDD	0.786	JB	0.0366	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,6,7,8-HPCDF	0.221	JBQ	0.0132	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8,9-HPCDF	0.0785	JB	0.0171	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HxCDD	0.0244	JBQ	0.0187	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,4,7,8-HXCDF	0.0739	JBQ	0.0154	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDD	0.0757	JBQ	0.0197	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,6,7,8-HXCDF	0.0602	JBQ	0.0144	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDD	0.0955	JBQ	0.0178	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8,9-HXCDF	0.0669	JB	0.0168	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDD	0.0221	JBQ	0.0207	MDL	5.48	PQL	ng/Kg	U	B
1,2,3,7,8-PECDF	0.0481	JBQ	0.0121	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,6,7,8-HXCDF	0.0685	JBQ	0.0131	MDL	5.48	PQL	ng/Kg	U	B
2,3,4,7,8-PECDF	0.0880	JB	0.0111	MDL	5.48	PQL	ng/Kg	U	B
OCDF	0.330	JBQ	0.0343	MDL	11.0	PQL	ng/Kg	U	B

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: PrepDX087_v1 **eQAPP Name: CDM_SSFL_110509**

Reason Code Legend

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

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: PrepDX087_v1 **eQAPP Name: CDM_SSFL_110509**

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

* denotes a non-reportable result

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

Data Qualifier Summary

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: PrepDX087_v1 **eQAPP Name: CDM_SSFL_110509**

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

* denotes a non-reportable result

Enclosure I

EPA Level III ADR Outliers
(including Manual Review Outliers)

Quality Control
Outlier Reports

DX087

Method Blank Outlier Report

Lab Reporting Batch ID: DX087 | Laboratory: LL

EDD Filename: PrepDX087_v1 | eQAPP Name: CDM_SSFL_110509

Method: 1613B
Matrix: AQ

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1470B371534	6/1/2011 3:34:00 PM	1,2,3,4,6,7,8-HPCDD	5.92 pg/L	EB05-SA5DN-SS-052311
		1,2,3,4,6,7,8-HPCDF	4.23 pg/L	
		1,2,3,4,7,8,9-HPCDF	1.72 pg/L	
		1,2,3,4,7,8-HxCDD	1.05 pg/L	
		1,2,3,4,7,8-HXCDF	1.89 pg/L	
		1,2,3,6,7,8-HXCDD	1.65 pg/L	
		1,2,3,6,7,8-HXCDF	1.45 pg/L	
		1,2,3,7,8,9-HXCDD	1.92 pg/L	
		1,2,3,7,8,9-HXCDF	1.58 pg/L	
		1,2,3,7,8-PECDD	1.10 pg/L	
		1,2,3,7,8-PECDF	1.09 pg/L	
		2,3,4,6,7,8-HXCDF	1.60 pg/L	
		2,3,4,7,8-PECDF	1.91 pg/L	
		2,3,7,8-TCDF	0.454 pg/L	
		OCDD	18.2 pg/L	
		OCDF	6.41 pg/L	

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

Sample ID	Analyte	Reported Result	Modified Final Result
EB05-SA5DN-SS-052311(RES)	1,2,3,4,6,7,8-HPCDD	6.16 pg/L	6.16U pg/L
EB05-SA5DN-SS-052311(RES)	1,2,3,4,6,7,8-HPCDF	4.83 pg/L	4.83U pg/L
EB05-SA5DN-SS-052311(RES)	1,2,3,4,7,8,9-HPCDF	3.65 pg/L	3.65U pg/L
EB05-SA5DN-SS-052311(RES)	1,2,3,4,7,8-HxCDD	2.29 pg/L	2.29U pg/L
EB05-SA5DN-SS-052311(RES)	1,2,3,4,7,8-HXCDF	1.93 pg/L	1.93U pg/L
EB05-SA5DN-SS-052311(RES)	1,2,3,6,7,8-HXCDD	2.08 pg/L	2.08U pg/L
EB05-SA5DN-SS-052311(RES)	1,2,3,6,7,8-HXCDF	1.16 pg/L	1.16U pg/L
EB05-SA5DN-SS-052311(RES)	1,2,3,7,8,9-HXCDD	3.86 pg/L	3.86U pg/L
EB05-SA5DN-SS-052311(RES)	1,2,3,7,8,9-HXCDF	1.79 pg/L	1.79U pg/L
EB05-SA5DN-SS-052311(RES)	1,2,3,7,8-PECDD	0.774 pg/L	0.774U pg/L
EB05-SA5DN-SS-052311(RES)	1,2,3,7,8-PECDF	1.55 pg/L	1.55U pg/L
EB05-SA5DN-SS-052311(RES)	2,3,4,6,7,8-HXCDF	3.36 pg/L	3.36U pg/L
EB05-SA5DN-SS-052311(RES)	2,3,4,7,8-PECDF	2.21 pg/L	2.21U pg/L
EB05-SA5DN-SS-052311(RES)	2,3,7,8-TCDF	1.14 pg/L	1.14U pg/L
EB05-SA5DN-SS-052311(RES)	OCDD	15.0 pg/L	15.0U pg/L
EB05-SA5DN-SS-052311(RES)	OCDF	6.45 pg/L	6.45U pg/L

Method Blank Outlier Report

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: PrepDX087_v1 **eQAPP Name: CDM_SSFL_110509**

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

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
BLK1550B371348	6/7/2011 1:48:00 PM	1,2,3,4,6,7,8-HPCDD	0.294 ng/Kg	DUP05-SA5DN-QC-052311
		1,2,3,4,6,7,8-HPCDF	0.229 ng/Kg	SED-035-SIV-SD
		1,2,3,4,7,8,9-HPCDF	0.103 ng/Kg	SL-015-SA5DN-SS-0.0-0.5
		1,2,3,4,7,8-HxCDD	0.0444 ng/Kg	SL-016-SA5DN-SS-0.0-0.5
		1,2,3,4,7,8-HXCDF	0.0897 ng/Kg	SL-017-SA5DN-SS-0.0-0.5
		1,2,3,6,7,8-HXCDD	0.0613 ng/Kg	SL-019-SA5DN-SS-0.0-0.5
		1,2,3,6,7,8-HXCDF	0.0995 ng/Kg	SL-021-SA5DN-SS-0.0-0.5
		1,2,3,7,8,9-HXCDD	0.106 ng/Kg	SL-022-SA5DN-SS-0.0-0.5
		1,2,3,7,8,9-HXCDF	0.145 ng/Kg	SL-023-SA5DN-SS-0.0-0.5
		1,2,3,7,8-PECDD	0.0548 ng/Kg	SL-052-SA5DN-SS-0.0-0.5
		1,2,3,7,8-PECDF	0.0626 ng/Kg	SL-053-SA5DN-SS-0.0-0.5
		2,3,4,6,7,8-HXCDF	0.0869 ng/Kg	SL-075-SA5DN-SB-4.0-5.0
		2,3,4,7,8-PECDF	0.0908 ng/Kg	SL-075-SA5DN-SB-9.0-10.0
		2,3,7,8-TCDF	0.0258 ng/Kg	SL-081-SA5DN-SB-4.0-5.0
		OCDD	0.764 ng/Kg	SL-081-SA5DN-SB-9.0-10.0
		OCDF	0.318 ng/Kg	SL-084-SA5DN-SB-4.0-5.0
				SL-089-SA5DN-SB-4.0-5.0
BLK1550B371632	6/9/2011 4:32:00 PM	2,3,7,8-TCDF	0.0331 ng/Kg	DUP05-SA5DN-QC-052311
				SED-035-SIV-SD
				SL-015-SA5DN-SS-0.0-0.5
				SL-016-SA5DN-SS-0.0-0.5
				SL-017-SA5DN-SS-0.0-0.5
				SL-019-SA5DN-SS-0.0-0.5
				SL-021-SA5DN-SS-0.0-0.5
				SL-022-SA5DN-SS-0.0-0.5
				SL-023-SA5DN-SS-0.0-0.5
				SL-052-SA5DN-SS-0.0-0.5
				SL-053-SA5DN-SS-0.0-0.5
				SL-075-SA5DN-SB-4.0-5.0
				SL-075-SA5DN-SB-9.0-10.0
				SL-081-SA5DN-SB-4.0-5.0
				SL-081-SA5DN-SB-9.0-10.0
				SL-084-SA5DN-SB-4.0-5.0
				SL-089-SA5DN-SB-4.0-5.0

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

Sample ID	Analyte	Reported Result	Modified Final Result
DUP05-SA5DN-QC-052311(RES)	1,2,3,4,7,8,9-HPCDF	0.317 ng/Kg	0.317U ng/Kg
DUP05-SA5DN-QC-052311(RES)	1,2,3,6,7,8-HXCDF	0.371 ng/Kg	0.371U ng/Kg
DUP05-SA5DN-QC-052311(RES)	1,2,3,7,8,9-HXCDF	0.613 ng/Kg	0.613U ng/Kg
DUP05-SA5DN-QC-052311(RES)	2,3,4,6,7,8-HXCDF	0.372 ng/Kg	0.372U ng/Kg
SED-035-SIV-SD(RES)	1,2,3,7,8,9-HXCDF	0.343 ng/Kg	0.343U ng/Kg
SL-015-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.659 ng/Kg	0.659U ng/Kg
SL-016-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.508 ng/Kg	0.508U ng/Kg
SL-016-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.442 ng/Kg	0.442U ng/Kg
SL-016-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.249 ng/Kg	0.249U ng/Kg
SL-017-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.342 ng/Kg	0.342U ng/Kg
SL-017-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.175 ng/Kg	0.175U ng/Kg
SL-017-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.582 ng/Kg	0.582U ng/Kg
SL-019-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.180 ng/Kg	0.180U ng/Kg
SL-019-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.182 ng/Kg	0.182U ng/Kg
SL-019-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.134 ng/Kg	0.134U ng/Kg
SL-019-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.474 ng/Kg	0.474U ng/Kg
SL-019-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.118 ng/Kg	0.118U ng/Kg
SL-019-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.169 ng/Kg	0.169U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX087 **Laboratory:** LL

EDD Filename: PrepDX087_v1 **eQAPP Name:** CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-019-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.224 ng/Kg	0.224U ng/Kg
SL-021-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.297 ng/Kg	0.297U ng/Kg
SL-021-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.348 ng/Kg	0.348U ng/Kg
SL-021-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.266 ng/Kg	0.266U ng/Kg
SL-021-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.241 ng/Kg	0.241U ng/Kg
SL-022-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.419 ng/Kg	0.419U ng/Kg
SL-022-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.398 ng/Kg	0.398U ng/Kg
SL-022-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.598 ng/Kg	0.598U ng/Kg
SL-022-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.420 ng/Kg	0.420U ng/Kg
SL-023-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.391 ng/Kg	0.391U ng/Kg
SL-023-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.421 ng/Kg	0.421U ng/Kg
SL-023-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.218 ng/Kg	0.218U ng/Kg
SL-023-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.456 ng/Kg	0.456U ng/Kg
SL-023-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.234 ng/Kg	0.234U ng/Kg
SL-023-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.239 ng/Kg	0.239U ng/Kg
SL-023-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.251 ng/Kg	0.251U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,6,7,8-HPCDF	0.773 ng/Kg	0.773U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.129 ng/Kg	0.129U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HxCDD	0.153 ng/Kg	0.153U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8-HXCDF	0.366 ng/Kg	0.366U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.146 ng/Kg	0.146U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8,9-HXCDF	0.552 ng/Kg	0.552U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDD	0.205 ng/Kg	0.205U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	1,2,3,7,8-PECDF	0.215 ng/Kg	0.215U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.161 ng/Kg	0.161U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	2,3,4,7,8-PECDF	0.185 ng/Kg	0.185U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	2,3,7,8-TCDF	0.122 ng/Kg	0.122U ng/Kg
SL-052-SA5DN-SS-0.0-0.5(RES)	OCDF	1.47 ng/Kg	1.47U ng/Kg
SL-053-SA5DN-SS-0.0-0.5(RES)	1,2,3,4,7,8,9-HPCDF	0.280 ng/Kg	0.280U ng/Kg
SL-053-SA5DN-SS-0.0-0.5(RES)	1,2,3,6,7,8-HXCDF	0.422 ng/Kg	0.422U ng/Kg
SL-053-SA5DN-SS-0.0-0.5(RES)	2,3,4,6,7,8-HXCDF	0.322 ng/Kg	0.322U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.425 ng/Kg	0.425U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.246 ng/Kg	0.246U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0287 ng/Kg	0.0287U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0789 ng/Kg	0.0789U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0634 ng/Kg	0.0634U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0612 ng/Kg	0.0612U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0804 ng/Kg	0.0804U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0488 ng/Kg	0.0488U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0336 ng/Kg	0.0336U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX087 **Laboratory:** LL

EDD Filename: PrepDX087_v1 **eQAPP Name:** CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-075-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0790 ng/Kg	0.0790U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0655 ng/Kg	0.0655U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	OCDD	3.62 ng/Kg	3.62U ng/Kg
SL-075-SA5DN-SB-4.0-5.0(RES)	OCDF	0.184 ng/Kg	0.184U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	1.22 ng/Kg	1.22U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.399 ng/Kg	0.399U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0908 ng/Kg	0.0908U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.160 ng/Kg	0.160U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.219 ng/Kg	0.219U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.186 ng/Kg	0.186U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.219 ng/Kg	0.219U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.173 ng/Kg	0.173U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.174 ng/Kg	0.174U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.200 ng/Kg	0.200U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.255 ng/Kg	0.255U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.185 ng/Kg	0.185U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.247 ng/Kg	0.247U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	2,3,7,8-TCDF	0.0745 ng/Kg	0.0745U ng/Kg
SL-075-SA5DN-SB-9.0-10.0(RES)	OCDF	0.545 ng/Kg	0.545U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.678 ng/Kg	0.678U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.211 ng/Kg	0.211U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0778 ng/Kg	0.0778U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0225 ng/Kg	0.0225U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0476 ng/Kg	0.0476U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0756 ng/Kg	0.0756U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0376 ng/Kg	0.0376U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.134 ng/Kg	0.134U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.121 ng/Kg	0.121U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0630 ng/Kg	0.0630U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0541 ng/Kg	0.0541U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0856 ng/Kg	0.0856U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0941 ng/Kg	0.0941U ng/Kg
SL-081-SA5DN-SB-4.0-5.0(RES)	OCDF	0.341 ng/Kg	0.341U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDD	0.860 ng/Kg	0.860U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,6,7,8-HPCDF	0.253 ng/Kg	0.253U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0811 ng/Kg	0.0811U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HxCDD	0.0584 ng/Kg	0.0584U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	1,2,3,4,7,8-HXCDF	0.0690 ng/Kg	0.0690U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDD	0.0621 ng/Kg	0.0621U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	1,2,3,6,7,8-HXCDF	0.0474 ng/Kg	0.0474U ng/Kg

Method Blank Outlier Report

Lab Reporting Batch ID: DX087 **Laboratory:** LL

EDD Filename: PrepDX087_v1 **eQAPP Name:** CDM_SSFL_110509

Method: 1613B
Matrix: SO

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

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

Sample ID	Analyte	Reported Result	Modified Final Result
SL-081-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDD	0.0992 ng/Kg	0.0992U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8,9-HXCDF	0.0578 ng/Kg	0.0578U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDD	0.0393 ng/Kg	0.0393U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	1,2,3,7,8-PECDF	0.0391 ng/Kg	0.0391U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	2,3,4,6,7,8-HXCDF	0.0702 ng/Kg	0.0702U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	2,3,4,7,8-PECDF	0.0836 ng/Kg	0.0836U ng/Kg
SL-081-SA5DN-SB-9.0-10.0(RES)	OCDF	0.330 ng/Kg	0.330U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	1.10 ng/Kg	1.10U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.293 ng/Kg	0.293U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0709 ng/Kg	0.0709U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0588 ng/Kg	0.0588U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0686 ng/Kg	0.0686U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.102 ng/Kg	0.102U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0586 ng/Kg	0.0586U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0783 ng/Kg	0.0783U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0885 ng/Kg	0.0885U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0421 ng/Kg	0.0421U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0433 ng/Kg	0.0433U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0973 ng/Kg	0.0973U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0847 ng/Kg	0.0847U ng/Kg
SL-084-SA5DN-SB-4.0-5.0(RES)	OCDF	0.451 ng/Kg	0.451U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDD	0.786 ng/Kg	0.786U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,6,7,8-HPCDF	0.221 ng/Kg	0.221U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8,9-HPCDF	0.0785 ng/Kg	0.0785U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HxCDD	0.0244 ng/Kg	0.0244U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	1,2,3,4,7,8-HXCDF	0.0739 ng/Kg	0.0739U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDD	0.0757 ng/Kg	0.0757U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	1,2,3,6,7,8-HXCDF	0.0602 ng/Kg	0.0602U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDD	0.0955 ng/Kg	0.0955U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8,9-HXCDF	0.0669 ng/Kg	0.0669U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDD	0.0221 ng/Kg	0.0221U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	1,2,3,7,8-PECDF	0.0481 ng/Kg	0.0481U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	2,3,4,6,7,8-HXCDF	0.0685 ng/Kg	0.0685U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	2,3,4,7,8-PECDF	0.0880 ng/Kg	0.0880U ng/Kg
SL-089-SA5DN-SB-4.0-5.0(RES)	OCDF	0.330 ng/Kg	0.330U ng/Kg

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: DX087_v1 **eQAPP Name: CDM_SSFL_110509**

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

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
SL-022-SA5DN-SS-0.0-0.5MS SL-022-SA5DN-SS-0.0-0.5MSD (SL-022-SA5DN-SS-0.0-0.5)	OCDD	1	162	40.00-135.00	37 (20.00)	OCDD	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: DX087_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 160.3M
Matrix: SO

Analyte	Concentration (%)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
MOISTURE	12.9	13.1	2		No Qualifiers Applied

Method: 1613B
Matrix: SO

Analyte	Concentration (ng/Kg)		Sample RPD	eQAPP RPD	Flag
	SL-022-SA5DN-SS-0.0-0.5	DUP05-SA5DN-QC-052311			
1,2,3,4,6,7,8-HPCDD	81.1	73.8	9	50.00	
1,2,3,4,6,7,8-HPCDF	5.13	4.16	21	50.00	
1,2,3,4,7,8,9-HPCDF	0.419	0.317	28	50.00	
1,2,3,4,7,8-HxCDD	0.625	0.416	40	50.00	
1,2,3,4,7,8-HXCDF	0.673	0.581	15	50.00	
1,2,3,6,7,8-HXCDD	1.99	1.82	9	50.00	
1,2,3,6,7,8-HXCDF	0.398	0.371	7	50.00	
1,2,3,7,8,9-HXCDD	1.42	1.22	15	50.00	
1,2,3,7,8,9-HXCDF	0.598	0.613	2	50.00	No Qualifiers Applied
1,2,3,7,8-PECDD	0.285	0.284	0	50.00	
1,2,3,7,8-PECDF	0.673	0.676	0	50.00	
2,3,4,6,7,8-HXCDF	0.420	0.372	12	50.00	
2,3,4,7,8-PECDF	0.641	0.880	31	50.00	
2,3,7,8-TCDD	0.0446	0.0422	6	50.00	
OCDD	786	782	1	50.00	
OCDF	15.0	13.0	14	50.00	
2,3,7,8-TCDF	0.246	1.12 U	200	50.00	J(all detects) UJ(all non-detects)

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

Reporting Limit Outliers

Lab Reporting Batch ID: DX087 | Laboratory: LL

EDD Filename: DX087_v1 | eQAPP Name: CDM_SSFL_110509

Method: 1613B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB05-SA5DN-SS-052311	1,2,3,4,6,7,8-HPCDD	JBQ	6.16	9.78	PQL	pg/L	
	1,2,3,4,6,7,8-HPCDF	JBQ	4.83	9.78	PQL	pg/L	
	1,2,3,4,7,8,9-HPCDF	JB	3.65	9.78	PQL	pg/L	
	1,2,3,4,7,8-HxCDD	JB	2.29	9.78	PQL	pg/L	
	1,2,3,4,7,8-HXCDF	JB	1.93	9.78	PQL	pg/L	
	1,2,3,6,7,8-HXCDD	JB	2.08	9.78	PQL	pg/L	
	1,2,3,6,7,8-HXCDF	JBQ	1.16	9.78	PQL	pg/L	
	1,2,3,7,8,9-HXCDD	JBQ	3.86	9.78	PQL	pg/L	
	1,2,3,7,8,9-HXCDF	JBQ	1.79	9.78	PQL	pg/L	J (all detects)
	1,2,3,7,8-PECDD	JB	0.774	9.78	PQL	pg/L	
	1,2,3,7,8-PECDF	JB	1.55	9.78	PQL	pg/L	
	2,3,4,6,7,8-HXCDF	JB	3.36	9.78	PQL	pg/L	
	2,3,4,7,8-PECDF	JBQ	2.21	9.78	PQL	pg/L	
	2,3,7,8-TCDD	JQ	1.19	1.96	PQL	pg/L	
	2,3,7,8-TCDF	JBQ	1.14	1.96	PQL	pg/L	
	OCDD	JB	15.0	19.6	PQL	pg/L	
	OCDF	JBQ	6.45	19.6	PQL	pg/L	

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DUP05-SA5DN-QC-052311	1,2,3,4,6,7,8-HPCDF	JB	4.16	5.61	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.317	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.416	5.61	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.581	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.82	5.61	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.371	5.61	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	1.22	5.61	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JBQ	0.613	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.284	5.61	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.676	5.61	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.372	5.61	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.880	5.61	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0422	1.12	PQL	ng/Kg	
SED-035-SIV-SD	1,2,3,4,7,8,9-HPCDF	JBQ	0.823	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.914	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.682	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.43	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.515	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.88	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.343	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.611	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.513	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.687	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.671	5.67	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.146	1.13	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: DX087_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-015-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	2.06	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	2.39	5.54	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	2.12	5.54	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.723	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	5.38	5.54	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.659	5.54	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.760	5.54	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDF	JBQ	0.823	5.54	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.799	5.54	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.717	5.54	PQL	ng/Kg	
	2,3,7,8-TCDD	J	0.109	1.11	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.340	1.11	PQL	ng/Kg	
SL-016-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	4.92	5.38	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.508	5.38	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.518	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	2.51	5.38	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.791	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.28	5.38	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.442	5.38	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.249	5.38	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	4.39	5.38	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.465	5.38	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	1.18	5.38	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0564	1.08	PQL	ng/Kg	
SL-017-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.11	5.49	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.342	5.49	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.175	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.543	5.49	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.948	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.639	5.49	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.582	5.49	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.438	5.49	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.693	5.49	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	2.28	5.49	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0612	1.10	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.964	1.10	PQL	ng/Kg	
	OCDF	JB	4.42	11.0	PQL	ng/Kg	
SL-019-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	1.60	5.70	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.180	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.182	5.70	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.779	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.896	5.70	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.134	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.693	5.70	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.474	5.70	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.118	5.70	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.342	5.70	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.169	5.70	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.224	5.70	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0320	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.141	1.14	PQL	ng/Kg	
	OCDF	JB	4.52	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: DX087_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-021-SA5DN-SS-0.0-0.5	1,2,3,4,7,8,9-HPCDF	JB	1.56	5.67	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8-HxCDD	JB	1.45	5.67	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.612	5.67	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.297	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	3.84	5.67	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.348	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.266	5.67	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.660	5.67	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.449	5.67	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.241	5.67	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0317	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.320	1.13	PQL	ng/Kg	
SL-022-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	5.13	5.65	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.419	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.625	5.65	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.673	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.99	5.65	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.398	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	1.42	5.65	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.598	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.285	5.65	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.673	5.65	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.420	5.65	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.641	5.65	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0446	1.13	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.246	1.13	PQL	ng/Kg	
SL-023-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	3.03	5.57	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JB	0.391	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.329	5.57	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.421	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.40	5.57	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.218	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.891	5.57	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.456	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.234	5.57	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.498	5.57	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.239	5.57	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.251	5.57	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0243	1.11	PQL	ng/Kg	
	OCDF	JB	8.57	11.1	PQL	ng/Kg	
SL-052-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	0.773	5.76	PQL	ng/Kg	J (all detects)
	1,2,3,4,7,8,9-HPCDF	JBQ	0.129	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.153	5.76	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.366	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.481	5.76	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.146	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.555	5.76	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.552	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.205	5.76	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.215	5.76	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.161	5.76	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.185	5.76	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.122	1.15	PQL	ng/Kg	
	OCDF	JB	1.47	11.5	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: DX087_v1 **eQAPP Name: CDM_SSFL_110509**

Method: 1613B

Matrix: SO

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-053-SA5DN-SS-0.0-0.5	1,2,3,4,6,7,8-HPCDF	JB	2.38	5.58	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.280	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.379	5.58	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.623	5.58	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	1.60	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	1.79	5.58	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	1.63	5.58	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.440	5.58	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JB	0.870	5.58	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.322	5.58	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.613	5.58	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.130	1.12	PQL	ng/Kg	
	2,3,7,8-TCDF	JB	0.404	1.12	PQL	ng/Kg	
	OCDF	JB	5.12	11.2	PQL	ng/Kg	
SL-075-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JBQ	0.425	5.53	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.246	5.53	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0287	5.53	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0789	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0634	5.53	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0612	5.53	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0804	5.53	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.0488	5.53	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0336	5.53	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0790	5.53	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0655	5.53	PQL	ng/Kg	
	OCDD	JB	3.62	11.1	PQL	ng/Kg	
	OCDF	JB	0.184	11.1	PQL	ng/Kg	
SL-075-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JBQ	1.22	5.68	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.399	5.68	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0908	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.160	5.68	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.219	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.186	5.68	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.219	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.173	5.68	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.174	5.68	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JB	0.200	5.68	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.255	5.68	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.185	5.68	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.247	5.68	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0743	1.14	PQL	ng/Kg	
	2,3,7,8-TCDF	JBQ	0.0745	1.14	PQL	ng/Kg	
	OCDF	JBQ	0.545	11.4	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: DX087_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SL-081-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.678	5.51	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.211	5.51	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0778	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0225	5.51	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0476	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0756	5.51	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JB	0.0376	5.51	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.134	5.51	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JB	0.121	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0630	5.51	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0541	5.51	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0856	5.51	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0941	5.51	PQL	ng/Kg	
	OCDD	JB	5.37	11.0	PQL	ng/Kg	
	OCDF	JBQ	0.341	11.0	PQL	ng/Kg	
SL-081-SA5DN-SB-9.0-10.0	1,2,3,4,6,7,8-HPCDD	JB	0.860	5.44	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JB	0.253	5.44	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0811	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0584	5.44	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JB	0.0690	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0621	5.44	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0474	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JB	0.0992	5.44	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JBQ	0.0578	5.44	PQL	ng/Kg	J (all detects)
	1,2,3,7,8-PECDD	JBQ	0.0393	5.44	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0391	5.44	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0702	5.44	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0836	5.44	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0346	1.09	PQL	ng/Kg	
	OCDD	JB	8.17	10.9	PQL	ng/Kg	
	OCDF	JB	0.330	10.9	PQL	ng/Kg	
SL-084-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	1.10	5.48	PQL	ng/Kg	
	1,2,3,4,6,7,8-HPCDF	JBQ	0.293	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JBQ	0.0709	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JB	0.0588	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0686	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JB	0.102	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0586	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0783	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,7,8,9-HXCDF	JBQ	0.0885	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0421	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0433	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JB	0.0973	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JBQ	0.0847	5.48	PQL	ng/Kg	
	2,3,7,8-TCDD	JQ	0.0287	1.10	PQL	ng/Kg	
	OCDF	JB	0.451	11.0	PQL	ng/Kg	

Reporting Limit Outliers

Lab Reporting Batch ID: DX087 **Laboratory: LL**

EDD Filename: DX087_v1 **eQAPP Name: CDM_SSFL_110509**

Method: **1613B**

Matrix: **SO**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
SL-089-SA5DN-SB-4.0-5.0	1,2,3,4,6,7,8-HPCDD	JB	0.786	5.48	PQL	ng/Kg	J (all detects)
	1,2,3,4,6,7,8-HPCDF	JBQ	0.221	5.48	PQL	ng/Kg	
	1,2,3,4,7,8,9-HPCDF	JB	0.0785	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HxCDD	JBQ	0.0244	5.48	PQL	ng/Kg	
	1,2,3,4,7,8-HXCDF	JBQ	0.0739	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDD	JBQ	0.0757	5.48	PQL	ng/Kg	
	1,2,3,6,7,8-HXCDF	JBQ	0.0602	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDD	JBQ	0.0955	5.48	PQL	ng/Kg	
	1,2,3,7,8,9-HXCDF	JB	0.0669	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDD	JBQ	0.0221	5.48	PQL	ng/Kg	
	1,2,3,7,8-PECDF	JBQ	0.0481	5.48	PQL	ng/Kg	
	2,3,4,6,7,8-HXCDF	JBQ	0.0685	5.48	PQL	ng/Kg	
	2,3,4,7,8-PECDF	JB	0.0880	5.48	PQL	ng/Kg	
	OCDF	JBQ	0.330	11.0	PQL	ng/Kg	

LDC #: 25984B21

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and Reported CRQLs

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

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

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

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

#	Date	Compound	Finding	Associated Samples	Qualifications
		OCDD	> calibration range	SL-015-SA5DN-55-0.0-0.5	J detects / P
		↓	↓	↓-021-↓-↓-↓	↓

Comments: See sample calculation verification worksheet for recalculations

LDC #: 25984B21

VALIDATION FINDINGS WORKSHEET
Overall Assessment of Data

Reviewer:
2nd Reviewer:

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

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

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

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

#	Date	Sample ID	Finding	Associated Samples	Qualifications
		SED-035-SW-SD	2,3,7,8-TCDF result	-	R / A
		SL-017-SASDN-SS-0.0-0.5	from column SP2331	-	↓

Comments:

SAMPLE DELIVERY GROUP

1105316

Santa Susana
Data Validation Report

Sample Delivery Group (SDG) Number:	1105316
Laboratory:	Frontier Global Sciences
Matrix:	Soil, Water
Collection date:	05-23-11
Analysis/Methods:	Methyl Mercury
	% Solids

Samples in SDG:

1105316-001	SED-035-SIV-SDMS
1105316-002	DUP03-SIV-QC-05311
1105316-003	FB08-SIV-052311

Validation was performed in accordance with the EPA National Functional Guidelines (EPA 2004) methods EPA 1630, Modified EPA 1630, and percent solids.

Methyl Mercury

Precision:	Yes	No	N/A
Were the Field Duplicate relative percent differences (RPD).	Yes		
Were the Matrix Spike Duplicate/Triplicate RPDs acceptable?	Yes		
Were the Matrix Spike/Matrix Spike Duplicate RPD's acceptable?	Yes		
Laboratory Control Spike Duplicates RPD?	Yes		

Comments (note deviations):

Accuracy:	Yes	No	N/A
Was the Matrix Spike/Matrix Spike Duplicate criteria met? 65-130	Yes		
Laboratory Control Sample criteria met? 70-130	Yes		
Were the Laboratory Method Blank results all < LOQ?		No	
Were the Field Blanks results all < LOQ?	Yes		
Was the ICAL criteria met - 80-120?	Yes		
Was the CCAL criteria met - 75-125?	Yes		

Comments (note deviations):

Field Duplicates		**%RPD**	**Qualifiers**	**Associated Samples**
	Methyl Mercury	Acceptable - absolute difference criteria		

Blanks		**Concentration**	**MRL**		**Qualifiers**	**Associated Samples**
Prep blanks						
Soil/Sediment						
EPA 1630 Mod	F105376-Blk 1	0.001 ug/Kg	0.05 ug/Kg		None	Blk results are < MRL.
	F105376-Blk 1	0.003 ug/Kg	0.05 ug/Kg		None	Blk results are < MRL.
	F105376-Blk 1	0.004 ug/Kg	0.05 ug/Kg		None	Blk results are < MRL.
		Sample results are greater than the MRL.				
EPA 1630 Mod	ICB	0.003 ng/L	0.101 ng/L		None	Blk results are < MRL.
	CCB1	-0.0008 ng/L	0.101 ng/L	U non-detect*	None	Blk is > - MRL.
	CCB2	0.0006 ngL	0.101 ng/L		None	Blk results are < MRL.
	CCB3	-0.002 ng/L	0.101 ng/L	U non-detect	None	Blk results are < MRL.
	CCB4	-0.0008 ng/L	0.101 ng/L	U non-detect*	None	Blk is > - MRL.

Water						
EPA 1630	F105371-Blk1	-0.002 ng/L	0.050 ng/L	U non-detect*	None	Blk is > - MRL.
	F105371-Blk2	-0.004 ng/L	0.050 ng/L	U non-detect	None	Blk results are < MRL.
	F105371-Blk3	-0.006 ng/L	0.050 ng/L	U non-detect*	None	Blk is > - MRL.
EPA 1630	ICB 1	-0.0004 ng/L	0.045 ng/L	U non-detect	None	Blk results are < MRL.
	CCB1	0.0004 ng/L	0.045 ng/L		None	Blk results are < MRL.
	CCB2	-0.0004 ngL	0.045 ng/L	U non-detect*	None	Blk is > - MRL.
	CCB3	0.0004 ng/L	0.045 ng/L		None	Blk results are < MRL.

Sample results for SED-035-SIV-SDMS and DUP03-SIV-QC-052311 were both greater than the blank and MRL results for all blanks. No qualification was necessary.

Field Blank

	Analyte
FB08-SIV-052311	non-detect

Matrix Duplicate/Triplicates	**RPD**	**Limits**	**Qualifiers**	**Associated Samples**
F105371-Dup1				
Methyl Mercury	41%	25	None sample is Non-detect	FB08-SIV-052311
Prep: Methyl Mercury Distillation for Water EPA 1630				
F105376-Dup1				
Methyl Mercury	18%	25	None acceptable	
Prep: Methylene Chloride extraction for Methyl Mercury EPA 1630 Modified				
F105379-Dup1				
%Solids	1.2%	10	None acceptable	
Prep: Solids Analysis Method S2540B				
F105379-Dup2				
%Solids	5.1%	10	None acceptable	
Prep: Solids Analysis Method S2540B				

Matrix Spike/Spike Duplicate

	%R	**Limit**	**RPD**
F105371-MS/MSD1	Acceptable	65-30%	Acceptable
Prep: Methyl Mercury Distillation for water. EPA 1630.			
F105376-MS/MSD1	Acceptable	65-130%	Acceptable
Prep: Methylene Chloride extraction for methyl mercury. Modified EPA 1630.			
F105376-MS/MSD2	Acceptable	65-130%	Acceptable
Prep: Methylene Chloride extraction for methyl mercury. Modified EPA 1630.			
F105376-MS/MSD3	Acceptable	65-130%	Acceptable
Prep: Methylene Chloride extraction for methyl mercury. Modified EPA 1630.			

LCS/LCSD

	%R	**RPD**
F105371-BS/BSD1	Acceptable	Acceptable
Methyl Mercury (Water)		
F105376-BS/BSD1	**%R**	**RPD**
Methyl Mercury	Acceptable	Acceptable

ICAL

80-120
Acceptable

CCV 75-125
Acceptable

Representativeness:	Yes	No	N/A
Were sampling procedures and design criteria met?	Yes		
Were holding times met?	Yes		
Was preservation criteria met? (4° ± 2° C)		No	
Were Chain-of-Custody records complete and provided in data package?	Yes		

Comments (note deviations):

The sample coolers were received at 0.7°C. Based on professional judgement no action is required for the low temperature.

Comparability:	Yes	No	N/A
Were analytical procedures and methods followed as defined in the QAPP or field change documentation?	Yes		

Comments (note deviations):

Completeness (90%):	Yes	No	N/A
Are all data in this SDG usable?	Yes		

Comments (note deviations):

Sensitivity:	Yes	No	N/A
Is a verification report present for method detection limits, interelement correction factors and linear ranges?	Yes		
Are MDLs present and reported?	Yes		
Do the reporting limits meet project requirements?	Yes		
Are results above the linear range of the instrument?	Yes		

Comments (note deviations):

Data Validator: Carrie Madrid Date: 2011-07-12

Data Reviewer: Cherie Zakowski Date: 2011-07-13

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Methyl Mercury Analytical Results

Matrix: Soil/Sediment **Preparation:** Methylene Chloride Extraction for Methyl Hg

Sample Name	Result	MRL	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
SED-035-SIV-SDMS	**0.452**	0.133	µg/kg dry	1.05	F105376	05/30/11	1F01010	06/01/11	PA 1630 Mc	
DUP03-SIV-QC-052311	**0.275**	0.091	µg/kg dry	0.95	F105376	05/30/11	1F01010	06/01/11	PA 1630 Mc	

Matrix: Water **Preparation:** Methyl Hg Distillation for Water

Sample Name	Result	MRL	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
FB08-SIV-052311	ND	0.050	ng/L	1.25	F105371	05/30/11	1F01012	06/01/11	EPA 1630	U

CMM 7/12/11

Frontier Global Sciences, Inc.

Cindy Fields

Cindy Fields, Project Manager

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% Solids Analytical Results

Matrix: Soil/Sediment **Preparation:** Solids Analysis

Sample Name	Result	MRL	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
SED-035-SIV-SDMS	**44.2**	0.1	% by Weight	1	F105379	05/30/11		05/31/11	SM 2540B	O-09
DUP03-SIV-QC-052311	**58.2**	0.1	% by Weight	1	F105379	05/30/11		05/31/11	SM 2540B	O-09

CMM 7/12/11

Frontier Global Sciences, Inc.

Cindy Fields

Cindy Fields, Project Manager

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SAMPLE DELIVERY GROUP

5311

Santa Susana
Data Validation Report

Sample Delivery Group (SDG) Number:	5311
Laboratory:	Test America
Matrix:	Soil, Water
Collection date:	05-23-11
Analysis/Methods:	
	Oganotins
	% Solids

Samples in SDG:

200-5311-1	SED-035-SIV-SDMS
200-5311-2	DUP03-SIV-QC-052311
200-5311-3	FB08-SIV-052311

Validation was performed in accordance with the USEPA CLP National Functional Guidelines for Superfund Organic Methods Data Review June 2008 and Method TestAmerica SOP Organotins/GC SW846 3550B.

Oraganotins/GC

Precision:	Yes	No	N/A
Were the Field Duplicate relative percent differences (RPD).			N/A
Were the Matrix Spike Duplicate/Triplicate RPDs acceptable?			N/A
Were the Matrix Spike/Matrix Spike Duplicate RPD's acceptable?			No
Laboratory Control Spike Duplicates RPD?			N/A

Comments (note deviations):

Accuracy:	Yes	No	N/A
Was the Matrix Spike/Matrix Spike Duplicate criteria met?			No
Laboratory Control Sample criteria met? 70-130			No
Were the Laboratory Method Blank results all < LOQ?			Yes
Were the Field Blanks results all < LOQ?			Yes
Was the ICAL criteria met - 20%?			Yes
Was the CCAL criteria met - 25%?			Yes
Internal Standard			Yes
Were surrogates recoveries within control limits?			Yes
Form X Column Agreement RPD < 40%?			Yes

Comments (note deviations):

Blanks		**Concentration**	**MRL**	**Qualifiers**	**Associated Samples**
Prep blanks					
Water	MB-200-18670/1-A	non-detect			
Soil/Sediment	MB-200-18679/1-A	non-detect			
Field Blank					
	FB08-SIV-052311	non-detect			

Matrix Spike/Spike Duplicate						
		%R	**Limit**	**RPD(30)**	**Qualifiers**	**Associated Samples**
	SED-035-SIV-SDMS MS/MSD					
	Monobutyltin	0% / 0%	10-48%	NC	J/UJ	SED-035-SIV-SDMS and DUP03-SIV-QC-052311

Duplicate		**RPD(30)**
	SED-035-SIV-SDMS	Acceptable

LCS/LCSD		**%R**	**Limit**	**RPD**	**Qualifiers**	**Associated Samples**
Water	200-18670/2-A					
	Monobutyltin	6%	10-48%	N/A	UJ	FB03-SIV-052311
		%R	**Limit**	**RPD**	**Qualifiers**	**Associated Samples**
Soil/Sediment	200-18879/1-A	Acceptable				

ICAL	**20%**	**Qualifiers**	**Associated Samples**
	Acceptable		

CCV	25%	**Qualifiers**	**Associated Samples**
	Acceptable		

Internal Standard	**Tripentyltin**	**Recoveries**
	2011-06-01	Acceptable
	2011-06-02	Acceptable

Form X	**Identification Summary**	
		RPD (40)
	Column agreement	Acceptable

Representativeness:

	Yes	No	N/A
Were sampling procedures and design criteria met?	Yes		
Were holding times met?	Yes		
Was preservation criteria met? (4° ± 2° C)	Yes		
Were Chain-of-Custody records complete and provided in data package?	Yes		

Comments (note deviations):

The sample cooler was received at 2.0°C.

Comparability:

	Yes	No	N/A
Were analytical procedures and methods followed as defined in the QAPP or field change documentation?	Yes		

Comments (note deviations):

Completeness (90%):

	Yes	No	N/A
Are all data in this SDG usable?	Yes		

Comments (note deviations):

The case narrative states that monobutyltin is known to have a poor extraction efficiency and the laboratory considers all results for this compound to be qualitative. All results both detect and non-detect are reported with a "J" flag to indicate that they are estimates.

Sensitivity:

	Yes	No	N/A
Is a verification report present for method detection limits, interelement correction factors and linear ranges?	Yes		
Are MDLs present and reported?	Yes		
Do the reporting limits meet project requirements?	Yes		
Are results above the linear range of the instrument?	Yes		

Comments (note deviations):

Data Validator: Carrie Madrid Date: 2011-08-24

Data Reviewer: Cherie Zakowski Date: 2011-08-25

Client: Lancaster Laboratories

Job Number: 200-5311-1
Sdg Number: 5311

Client Sample ID: **SED-035-SIV-SDMS**

Lab Sample ID: 200-5311-1
Client Matrix: Solid

% Moisture: 48.1

Date Sampled: 05/23/2011 1500
Date Received: 05/25/2011 1015

Organotins/GC Organotins (GC/FPD)

Analysis Method:	Organotins/GC	Analysis Batch:	200-19104	Instrument ID:	2860.i
Prep Method:	3550B	Prep Batch:	200-18879	Initial Weight/Volume:	30.26 g
Dilution:	1.0			Final Weight/Volume:	1000 uL
Analysis Date:	06/02/2011 1515			Injection Volume:	1.5 uL
Prep Date:	06/01/2011 1738			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Tetrabutyltin		3.2	U	0.84	3.2
Tributyltin		2.9	U	1.3	2.9
Dibutyltin		2.5	U	0.76	2.5
Monobutyltin		9.5 UJ	U J	9.5	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Tripentyltin	91		30 - 120

CMM 8/24/11

Client: Lancaster Laboratories

Job Number: 200-5311-1
Sdg Number: 5311

Client Sample ID: DUP03-SIV-QC-052311

Lab Sample ID: 200-5311-2
Client Matrix: Solid % Moisture: 45.9

Date Sampled: 05/23/2011 1510
Date Received: 05/25/2011 1015

Organotins/GC Organotins (GC/FPD)

Analysis Method:	Organotins/GC	Analysis Batch:	200-19104	Instrument ID:	2860.i
Prep Method:	3550B	Prep Batch:	200-18879	Initial Weight/Volume:	30.78 g
Dilution:	1.0			Final Weight/Volume:	1000 uL
Analysis Date:	06/02/2011 1549			Injection Volume:	1.5 uL
Prep Date:	06/01/2011 1738			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Tetrabutyltin		3.1	U	0.79	3.1
Tributyltin		2.7	U	1.2	2.7
Dibutyltin		2.3	U	0.72	2.3
Monobutyltin		9.0 U J	U J	9.0	9.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tripentyltin	90		30 - 120

cmm 8/24/11

Client: Lancaster Laboratories

Job Number: 200-5311-1
Sdg Number: 5311

Client Sample ID: **FB08-SIV-052311**

Lab Sample ID: 200-5311-3
Client Matrix: Water

Date Sampled: 05/23/2011 1600
Date Received: 05/25/2011 1015

Organotins/GC Organotins (GC/FPD)

Analysis Method:	Organotins/GC	Analysis Batch:	200-19104	Instrument ID:	2860.i
Prep Method:	3510C	Prep Batch:	200-18670	Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	1000 uL
Analysis Date:	06/02/2011 1713			Injection Volume:	1.5 uL
Prep Date:	05/26/2011 2040			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Tetrabutyltin	0.048	U	0.012	0.048
Tributyltin	0.043	U	0.012	0.043
Dibutyltin	0.038	U	0.0081	0.038
Monobutyltin	0.48 UJ	U J *	0.48	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tripentyltin	88		15 - 150

cmm 8/24/11

Client: Lancaster Laboratories

Job Number: 200-5311-1
Sdg Number: 5311

General Chemistry

Client Sample ID: **SED-035-SIV-SDMS**

Lab Sample ID: 200-5311-1
Client Matrix: Solid

Date Sampled: 05/23/2011 1500
Date Received: 05/25/2011 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	51.9		%	0.25	0.25	1.0	Moisture

Analysis Batch: 200-18581 Analysis Date: 05/25/2011 1402 DryWt Corrected: N

CMM 8/24/11

Client: Lancaster Laboratories

Job Number: 200-5311-1
Sdg Number: 5311

General Chemistry

Client Sample ID: **DUP03-SW-QC-052311**

Lab Sample ID: 200-5311-2
Client Matrix: Solid

Date Sampled: 05/23/2011 1510
Date Received: 05/25/2011 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Solids	54.1		%	0.25	0.25	1.0	Moisture

Analysis Batch: 200-18581 Analysis Date: 05/25/2011 1402 DryWt Corrected: N

cmm
8/24/11

Appendix D
Master Database Table
(On CD)

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	160.3M	1/6/2011		Gen Prep	DE046	20.8	1	MOIST	MOISTURE	20.8		0.50	0.50	%					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	300.0	1/14/2011		METHOD	DE046	20.8	1	16984-48-8	FLUORIDE	2.3	J	1.0	1.3	mg/kg	J		J	Q	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	314.0	1/12/2011		METHOD	DE046	20.8	1	14797-73-0	PERCHLORATE	37.9	U	11.4	37.9	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7440-31-5	TIN	12.1	U	1.21	12.1	mg/kg	U	J	U	B, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7429-90-5	ALUMINUM	15100		6.11	24.3	mg/kg					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7439-89-6	IRON	18600		5.72	24.3	mg/kg					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7439-93-2	LITHIUM	22.7	J	0.27	2.4	mg/kg	J		J	*#	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7439-95-4	MAGNESIUM	4410		3.08	12.1	mg/kg					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7439-96-5	MANGANESE	287		0.0947	0.607	mg/kg					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7440-09-7	POTASSIUM	3130		21.9	60.7	mg/kg					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7440-23-5	SODIUM	75	J	45.3	121	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7440-24-6	STRONTIUM	16.2	J	0.0753	0.607	mg/kg	J		J	*#	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7440-32-6	TITANIUM	1090		0.461	1.21	mg/kg					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7440-42-8	BORON	5	J	1.08	6.07	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7440-67-7	Zirconium	1.2	J	1.02	6.07	mg/kg	J	J	J	FD, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7440-70-2	CALCIUM	2620		7.44	24.3	mg/kg					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6010B	12/30/2010	NA	3050B	DE046	20.8	1	7723-14-0	PHOSPHORUS	462		0.680	12.1	mg/kg					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/6/2011	NA	3050B	DE046	20.8	2	7782-49-2	SELENIUM	0.183	J	0.0495	0.495	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7439-98-7	MOLYBDENUM	0.747	J	0.0619	0.124	mg/kg	J		J	E, Q	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-39-3	BARIUM	122	J	0.134	0.495	mg/kg	J		J	E, *#	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7439-92-1	LEAD	18.4	J	0.0129	0.248	mg/kg	J		J	E, *#	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-02-0	NICKEL	16.3	J	0.124	0.495	mg/kg	J		J	E, Q, *#	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-22-4	SILVER	0.0727	J	0.0149	0.124	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-28-0	THALLIUM	0.366	J	0.0371	0.124	mg/kg	J		J	Q	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-36-0	ANTIMONY	0.248	UJ	0.0743	0.248	mg/kg	UJ	J	UJ	B, Q, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-38-2	ARSENIC	5.3	J	0.0743	0.495	mg/kg	J		J	E, Q	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-41-7	BERYLLIUM	0.646		0.0198	0.124	mg/kg					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-43-9	CADMIUM	0.267	J	0.0446	0.124	mg/kg	J		J	Q	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-47-3	CHROMIUM	21.4	J	0.149	0.495	mg/kg	J		J	E	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-48-4	COBALT	6.69	J	0.0248	0.124	mg/kg	J		J	E	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-50-8	COPPER	10.4	J	0.0817	0.495	mg/kg	J		J	E	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-62-2	VANADIUM	40.6	J	0.0272	0.124	mg/kg	J		J	E, Q, *#	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	6020	1/5/2011	NA	3050B	DE046	20.8	2	7440-66-6	ZINC	86.4	J	0.693	3.71	mg/kg	J		J	E, *#	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	7199	1/20/2011		3060A	DE046	20.8	1	18540-29-9	HEXAVALENT CHROMIUM	0.37	J	0.25	1.3	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	7471A	12/28/2010	NA	METHOD	DE046	20.8	1	7439-97-6	MERCURY	0.0285	J	0.0036	0.125	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	1024-57-3	HEPTACHLOR EPOXIDE	0.078	J	0.043	0.21	ug/kg	J	J	J	FD, L, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	1031-07-8	ENDOSULFAN SULFATE	0.43	U	0.083	0.43	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	2385-85-5	MIREX	0.095	J	0.083	0.43	ug/kg	J	J	J	FD, Z, *#	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	309-00-2	ALDRIN	0.21	U	0.083	0.21	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	319-84-6	ALPHA-BHC	0.21	U	0.043	0.21	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	319-85-7	BETA-BHC	0.21	U	0.076	0.21	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	319-86-8	DELTA-BHC	0.21	U	0.045	0.21	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	33213-65-9	ENDOSULFAN II	0.43	U	0.083	0.43	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	50-29-3	4,4'-DDT	0.86	J	0.083	0.43	ug/kg	J		J	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	53494-70-5	ENDRIN KETONE	0.43	U	0.083	0.43	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	57-74-9	Chlordane	4.3	U	1.0	4.3	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	58-89-9	gamma-BHC (Lindane)	0.21	U	0.043	0.21	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	60-57-1	DIELDRIN	0.43	U	0.12	0.43	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	72-20-8	ENDRIN	0.43	U	0.083	0.43	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	72-43-5	METHOXYCHLOR	2.1	U	0.43	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	72-54-8	4,4'-DDD	0.48	U	0.48	0.48	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	72-55-9	4,4'-DDE	0.71	J	0.083	0.43	ug/kg	J		J	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	7421-93-4	ENDRIN ALDEHYDE	0.27	J	0.083	0.43	ug/kg	J	J	J	FD, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	76-44-8	HEPTACHLOR	0.21	U	0.076	0.21	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	8001-35-2	TOXAPHENE	8.3	U	2.8	8.3	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8081A	1/14/2011		3550B	DE046	20.8	1	959-98-8	ENDOSULFAN I	0.21	U	0.056	0.21	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	11096-82-5	AROCLOR 1260	2.1	UJ	0.42	2.1	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	11097-69-1	AROCLOR 1254	2.1	UJ	0.42	2.1	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	11100-14-4	Aroclor 1268	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	11104-28-2	AROCLOR 1221	2.1	U	0.63	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	11126-42-4	Aroclor 5460	4.2	UJ	1.3	4.2	ug/kg	UJ	U	UJ	FD, L	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	11141-16-5	AROCLOR 1232	2.1	U	0.66	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	12642-23-8	Aroclor 5442	4.2	UJ	1.3	4.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	12672-29-6	AROCLOR 1248	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	12674-11-2	AROCLOR 1016	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	37324-23-5	Aroclor 1262	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	53469-21-9	AROCLOR 1242	2.1	U	0.63	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8082	12/31/2010		3550B	DE046	20.8	1	63496-31-1	Aroclor 5432	4.2	UJ	1.3	4.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8151A	1/6/2011		3550B	DE046	20.8	1	120-36-5	DICHLOROPROP	2.1	U	1.0	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8151A	1/6/2011		3550B	DE046	20.8	1	1918-00-9	DICAMBA	1.5	U	0.51	1.5	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8151A	1/6/2011		3550B	DE046	20.8	1	75-99-0	DALAPON	11	UJ	5.6	11	ug/kg	UJ	U	UJ	C	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8151A	1/6/2011		3550B	DE046	20.8	1	88-85-7	DINOSEB	3	UJ	1.0	3.0	ug/kg	UJ	U	UJ	C	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8151A	1/6/2011		3550B	DE046	20.8	1	93-65-2	MCPP	320	U	95	320	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8151A	1/6/2011		3550B	DE046	20.8	1	93-72-1	2,4,5-TP (Silvex)	0.18	J	0.095	0.21	ug/kg	J	J	J	FD, Z, *#	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8151A	1/6/2011		3550B	DE046	20.8	1	93-76-5	2,4,5-T	0.21	U	0.10	0.21	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8151A	1/6/2011		3550B	DE046	20.8	1	94-74-6	MCPA	320	U	96	320	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8151A	1/6/2011		3550B	DE046	20.8	1	94-75-7	2,4-D	4.5	UJ	1.5	4.5	ug/kg	UJ	U	UJ	C	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8151A	1/6/2011		3550B	DE046	20.8	1	94-82-6	2,4-DB	5.8	U	5.8	5.8	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	100-01-6	4-NITROANILINE	210	U	84	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	100-02-7	4-NITROPHENOL	630	U	210	630	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	100-51-6	BENZYL ALCOHOL	630	U	210	630	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	105-67-9	2,4-DIMETHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	106-44-5	4-METHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	106-46-7	1,4-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	106-47-8	4-CHLOROANILINE	210	U	84	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	108-68-9	3,5-Dimethylphenol	210	U	42	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	108-95-2	PHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	22	J	21	420	ug/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	118-74-1	HEXACHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	120-82-1	1,2,4-TRICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	120-83-2	2,4-DICHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	121-14-2	2,4-DINITROTOLUENE	210	U	42	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	132-64-9	DIBENZOFURAN	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	51-28-5	2,4-DINITROPHENOL	2500	U	840	2500	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	630	U	210	630	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	541-73-1	1,3-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	59-50-7	4-CHLORO-3-METHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	606-20-2	2,6-DINITROTOLUENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	62-53-3	ANILINE	630	U	210	630	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	65-85-0	BENZOIC ACID	630	U	210	630	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	67-72-1	HEXACHLOROETHANE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	210	U	42	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	630	U	210	630	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	78-59-1	ISOPHORONE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	86-30-6	N-NITROSODIPHENYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	86-74-8	CARBAZOLE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	87-68-3	HEXACHLOROBUTADIENE	210	U	84	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	87-86-5	PENTACHLOROPHENOL	630	U	210	630	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	88-06-2	2,4,6-TRICHLOROPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	88-74-4	2-NITROANILINE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	88-75-5	2-NITROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	91-58-7	2-CHLORONAPHTHALENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	91-94-1	3,3'-DICHLOROBENZIDINE	420	U	130	420	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	92-87-5	BENZIDINE	4200	U	1500	4200	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	95-48-7	2-METHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	95-50-1	1,2-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	95-57-8	2-CHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	95-95-4	2,4,5-TRICHLOROPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	98-95-3	NITROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C	1/18/2011		3550B	DE046	20.8	1	99-09-2	3-NITROANILINE	210	U	42	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	117-84-0	Di-n-octylphthalate	23	UJ	7.6	23	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	120-12-7	ANTHRACENE	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	129-00-0	PYRENE	2.1	UJ	0.84	2.1	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	131-11-3	Dimethylphthalate	23	U	7.6	23	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	191-24-2	BENZO(G,H,I)PERYLENE	2.1	UJ	0.84	2.1	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2.1	UJ	0.84	2.1	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	205-99-2	BENZO(B)FLUORANTHENE	2.1	UJ	0.84	2.1	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	206-44-0	FLUORANTHENE	2.1	UJ	0.84	2.1	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	207-08-9	BENZO(K)FLUORANTHENE	2.1	UJ	0.84	2.1	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	208-96-8	ACENAPHTHYLENE	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	218-01-9	CHRYSENE	0.71	J	0.42	2.1	ug/kg	J	J	J	FD, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	50-32-8	BENZO(A)PYRENE	2.1	UJ	0.84	2.1	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	56-55-3	BENZO(A)ANTHRACENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	62-75-9	N-NITROSODIMETHYLAMINE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	83-32-9	ACENAPHTHENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	84-66-2	Diethylphthalate	23	U	7.6	23	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	84-74-2	Di-n-butylphthalate	23	U	7.6	23	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	85-01-8	PHENANTHRENE	0.85	J	0.84	2.1	ug/kg	J	J	J	FD, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	85-68-7	Butylbenzylphthalate	23	U	7.6	23	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	86-73-7	FLUORENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	90-12-0	1-METHYLNAPHTHALENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	91-20-3	NAPHTHALENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	8270C SIM	1/11/2011		3550B	DE046	20.8	1	91-57-6	2-METHYLNAPHTHALENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	9045M	12/27/2010		Gen Prep	DE046	20.8	1	pH	PH	5.94		0.0100	0.0100	pH unit					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172036	ASTM D1498	12/27/2010		Gen Prep	DE046	20.8	1	REDOX	Oxidation Reduction Potential	541		10.0	10.0	mv					MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	2/6/2011		METHOD	DX029	20.8	1	51207-31-9	2,3,7,8-TCDF	4.47		0.0501	1.26	ng/kg		B		Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	1746-01-6	2,3,7,8-TCDD	0.0424	J	0.0395	1.26	ng/kg	J	JQ	J	FD, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.927	J	0.0582	6.31	ng/kg	J	JB	J	Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	3268-87-9	OCDD	70.8		0.0398	12.6	ng/kg		B			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	8.87		0.0535	6.31	ng/kg		B			MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	39001-02-0	OCDF	3.65	J	0.0494	12.6	ng/kg	J	JB	J	Z	MDL	PQL	6344803.704	1906894.735

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	39227-28-6	1,2,3,4,7,8-HxCDD	6.31	U	0.0576	6.31	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	40321-76-4	1,2,3,7,8-PECDD	6.31	U	0.0514	6.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	51207-31-9	2,3,7,8-TCDF	4.94		0.119	1.26	ng/kg				Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	6.31	U	0.0337	6.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	57117-31-4	2,3,4,7,8-PECDF	6.31	U	0.0422	6.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	57117-41-6	1,2,3,7,8-PECDF	1.94	J	0.0419	6.31	ng/kg	J	JB	J	Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	57117-44-9	1,2,3,6,7,8-HXCDF	6.31	U	0.0423	6.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.893	J	0.0590	6.31	ng/kg	J	JBQ	J	Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	60851-34-5	2,3,4,6,7,8-HXCDF	6.31	U	0.0456	6.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	6.31	U	0.0236	6.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	70648-26-9	1,2,3,4,7,8-HXCDF	6.31	U	0.0477	6.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
DUP01-SIV-QC-122010	12/20/2010	FD	0	0.5	ft bgs	SE	SED	SED-005-SIV-SD-0.0-0.5	6172046	1613B	1/28/2011		METHOD	DX029	20.8	1	72918-21-9	1,2,3,7,8,9-HXCDF	6.31	U	0.0514	6.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	160.3M	1/7/2011		Gen Prep	DE050	15.9	1	MOIST	MOISTURE	15.9		0.50	0.50	%					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	300.0	1/14/2011		METHOD	DE050	15.9	1	16984-48-8	FLUORIDE	1.2	UJ	0.95	1.2	mg/kg	UJ	U	UJ	FD	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	314.0	1/14/2011		METHOD	DE050	15.9	1	14797-73-0	PERCHLORATE	35.7	U	10.7	35.7	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7429-90-5	ALUMINUM	13700		5.70	22.6	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7439-89-6	IRON	20400		5.33	22.6	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7439-93-2	LITHIUM	26.9		0.25	2.3	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7439-95-4	MAGNESIUM	5760		2.88	11.3	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7439-96-5	MANGANESE	300		0.0883	0.566	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7440-09-7	POTASSIUM	3540		20.4	56.6	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7440-23-5	SODIUM	70.3	J	42.2	113	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7440-24-6	STRONTIUM	13.3		0.0702	0.566	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7440-31-5	TIN	11.3	U	1.13	11.3	mg/kg	U	J	U	B, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7440-32-6	TITANIUM	1260		0.430	1.13	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7440-42-8	BORON	4.68	J	1.01	5.66	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7440-67-7	Zirconium	3.82	J	0.951	5.66	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7440-70-2	CALCIUM	2800		6.94	22.6	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6010B	12/30/2010	NA	3050B	DE050	15.9	1	7723-14-0	PHOSPHORUS	487		0.634	11.3	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7782-49-2	SELENIUM	0.131	J	0.0457	0.457	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7439-98-7	MOLYBDENUM	0.545	J	0.0572	0.114	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-39-3	BARIUM	112		0.123	0.457	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7439-92-1	LEAD	10.3	J	0.0119	0.229	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-02-0	NICKEL	13.1	J	0.114	0.457	mg/kg	J		J	Q, *#	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-22-4	SILVER	0.0362	J	0.0137	0.114	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-28-0	THALLIUM	0.282		0.0343	0.114	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-36-0	ANTIMONY	0.0806	J	0.0686	0.229	mg/kg	J	J	J	Q, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-38-2	ARSENIC	6.94	J	0.0686	0.457	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-41-7	BERYLLIUM	0.565		0.0183	0.114	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-43-9	CADMIUM	0.239	J	0.0412	0.114	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-47-3	CHROMIUM	22	J	0.137	0.457	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-48-4	COBALT	6.5	J	0.0229	0.114	mg/kg	J		J	*#	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-50-8	COPPER	9.16	J	0.0755	0.457	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-62-2	VANADIUM	45.8	J	0.0252	0.114	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	6020	1/3/2011	NA	3050B	DE050	15.9	2	7440-66-6	ZINC	82.1		0.640	3.43	mg/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	7199	1/23/2011		3060A	DE050	15.9	1	18540-29-9	HEXAVALENT CHROMIUM	0.31	J	0.24	1.2	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	7471A	12/28/2010	NA	METHOD	DE050	15.9	1	7439-97-6	MERCURY	0.11	U	0.0032	0.110	mg/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	1024-57-3	HEPTACHLOR EPOXIDE	0.2	UJ	0.040	0.20	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	1031-07-8	ENDOSULFAN SULFATE	0.4	UJ	0.23	0.40	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	2385-85-5	MIREX	0.4	UJ	0.15	0.40	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	309-00-2	ALDRIN	0.2	UJ	0.078	0.20	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	319-84-6	ALPHA-BHC	0.2	UJ	0.040	0.20	ug/kg	UJ	U	UJ	S, L	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	319-85-7	BETA-BHC	0.2	UJ	0.071	0.20	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	319-86-8	DELTA-BHC	0.2	UJ	0.043	0.20	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	33213-65-9	ENDOSULFAN II	0.4	UJ	0.078	0.40	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	50-29-3	4,4'-DDT	0.49	UJ	0.49	0.49	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	53494-70-5	ENDRIN KETONE	0.4	UJ	0.078	0.40	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	57-74-9	Chlordane	4	UJ	0.95	4.0	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	58-89-9	gamma-BHC (Lindane)	0.2	UJ	0.040	0.20	ug/kg	UJ	U	UJ	S, L	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	60-57-1	DIELDRIN	0.4	UJ	0.078	0.40	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	72-20-8	ENDRIN	0.4	UJ	0.078	0.40	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	72-43-5	METHOXYCHLOR	2	UJ	0.40	2.0	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	72-54-8	4,4'-DDD	0.4	UJ	0.078	0.40	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	72-55-9	4,4'-DDE	0.4	UJ	0.27	0.40	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	7421-93-4	ENDRIN ALDEHYDE	0.4	UJ	0.078	0.40	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	76-44-8	HEPTACHLOR	0.2	UJ	0.071	0.20	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	8001-35-2	TOXAPHENE	7.8	UJ	2.6	7.8	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8081A	1/26/2011		3550B	DE050	15.9	1	959-98-8	ENDOSULFAN I	0.2	UJ	0.052	0.20	ug/kg	UJ	U	UJ	S	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	11096-82-5	AROCLOR 1260	0.68	J	0.39	2.0	ug/kg	J	J	J	S, L, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	11097-69-1	AROCLOR 1254	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	11100-14-4	Aroclor 1268	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	11104-28-2	AROCLOR 1221	2	U	0.59	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	11126-42-4	Aroclor 5460	1.9	J	1.2	3.9	ug/kg	J	J	J	S, L, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	11141-16-5	AROCLOR 1232	2	U	0.62	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	12642-23-8	Aroclor 5442	3.9	UJ	1.2	3.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	12672-29-6	AROCLOR 1248	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	12674-11-2	AROCLOR 1016	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	37324-23-5	Aroclor 1262	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	53469-21-9	AROCLOR 1242	2	U	0.59	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8082	1/6/2011		3550B	DE050	15.9	1	63496-31-1	Aroclor 5432	3.9	UJ	1.2	3.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8151A	1/7/2011		3550B	DE050	15.9	1	120-36-5	DICHLOROPROP	0.96	J	0.95	2.0	ug/kg	J	J	J	FD, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8151A	1/7/2011		3550B	DE050	15.9	1	1918-00-9	DICAMBA	1.2	J	0.48	1.4	ug/kg	J	J	J	FD, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8151A	1/7/2011		3550B	DE050	15.9	1	75-99-0	DALAPON	11	U	5.2	11	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8151A	1/7/2011		3550B	DE050	15.9	1	88-85-7	DINOSEB	2.9	R	0.95	2.9	ug/kg	R	U	R	L	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8151A	1/7/2011		3550B	DE050	15.9	1	93-65-2	MCPP	300	U	89	300	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8151A	1/7/2011		3550B	DE050	15.9	1	93-72-1	2,4,5-TP (Silvex)	0.18	J	0.089	0.20	ug/kg	J	J	J	FD, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8151A	1/7/2011		3550B	DE050	15.9	1	93-76-5	2,4,5-T	0.2	U	0.098	0.20	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8151A	1/7/2011		3550B	DE050	15.9	1	94-74-6	MCPA	300	U	90	300	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8151A	1/7/2011		3550B	DE050	15.9	1	94-75-7	2,4-D	4.3	U	1.4	4.3	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8151A	1/7/2011		3550B	DE050	15.9	1	94-82-6	2,4-DB	4.4	U	4.4	4.4	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	100-01-6	4-NITROANILINE	200	U	79	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	100-02-7	4-NITROPHENOL	590	U	200	590	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	100-51-6	BENZYL ALCOHOL	590	U	200	590	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	105-67-9	2,4-DIMETHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	106-44-5	4-METHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	106-46-7	1,4-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	106-47-8	4-CHLOROANILINE	200	U	79	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	108-68-9	3,5-Dimethylphenol	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	108-95-2	PHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	87	J	20	400	ug/kg	J	J	J	FD, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	118-74-1	HEXACHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	120-82-1	1,2,4-TRICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	120-83-2	2,4-DICHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	121-14-2	2,4-DINITROTOLUENE	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	132-64-9	DIBENZOFURAN	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	51-28-5	2,4-DINITROPHENOL	2400	U	790	2400	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	590	U	200	590	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	541-73-1	1,3-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	59-50-7	4-CHLORO-3-METHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	606-20-2	2,6-DINITROTOLUENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	62-53-3	ANILINE	590	U	200	590	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	65-85-0	BENZOIC ACID	590	U	200	590	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	67-72-1	HEXACHLOROETHANE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	590	U	200	590	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	78-59-1	ISOPHORONE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	86-30-6	N-NITROSODIPHENYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	86-74-8	CARBAZOLE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	87-68-3	HEXACHLOROBUTADIENE	200	U	79	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	87-86-5	PENTACHLOROPHENOL	590	U	200	590	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	88-06-2	2,4,6-TRICHLOROPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	88-74-4	2-NITROANILINE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	88-75-5	2-NITROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	91-58-7	2-CHLORONAPHTHALENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	91-94-1	3,3'-DICHLOROBENZIDINE	400	U	120	400	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	92-87-5	BENZIDINE	4000	U	1400	4000	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	95-48-7	2-METHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	95-50-1	1,2-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	95-57-8	2-CHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	95-95-4	2,4,5-TRICHLOROPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	98-95-3	NITROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C	1/18/2011		3550B	DE050	15.9	1	99-09-2	3-NITROANILINE	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	117-84-0	Di-n-octylphthalate	21	U	7.1	21	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	120-12-7	ANTHRACENE	2	U	0.40	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	129-00-0	PYRENE	1.1	J	0.79	2.0	ug/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	131-11-3	Dimethylphthalate	21	U	7.1	21	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	191-24-2	BENZO(G,H,I)PERYLENE	2	U	0.79	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2	U	0.79	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	205-99-2	BENZO(B)FLUORANTHENE	1.5	J	0.79	2.0	ug/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	206-44-0	FLUORANTHENE	1.6	J	0.79	2.0	ug/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	207-08-9	BENZO(K)FLUORANTHENE	2	U	0.79	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	208-96-8	ACENAPHTHYLENE	0.47	J	0.40	2.0	ug/kg	J	J	J	FD, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	218-01-9	CHRYSENE	1.1	J	0.40	2.0	ug/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	50-32-8	BENZO(A)PYRENE	2	U	0.79	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2	U	0.79	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	56-55-3	BENZO(A)ANTHRACENE	2	U	0.79	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	62-75-9	N-NITROSODIMETHYLAMINE	2	U	0.79	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	83-32-9	ACENAPHTHENE	2	U	0.79	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	84-66-2	Diethylphthalate	21	U	7.1	21	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	84-74-2	Di-n-butylphthalate	21	U	7.1	21	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	85-01-8	PHENANTHRENE	1.1	J	0.79	2.0	ug/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	85-68-7	Butylbenzylphthalate	21	U	7.1	21	ug/kg		U			MDL	PQL	6344349.523	1907255.432

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	86-73-7	FLUORENE	2	U	0.79	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	90-12-0	1-METHYLNAPHTHALENE	2	U	0.79	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	91-20-3	NAPHTHALENE	2.4		0.79	2.0	ug/kg					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	8270C SIM	1/12/2011		3550B	DE050	15.9	1	91-57-6	2-METHYLNAPHTHALENE	2	U	0.79	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	9045M	12/27/2010		Gen Prep	DE050	15.9	1	pH	PH	6.52		0.0100	0.0100	pH unit					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172315	ASTM D1498	12/27/2010		Gen Prep	DE050	15.9	1	REDOX	Oxidation Reduction Potential	522		10.0	10.0	mv					MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	1746-01-6	2,3,7,8-TCDD	1.19	U	0.0378	1.19	ng/kg		U			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	19408-74-3	1,2,3,7,8,9-HXCDD	5.95	U	0.0382	5.95	ng/kg	U	JB	U	B, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	3268-87-9	OCDD	14.7		0.0375	11.9	ng/kg		B			MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	2.04	J	0.0419	5.95	ng/kg	J	JBQ	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	39001-02-0	OCDF	11.9	U	0.0465	11.9	ng/kg	U	JB	U	B, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	39227-28-6	1,2,3,4,7,8-HxCDD	5.95	U	0.0383	5.95	ng/kg	U	JB	U	B, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	40321-76-4	1,2,3,7,8-PECDD	5.95	U	0.0382	5.95	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	51207-31-9	2,3,7,8-TCDF	0.176	J	0.0565	1.19	ng/kg	J	JQ	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.95	U	0.0283	5.95	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	57117-31-4	2,3,4,7,8-PECDF	5.95	U	0.0268	5.95	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	57117-41-6	1,2,3,7,8-PECDF	5.95	U	0.0270	5.95	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.95	U	0.0237	5.95	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.183	J	0.0385	5.95	ng/kg	J	JBQ	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	60851-34-5	2,3,4,6,7,8-HXCDF	5.95	U	0.0250	5.95	ng/kg	U	JB	U	B, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	0.494	J	0.0197	5.95	ng/kg	J	JB	J	Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.95	U	0.0270	5.95	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
DUP02-SIV-QC-122110	12/21/2010	FD	0	0.5	ft bgs	SE	SED	SED-002-SIV-SD-0.0-0.5	6172362	1613B	1/29/2011		METHOD	DX033	15.9	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.95	U	0.0285	5.95	ng/kg	U	JB	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	160.3M	12/20/2010		Gen Prep	DE045	12.1	1	MOIST	MOISTURE	12.1		0.50	0.50	%					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	300.0	1/11/2011		METHOD	DE045	12.1	1	16984-48-8	FLUORIDE	1.2		0.91	1.1	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	314.0	1/11/2011		METHOD	DE045	12.1	1	14797-73-0	PERCHLORATE	34.1	U	10.2	34.1	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7429-90-5	ALUMINUM	17400		5.61	22.3	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7439-89-6	IRON	20400		5.25	22.3	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7439-93-2	LITHIUM	23.8		0.25	2.2	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7439-95-4	MAGNESIUM	4420		2.83	11.2	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7439-96-5	MANGANESE	440		0.0870	0.558	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7440-09-7	POTASSIUM	4070		20.1	55.8	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7440-23-5	SODIUM	110	J	41.6	112	mg/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7440-24-6	STRONTIUM	27.2		0.0692	0.558	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7440-31-5	TIN	11.2	U	1.12	11.2	mg/kg	U	J	U	B, Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7440-32-6	TITANIUM	1160		0.424	1.12	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7440-42-8	BORON	8.79		0.993	5.58	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7440-67-7	Zirconium	4.21	J	0.937	5.58	mg/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7440-70-2	CALCIUM	5250		6.84	22.3	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6010B	12/30/2010	NA	3050B	DE045	12.1	1	7723-14-0	PHOSPHORUS	423		0.625	11.2	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7439-92-1	LEAD	15.3	J	0.0115	0.221	mg/kg	J		J	Q	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-02-0	NICKEL	16	J	0.110	0.442	mg/kg	J		J	Q, *#	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-22-4	SILVER	0.0983	J	0.0133	0.110	mg/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-28-0	THALLIUM	0.335		0.0331	0.110	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-36-0	ANTIMONY	0.118	J	0.0663	0.221	mg/kg	J	J	J	Q, Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-38-2	ARSENIC	7.32	J	0.0663	0.442	mg/kg	J		J	Q	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-41-7	BERYLLIUM	0.73		0.0177	0.110	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-43-9	CADMIUM	0.457	J	0.0398	0.110	mg/kg	J		J	Q	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-47-3	CHROMIUM	26.7	J	0.133	0.442	mg/kg	J		J	Q	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-48-4	COBALT	7.38	J	0.0221	0.110	mg/kg	J		J	*#	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-50-8	COPPER	13.2	J	0.0729	0.442	mg/kg	J		J	Q	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-62-2	VANADIUM	48.4	J	0.0243	0.110	mg/kg	J		J	Q	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-66-6	ZINC	88.8		0.619	3.31	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7782-49-2	SELENIUM	0.23	J	0.0442	0.442	mg/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7439-98-7	MOLYBDENUM	1.05	J	0.0552	0.110	mg/kg	J		J	Q	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	6020	1/3/2011	NA	3050B	DE045	12.1	2	7440-39-3	BARIUM	138		0.119	0.442	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	7199	1/20/2011		3060A	DE045	12.1	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.23	1.1	mg/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	7471A	12/28/2010	NA	METHOD	DE045	12.1	2.5	7439-97-6	MERCURY	0.927		0.0080	0.280	mg/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/14/2011		3550B	DE045	12.1	5	50-29-3	4,4'-DDT	7.8		0.38	1.9	ug/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/14/2011		3550B	DE045	12.1	5	72-54-8	4,4'-DDD	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	1024-57-3	HEPTACHLOR EPOXIDE	0.45	U	0.45	0.45	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	1031-07-8	ENDOSULFAN SULFATE	0.39	U	0.075	0.39	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	2385-85-5	MIREX	0.39	U	0.075	0.39	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	309-00-2	ALDRIN	0.19	U	0.075	0.19	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	319-84-6	ALPHA-BHC	0.19	U	0.039	0.19	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	319-85-7	BETA-BHC	0.19	U	0.068	0.19	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	319-86-8	DELTA-BHC	0.074	J	0.041	0.19	ug/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	33213-65-9	ENDOSULFAN II	2.1	U	2.1	2.1	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	53494-70-5	ENDRIN KETONE	0.39	U	0.075	0.39	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	57-74-9	Chlordane	3.9	U	0.91	3.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	58-89-9	gamma-BHC (Lindane)	0.19	U	0.039	0.19	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	60-57-1	DIELDRIN	0.47	U	0.47	0.47	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	72-20-8	ENDRIN	0.39	U	0.075	0.39	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	72-43-5	METHOXYCHLOR	1.9	U	0.39	1.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	72-55-9	4,4'-DDE	2.6	U	2.6	2.6	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	7421-93-4	ENDRIN ALDEHYDE	0.89	U	0.89	0.89	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	76-44-8	HEPTACHLOR	0.19	U	0.068	0.19	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	8001-35-2	TOXAPHENE	7.5	U	2.5	7.5	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8081A	1/8/2011		3550B	DE045	12.1	1	959-98-8	ENDOSULFAN I	0.19	U	0.050	0.19	ug/kg		U			MDL	PQL	6344480.717	1907070.218

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	11096-82-5	AROCLOR 1260	18	J	0.75	3.9	ug/kg	J		J	S	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	11097-69-1	AROCLOR 1254	43	J	0.75	3.9	ug/kg	J		J	S	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	11100-14-4	Aroclor 1268	3.9	U	0.75	3.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	11104-28-2	AROCLOR 1221	3.9	U	1.1	3.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	11126-42-4	Aroclor 5460	8.2	J	2.3	7.5	ug/kg	J		J	S, L	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	11141-16-5	AROCLOR 1232	3.9	U	1.2	3.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	12642-23-8	Aroclor 5442	7.5	UJ	2.3	7.5	ug/kg	UJ	U	UJ	L	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	12672-29-6	AROCLOR 1248	3.9	U	0.75	3.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	12674-11-2	AROCLOR 1016	3.9	U	0.75	3.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	37324-23-5	Aroclor 1262	3.9	U	0.75	3.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	53469-21-9	AROCLOR 1242	3.9	U	1.1	3.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8082	1/6/2011		3550B	DE045	12.1	2	63496-31-1	Aroclor 5432	7.5	UJ	2.3	7.5	ug/kg	UJ	U	UJ	L	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8151A	1/1/2011		3550B	DE045	12.1	1	120-36-5	DICHLOROPROP	1.9	U	0.91	1.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8151A	1/1/2011		3550B	DE045	12.1	1	1918-00-9	DICAMBA	1.9		0.46	1.4	ug/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8151A	1/1/2011		3550B	DE045	12.1	1	75-99-0	DALAPON	10	U	5.0	10	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8151A	1/1/2011		3550B	DE045	12.1	1	88-85-7	DINOSEB	2.7	R	0.91	2.7	ug/kg	R	U	R	L	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8151A	1/1/2011		3550B	DE045	12.1	1	93-65-2	MCPP	280	U	85	280	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8151A	1/1/2011		3550B	DE045	12.1	1	93-72-1	2,4,5-TP (Silvex)	0.19	U	0.085	0.19	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8151A	1/1/2011		3550B	DE045	12.1	1	93-76-5	2,4,5-T	0.19	U	0.093	0.19	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8151A	1/1/2011		3550B	DE045	12.1	1	94-74-6	MCPA	490	U	490	490	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8151A	1/1/2011		3550B	DE045	12.1	1	94-75-7	2,4-D	4.1	U	1.4	4.1	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8151A	1/1/2011		3550B	DE045	12.1	1	94-82-6	2,4-DB	1.9	U	1.7	1.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	100-01-6	4-NITROANILINE	190	U	76	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	100-02-7	4-NITROPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	100-51-6	BENZYL ALCOHOL	570	U	190	570	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	106-44-5	4-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	106-47-8	4-CHLOROANILINE	190	U	76	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	108-68-9	3,5-Dimethylphenol	190	U	38	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	121-14-2	2,4-DINITROTOLUENE	190	U	38	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	51-28-5	2,4-DINITROPHENOL	2300	U	760	2300	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	62-53-3	ANILINE	570	U	190	570	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	65-85-0	BENZOIC ACID	570	U	190	570	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	38	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	570	U	190	570	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	86-74-8	CARBAZOLE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	87-68-3	HEXACHLOROBUTADIENE	190	U	76	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	87-86-5	PENTACHLOROPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	91-94-1	3,3'-DICHLOROBENZIDINE	380	U	110	380	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	92-87-5	BENZIDINE	3800	U	1300	3800	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	95-48-7	2-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C	1/18/2011		3550B	DE045	12.1	1	99-09-2	3-NITROANILINE	190	U	38	190	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	41		6.8	20	ug/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	117-84-0	Di-n-octylphthalate	20	U	6.8	20	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	120-12-7	ANTHRACENE	0.63	J	0.38	1.9	ug/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	129-00-0	PYRENE	2.8		0.76	1.9	ug/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	131-11-3	Dimethylphthalate	20	U	6.8	20	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	191-24-2	BENZO(G,H,I)PERYLENE	0.77	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	205-99-2	BENZO(B)FLUORANTHENE	3.4		0.76	1.9	ug/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	206-44-0	FLUORANTHENE	4.1		0.76	1.9	ug/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	207-08-9	BENZO(K)FLUORANTHENE	1.3	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	218-01-9	CHRYSENE	5.8		0.38	1.9	ug/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	50-32-8	BENZO(A)PYRENE	0.96	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	56-55-3	BENZO(A)ANTHRACENE	1.3	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	83-32-9	ACENAPHTHENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	84-66-2	Diethylphthalate	20	U	6.8	20	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	84-74-2	Di-n-butylphthalate	20	U	6.8	20	ug/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	85-01-8	PHENANTHRENE	6.8		0.76	1.9	ug/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	85-68-7	Butylbenzylphthalate	7.1	J	6.8	20	ug/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	86-73-7	FLUORENE	3		0.76	1.9	ug/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	90-12-0	1-METHYLNAPHTHALENE	1.8	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	91-20-3	NAPHTHALENE	3.8		0.76	1.9	ug/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	8270C SIM	1/11/2011		3550B	DE045	12.1	1	91-57-6	2-METHYLNAPHTHALENE	2.1		0.76	1.9	ug/kg					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	9045M	12/21/2010		Gen Prep	DE045	12.1	1	pH	PH	7.16		0.0100	0.0100	pH unit					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169022	ASTM D1498	12/21/2010		Gen Prep	DE045	12.1	1	REDOX	Oxidation Reduction Potential	509		10.0	10.0	mv					MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	2/6/2011		METHOD	DX029	12.1	1	51207-31-9	2,3,7,8-TCDF	1.76		0.0584	1.14	ng/kg		B		Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	1746-01-6	2,3,7,8-TCDD	0.0787	J	0.0567	1.14	ng/kg	J	J	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	19408-74-3	1,2,3,7,8,9-HXCDD	1.21	J	0.0709	5.69	ng/kg	J	JB	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	3268-87-9	OCDD	236		0.0587	11.4	ng/kg		B			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	27.7		0.0706	5.69	ng/kg		B			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	39001-02-0	OCDF	4.93	J	0.0487	11.4	ng/kg	J	JB	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	39227-28-6	1,2,3,4,7,8-HxCDD	5.69	U	0.0714	5.69	ng/kg	U	JB	U	B, Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	40321-76-4	1,2,3,7,8-PECDD	5.69	U	0.0919	5.69	ng/kg		U			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	51207-31-9	2,3,7,8-TCDF	1.74		0.154	1.14	ng/kg				Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.69	U	0.0485	5.69	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	57117-31-4	2,3,4,7,8-PECDF	1.66	J	0.0580	5.69	ng/kg	J	JB	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	57117-41-6	1,2,3,7,8-PECDF	11.7		0.0613	5.69	ng/kg		B			MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.69	U	0.0576	5.69	ng/kg	U	JB	U	B, Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	57653-85-7	1,2,3,6,7,8-HXCDD	1.56	J	0.0747	5.69	ng/kg	J	JB	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	60851-34-5	2,3,4,6,7,8-HXCDF	5.69	U	0.0596	5.69	ng/kg	U	JB	U	B, Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	5.69	U	0.0356	5.69	ng/kg	U	JB	U	B, Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	70648-26-9	1,2,3,4,7,8-HXCDF	1.12	J	0.0610	5.69	ng/kg	J	JB	J	Z	MDL	PQL	6344480.717	1907070.218
SED-001-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169037	1613B	1/28/2011		METHOD	DX029	12.1	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.69	U	0.0625	5.69	ng/kg	U	JB	U	B, Z	MDL	PQL	6344480.717	1907070.218
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	160.3M	1/7/2011		Gen Prep	DE050	16.4	1	MOIST	MOISTURE	16.4		0.50	0.50	%					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	300.0	1/14/2011		METHOD	DE050	16.4	1	16984-48-8	FLUORIDE	1.1	J	0.96	1.2	mg/kg	J	J	J	FD, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	314.0	1/14/2011		METHOD	DE050	16.4	1	14797-73-0	PERCHLORATE	35.9	U	10.8	35.9	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7429-90-5	ALUMINUM	14600		5.73	22.8	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7439-89-6	IRON	22100		5.37	22.8	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7439-93-2	LITHIUM	29.2		0.25	2.3	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7439-95-4	MAGNESIUM	6260		2.89	11.4	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7439-96-5	MANGANESE	332		0.0889	0.570	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7440-09-7	POTASSIUM	3940		20.5	57.0	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7440-23-5	SODIUM	74.9	J	42.5	114	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7440-24-6	STRONTIUM	13.6		0.0706	0.570	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7440-31-5	TIN	11.4	U	1.14	11.4	mg/kg	U	J	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7440-32-6	TITANIUM	1360		0.433	1.14	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7440-42-8	BORON	4.65	J	1.01	5.70	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7440-67-7	Zirconium	4.42	J	0.957	5.70	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7440-70-2	CALCIUM	2940		6.98	22.8	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6010B	12/30/2010	NA	3050B	DE050	16.4	1	7723-14-0	PHOSPHORUS	501		0.638	11.4	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7782-49-2	SELENIUM	0.153	J	0.0469	0.469	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7439-98-7	MOLYBDENUM	0.457	J	0.0586	0.117	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-39-3	BARIUM	104		0.127	0.469	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7439-92-1	LEAD	10	J	0.0122	0.235	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-02-0	NICKEL	12.1	J	0.117	0.469	mg/kg	J		J	Q, *#	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-22-4	SILVER	0.0286	J	0.0141	0.117	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-28-0	THALLIUM	0.296		0.0352	0.117	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-36-0	ANTIMONY	0.111	J	0.0704	0.235	mg/kg	J	J	J	Q, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-38-2	ARSENIC	6.18	J	0.0704	0.469	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-41-7	BERYLLIUM	0.574		0.0188	0.117	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-43-9	CADMIUM	0.233	J	0.0422	0.117	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-47-3	CHROMIUM	20.4	J	0.141	0.469	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-48-4	COBALT	5.89	J	0.0235	0.117	mg/kg	J		J	*#	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-50-8	COPPER	8.69	J	0.0774	0.469	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-62-2	VANADIUM	42.4	J	0.0258	0.117	mg/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	6020	1/3/2011	NA	3050B	DE050	16.4	2	7440-66-6	ZINC	70.9		0.657	3.52	mg/kg					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	7199	1/23/2011		3060A	DE050	16.4	1	18540-29-9	HEXAVALENT CHROMIUM	0.25	J	0.24	1.2	mg/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	7471A	12/28/2010	NA	METHOD	DE050	16.4	1	7439-97-6	MERCURY	0.114	U	0.0033	0.114	mg/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	1024-57-3	HEPTACHLOR EPOXIDE	0.2	U	0.041	0.20	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	1031-07-8	ENDOSULFAN SULFATE	0.41	U	0.27	0.41	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	2385-85-5	MIREX	0.41	U	0.13	0.41	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	309-00-2	ALDRIN	0.2	U	0.079	0.20	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	319-84-6	ALPHA-BHC	0.2	UJ	0.041	0.20	ug/kg	UJ	U	UJ	L	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	319-85-7	BETA-BHC	0.2	U	0.072	0.20	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	319-86-8	DELTA-BHC	0.2	U	0.043	0.20	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	33213-65-9	ENDOSULFAN II	0.41	U	0.079	0.41	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	50-29-3	4,4'-DDT	0.55	U	0.55	0.55	ug/kg		U			MDL	PQL	6344349.523	1907255.432

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	53494-70-5	ENDRIN KETONE	0.41	U	0.079	0.41	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	57-74-9	Chlordane	4.1	U	0.96	4.1	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	58-89-9	gamma-BHC (Lindane)	0.2	UJ	0.041	0.20	ug/kg	UJ	U	UJ	L	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	60-57-1	DIELDRIN	0.41	U	0.079	0.41	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	72-20-8	ENDRIN	0.41	U	0.079	0.41	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	72-43-5	METHOXYCHLOR	2	U	0.41	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	72-54-8	4,4'-DDD	0.41	U	0.079	0.41	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	72-55-9	4,4'-DDE	0.41	U	0.39	0.41	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	7421-93-4	ENDRIN ALDEHYDE	0.41	U	0.079	0.41	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	76-44-8	HEPTACHLOR	0.2	U	0.072	0.20	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	8001-35-2	TOXAPHENE	7.9	U	2.6	7.9	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8081A	1/26/2011		3550B	DE050	16.4	1	959-98-8	ENDOSULFAN I	0.2	U	0.057	0.20	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	11096-82-5	AROCLOR 1260	0.65	J	0.39	2.0	ug/kg	J	J	J	S, Q, L, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	11097-69-1	AROCLOR 1254	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	11100-14-4	Aroclor 1268	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	11104-28-2	AROCLOR 1221	2	U	0.60	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	11126-42-4	Aroclor 5460	1.3	J	1.2	3.9	ug/kg	J	J	J	S, L, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	11141-16-5	AROCLOR 1232	2	U	0.62	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	12642-23-8	Aroclor 5442	3.9	UJ	1.2	3.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	12672-29-6	AROCLOR 1248	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	12674-11-2	AROCLOR 1016	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	37324-23-5	Aroclor 1262	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	53469-21-9	AROCLOR 1242	2	U	0.60	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8082	1/6/2011		3550B	DE050	16.4	1	53496-31-1	Aroclor 5432	3.9	UJ	1.2	3.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8151A	1/7/2011		3550B	DE050	16.4	1	120-36-5	DICHLOROPROP	2	UJ	0.96	2.0	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8151A	1/7/2011		3550B	DE050	16.4	1	1918-00-9	DICAMBA	1.4	UJ	0.48	1.4	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8151A	1/7/2011		3550B	DE050	16.4	1	75-99-0	DALAPON	11	U	5.3	11	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8151A	1/7/2011		3550B	DE050	16.4	1	88-85-7	DINOSEB	2.9	R	0.96	2.9	ug/kg	R	U	R	L	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8151A	1/7/2011		3550B	DE050	16.4	1	93-65-2	MCPP	300	U	90	300	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8151A	1/7/2011		3550B	DE050	16.4	1	93-72-1	2,4,5-TP (Silvex)	0.2	UJ	0.090	0.20	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8151A	1/7/2011		3550B	DE050	16.4	1	93-76-5	2,4,5-T	0.2	U	0.098	0.20	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8151A	1/7/2011		3550B	DE050	16.4	1	94-74-6	MCPA	300	U	91	300	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8151A	1/7/2011		3550B	DE050	16.4	1	94-75-7	2,4-D	4.3	U	1.4	4.3	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8151A	1/7/2011		3550B	DE050	16.4	1	94-82-6	2,4-DB	3.7	U	3.7	3.7	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	100-01-6	4-NITROANILINE	200	U	80	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	100-02-7	4-NITROPHENOL	600	U	200	600	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	100-51-6	BENZYL ALCOHOL	600	U	200	600	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	105-67-9	2,4-DIMETHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	106-44-5	4-METHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	106-46-7	1,4-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	106-47-8	4-CHLOROANILINE	200	U	80	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	108-68-9	3,5-Dimethylphenol	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	108-95-2	PHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	45	J	20	400	ug/kg	J	J	J	FD, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	118-74-1	HEXACHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	120-82-1	1,2,4-TRICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	120-83-2	2,4-DICHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	121-14-2	2,4-DINITROTOLUENE	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	132-64-9	DIBENZOFURAN	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	51-28-5	2,4-DINITROPHENOL	2400	U	800	2400	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	600	U	200	600	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	541-73-1	1,3-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	59-50-7	4-CHLORO-3-METHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	606-20-2	2,6-DINITROTOLUENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	62-53-3	ANILINE	600	U	200	600	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	65-85-0	BENZOIC ACID	600	U	200	600	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	67-72-1	HEXACHLOROETHANE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	600	U	200	600	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	78-59-1	ISOPHORONE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	86-30-6	N-NITROSODIPHENYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	86-74-8	CARBAZOLE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	87-68-3	HEXACHLOROBUTADIENE	200	U	80	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	87-86-5	PENTACHLOROPHENOL	600	U	200	600	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	88-06-2	2,4,6-TRICHLOROPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	88-74-4	2-NITROANILINE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	88-75-5	2-NITROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	91-58-7	2-CHLORONAPHTHALENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	91-94-1	3,3'-DICHLOROBENZIDINE	400	U	120	400	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	92-87-5	BENZIDINE	4000	UJ	1400	4000	ug/kg	UJ	U	UJ	Q	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	95-48-7	2-METHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	95-50-1	1,2-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	95-57-8	2-CHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	95-95-4	2,4,5-TRICHLOROPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	98-95-3	NITROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C	1/18/2011		3550B	DE050	16.4	1	99-09-2	3-NITROANILINE	200	U	40	200	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	117-84-0	Di-n-octylphthalate	22	U	7.2	22	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	120-12-7	ANTHRACENE	2	U	0.40	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	129-00-0	PYRENE	1.3	J	0.80	2.0	ug/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	131-11-3	Dimethylphthalate	22	U	7.2	22	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	191-24-2	BENZO(G,H,I)PERYLENE	2	UJ	0.80	2.0	ug/kg	UJ	U	UJ	Q	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	205-99-2	BENZO(B)FLUORANTHENE	1.3	J	0.80	2.0	ug/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	206-44-0	FLUORANTHENE	1.1	J	0.80	2.0	ug/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	207-08-9	BENZO(K)FLUORANTHENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	208-96-8	ACENAPHTHYLENE	2	UJ	0.40	2.0	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	218-01-9	CHRYSENE	0.9	J	0.40	2.0	ug/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	50-32-8	BENZO(A)PYRENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	56-55-3	BENZO(A)ANTHRACENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	62-75-9	N-NITROSODIMETHYLAMINE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	83-32-9	ACENAPHTHENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	84-66-2	Diethylphthalate	22	U	7.2	22	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	84-74-2	Di-n-butylphthalate	22	U	7.2	22	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	85-01-8	PHENANTHRENE	0.93	J	0.80	2.0	ug/kg	J	J	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	85-68-7	Butylbenzylphthalate	22	U	7.2	22	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	86-73-7	FLUORENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	90-12-0	1-METHYLNAPHTHALENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	91-20-3	NAPHTHALENE	2.6	J	0.80	2.0	ug/kg	J		J	Q	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	8270C SIM	1/12/2011		3550B	DE050	16.4	1	91-57-6	2-METHYLNAPHTHALENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	9045M	12/27/2010		Gen Prep	DE050	16.4	1	pH	PH	6.51		0.0100	0.0100	pH unit					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172316	ASTM D1498	12/27/2010		Gen Prep	DE050	16.4	1	REDOX	Oxidation Reduction Potential	536		10.0	10.0	mv					MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	1746-01-6	2,3,7,8-TCDD	1.2	U	0.0480	1.20	ng/kg		U			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	19408-74-3	1,2,3,7,8,9-HXCDD	5.98	U	0.0422	5.98	ng/kg	U	JB	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	3268-87-9	OCDD	13.8		0.0410	12.0	ng/kg		B			MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	2.08	J	0.0438	5.98	ng/kg	J	JB	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	39001-02-0	OCDF	12	U	0.0444	12.0	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	39227-28-6	1,2,3,4,7,8-HxCDD	5.98	U	0.0421	5.98	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	40321-76-4	1,2,3,7,8-PECDD	5.98	U	0.0465	5.98	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	51207-31-9	2,3,7,8-TCDF	0.112	J	0.0642	1.20	ng/kg	J	JQ	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.98	U	0.0337	5.98	ng/kg	U	JB	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	57117-31-4	2,3,4,7,8-PECDF	5.98	U	0.0300	5.98	ng/kg	U	JB	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	57117-41-6	1,2,3,7,8-PECDF	5.98	U	0.0301	5.98	ng/kg	U	JB	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.98	U	0.0279	5.98	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.149	J	0.0432	5.98	ng/kg	J	JBQ	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	60851-34-5	2,3,4,6,7,8-HXCDF	5.98	U	0.0306	5.98	ng/kg	U	JB	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	0.578	J	0.0245	5.98	ng/kg	J	JB	J	Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.98	U	0.0312	5.98	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-002-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172363	1613B	1/29/2011		METHOD	DX033	16.4	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.98	U	0.0348	5.98	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344349.523	1907255.432
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	160.3M	1/6/2011		Gen Prep	DE046	26.1	1	MOIST	MOISTURE	26.1		0.50	0.50	%					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	300.0	1/14/2011		METHOD	DE046	26.1	1	16984-48-8	FLUORIDE	2.9	J	1.1	1.4	mg/kg	J		J	Q	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	314.0	1/12/2011		METHOD	DE046	26.1	1	14797-73-0	PERCHLORATE	40.6	U	12.2	40.6	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7440-31-5	TIN	12.9	U	1.29	12.9	mg/kg	U	J	U	B, Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7429-90-5	ALUMINUM	10400		6.48	25.8	mg/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7439-89-6	IRON	14800		6.07	25.8	mg/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7439-93-2	LITHIUM	20.3	J	0.28	2.6	mg/kg	J		J	*#	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7439-95-4	MAGNESIUM	3220		3.27	12.9	mg/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7439-96-5	MANGANESE	190		0.101	0.644	mg/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7440-09-7	POTASSIUM	2930		23.2	64.4	mg/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7440-23-5	SODIUM	99.8	J	48.1	129	mg/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7440-24-6	STRONTIUM	14.6	J	0.0799	0.644	mg/kg	J		J	*#	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7440-32-6	TITANIUM	856		0.490	1.29	mg/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7440-42-8	BORON	5.57	J	1.15	6.44	mg/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7440-67-7	Zirconium	1.21	J	1.08	6.44	mg/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7440-70-2	CALCIUM	2810		7.90	25.8	mg/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6010B	12/30/2010	NA	3050B	DE046	26.1	1	7723-14-0	PHOSPHORUS	378		0.722	12.9	mg/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/6/2011	NA	3050B	DE046	26.1	2	7782-49-2	SELENIUM	0.155	J	0.0531	0.531	mg/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7439-98-7	MOLYBDENUM	0.396	J	0.0663	0.133	mg/kg	J		J	E, Q	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-39-3	BARIUM	101	J	0.143	0.531	mg/kg	J		J	E, *#	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7439-92-1	LEAD	11	J	0.0138	0.265	mg/kg	J		J	E, *#	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-02-0	NICKEL	11.2	J	0.133	0.531	mg/kg	J		J	E, Q, *#	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-22-4	SILVER	0.0333	J	0.0159	0.133	mg/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-28-0	THALLIUM	0.291	J	0.0398	0.133	mg/kg	J		J	Q	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-36-0	ANTIMONY	0.265	UJ	0.0796	0.265	mg/kg	UJ	J	UJ	B, Q, Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-38-2	ARSENIC	8.91	J	0.0796	0.531	mg/kg	J		J	E, Q	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-41-7	BERYLLIUM	0.565		0.0212	0.133	mg/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-43-9	CADMIUM	0.164	J	0.0478	0.133	mg/kg	J		J	Q	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-47-3	CHROMIUM	17.3	J	0.159	0.531	mg/kg	J		J	E	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-48-4	COBALT	6.47	J	0.0265	0.133	mg/kg	J		J	E	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-50-8	COPPER	8.4	J	0.0876	0.531	mg/kg	J		J	E	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-62-2	VANADIUM	36.5	J	0.0292	0.133	mg/kg	J		J	E, Q, *#	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	6020	1/5/2011	NA	3050B	DE046	26.1	2	7440-66-6	ZINC	71.6	J	0.743	3.98	mg/kg	J		J	E, *#	MDL	PQL	6344801.091	1907465.272

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	7199	1/20/2011		3060A	DE046	26.1	1	18540-29-9	HEXAVALENT CHROMIUM	1.4	U	0.27	1.4	mg/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	7471A	12/28/2010	NA	METHOD	DE046	26.1	1	7439-97-6	MERCURY	0.0761	J	0.0037	0.128	mg/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	5	50-29-3	4,4'-DDT	11		0.45	2.3	ug/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	1024-57-3	HEPTACHLOR EPOXIDE	0.74	U	0.74	0.74	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	1031-07-8	ENDOSULFAN SULFATE	0.46	U	0.089	0.46	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	2385-85-5	MIREX	0.46	U	0.089	0.46	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	309-00-2	ALDRIN	0.22	U	0.089	0.22	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	319-84-6	ALPHA-BHC	0.22	U	0.046	0.22	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	319-85-7	BETA-BHC	0.22	U	0.081	0.22	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	319-86-8	DELTA-BHC	0.22	U	0.049	0.22	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	33213-65-9	ENDOSULFAN II	1.7	U	1.7	1.7	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	53494-70-5	ENDRIN KETONE	0.46	U	0.089	0.46	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	57-74-9	Chlordane	4.6	U	1.1	4.6	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	58-89-9	gamma-BHC (Lindane)	0.058	J	0.046	0.22	ug/kg	J	J	J	S, Z, *#	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	60-57-1	DIELDRIN	0.93	U	0.93	0.93	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	72-20-8	ENDRIN	1.2	J	0.089	0.46	ug/kg	J		J	S, *#	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	72-43-5	METHOXYCHLOR	2.2	U	0.46	2.2	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	72-54-8	4,4'-DDD	0.46	U	0.22	0.46	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	72-55-9	4,4'-DDE	2.7	U	2.7	2.7	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	7421-93-4	ENDRIN ALDEHYDE	0.8	U	0.80	0.80	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	76-44-8	HEPTACHLOR	0.22	U	0.081	0.22	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	8001-35-2	TOXAPHENE	8.9	U	3.0	8.9	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8081A	1/14/2011		3550B	DE046	26.1	1	959-98-8	ENDOSULFAN I	0.22	U	0.060	0.22	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	11096-82-5	AROCLOR 1260	45		2.2	12	ug/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	11097-69-1	AROCLOR 1254	63		2.2	12	ug/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	11100-14-4	Aroclor 1268	12	U	2.2	12	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	11104-28-2	AROCLOR 1221	12	U	3.4	12	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	11126-42-4	Aroclor 5460	22	UJ	6.8	22	ug/kg	UJ	U	UJ	L	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	11141-16-5	AROCLOR 1232	12	U	3.5	12	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	12642-23-8	Aroclor 5442	22	UJ	6.8	22	ug/kg	UJ	U	UJ	L	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	12672-29-6	AROCLOR 1248	12	U	2.2	12	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	12674-11-2	AROCLOR 1016	12	U	2.2	12	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	37324-23-5	Aroclor 1262	12	U	2.2	12	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	53469-21-9	AROCLOR 1242	12	U	3.4	12	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8082	12/31/2010		3550B	DE046	26.1	5	63496-31-1	Aroclor 5432	22	UJ	6.8	22	ug/kg	UJ	U	UJ	L	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8151A	1/6/2011		3550B	DE046	26.1	1	120-36-5	DICHLOROPROP	2.3	U	1.1	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8151A	1/6/2011		3550B	DE046	26.1	1	1918-00-9	DICAMBA	1.6	U	0.54	1.6	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8151A	1/6/2011		3550B	DE046	26.1	1	75-99-0	DALAPON	12	UJ	6.0	12	ug/kg	UJ	U	UJ	C	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8151A	1/6/2011		3550B	DE046	26.1	1	88-85-7	DINOSEB	3.2	UJ	1.1	3.2	ug/kg	UJ	U	UJ	C	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8151A	1/6/2011		3550B	DE046	26.1	1	93-65-2	MCPP	220	J	100	340	ug/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8151A	1/6/2011		3550B	DE046	26.1	1	93-72-1	2,4,5-TP (Silvex)	0.23	U	0.10	0.23	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8151A	1/6/2011		3550B	DE046	26.1	1	93-76-5	2,4,5-T	0.23	U	0.11	0.23	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8151A	1/6/2011		3550B	DE046	26.1	1	94-74-6	MCPA	340	J	100	340	ug/kg	J	J	J	*#	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8151A	1/6/2011		3550B	DE046	26.1	1	94-75-7	2,4-D	4.9	UJ	1.6	4.9	ug/kg	UJ	U	UJ	C	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8151A	1/6/2011		3550B	DE046	26.1	1	94-82-6	2,4-DB	2.3	U	0.92	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	100-01-6	4-NITROANILINE	230	U	90	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	100-02-7	4-NITROPHENOL	680	U	230	680	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	100-51-6	BENZYL ALCOHOL	680	U	230	680	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	105-67-9	2,4-DIMETHYLPHENOL	230	U	45	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	106-44-5	4-METHYLPHENOL	230	U	45	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	106-46-7	1,4-DICHLOROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	106-47-8	4-CHLOROANILINE	230	U	90	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	108-68-9	3,5-Dimethylphenol	230	U	45	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	108-95-2	PHENOL	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	118-74-1	HEXACHLOROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	120-82-1	1,2,4-TRICHLOROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	120-83-2	2,4-DICHLOROPHENOL	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	121-14-2	2,4-DINITROTOLUENE	230	U	45	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	132-64-9	DIBENZOFURAN	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	51-28-5	2,4-DINITROPHENOL	2700	U	900	2700	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	680	U	230	680	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	541-73-1	1,3-DICHLOROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	59-50-7	4-CHLORO-3-METHYLPHENOL	230	U	45	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	606-20-2	2,6-DINITROTOLUENE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	62-53-3	ANILINE	680	U	230	680	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	65-85-0	BENZOIC ACID	680	U	230	680	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	67-72-1	HEXACHLOROETHANE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	230	U	45	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	680	U	230	680	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	78-59-1	ISOPHORONE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	86-30-6	N-NITROSODIPHENYLAMINE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	86-74-8	CARBAZOLE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	87-68-3	HEXACHLOROBUTADIENE	230	U	90	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	87-86-5	PENTACHLOROPHENOL	680	U	230	680	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	88-06-2	2,4,6-TRICHLOROPHENOL	230	U	45	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	88-74-4	2-NITROANILINE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	88-75-5	2-NITROPHENOL	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	91-58-7	2-CHLORONAPHTHALENE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	91-94-1	3,3'-DICHLOROBENZIDINE	450	U	140	450	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	92-87-5	BENZIDINE	4500	U	1600	4500	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	95-48-7	2-METHYLPHENOL	230	U	45	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	95-50-1	1,2-DICHLOROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	95-57-8	2-CHLOROPHENOL	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	95-95-4	2,4,5-TRICHLOROPHENOL	230	U	45	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	98-95-3	NITROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C	1/18/2011		3550B	DE046	26.1	1	99-09-2	3-NITROANILINE	230	U	45	230	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	38		8.1	24	ug/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	117-84-0	Di-n-octylphthalate	24	U	8.1	24	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	120-12-7	ANTHRACENE	2.3	U	0.45	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	129-00-0	PYRENE	1.3	J	0.90	2.3	ug/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	131-11-3	Dimethylphthalate	24	U	8.1	24	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	191-24-2	BENZO(G,H,I)PERYLENE	1	J	0.90	2.3	ug/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2.3	U	0.90	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	205-99-2	BENZO(B)FLUORANTHENE	1.9	J	0.90	2.3	ug/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	206-44-0	FLUORANTHENE	1.5	J	0.90	2.3	ug/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	207-08-9	BENZO(K)FLUORANTHENE	2.3	U	0.90	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	208-96-8	ACENAPHTHYLENE	2.3	U	0.45	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	218-01-9	CHRYSENE	7.1		0.45	2.3	ug/kg					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	50-32-8	BENZO(A)PYRENE	2.3	U	0.90	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.3	U	0.90	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	56-55-3	BENZO(A)ANTHRACENE	2.3	U	0.90	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	62-75-9	N-NITROSODIMETHYLAMINE	2.3	U	0.90	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	83-32-9	ACENAPHTHENE	2.3	U	0.90	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	84-66-2	Diethylphthalate	24	U	8.1	24	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	84-74-2	Di-n-butylphthalate	24	U	8.1	24	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	85-01-8	PHENANTHRENE	1.3	J	0.90	2.3	ug/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	85-68-7	Butylbenzylphthalate	17	J	8.1	24	ug/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	86-73-7	FLUORENE	2.3	U	0.90	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	90-12-0	1-METHYLNAPHTHALENE	2.3	U	0.90	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	91-20-3	NAPHTHALENE	0.91	J	0.90	2.3	ug/kg	J	J	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	8270C SIM	1/11/2011		3550B	DE046	26.1	1	91-57-6	2-METHYLNAPHTHALENE	2.3	U	0.90	2.3	ug/kg		U			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	9045M	12/27/2010		Gen Prep	DE046	26.1	1	pH	PH	7.06		0.0100	0.0100	pH unit					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172037	ASTM D1498	12/27/2010		Gen Prep	DE046	26.1	1	REDOX	Oxidation Reduction Potential	344		10.0	10.0	mv					MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	1746-01-6	2,3,7,8-TCDD	0.108	J	0.0541	1.35	ng/kg	J	JQ	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	19408-74-3	1,2,3,7,8,9-HXCDD	6.77	U	0.0752	6.77	ng/kg	U	JB	U	B, Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	3268-87-9	OCDD	223		0.0706	13.5	ng/kg		B			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	22.1		0.0862	6.77	ng/kg		B			MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	39001-02-0	OCDF	8.23	J	0.0748	13.5	ng/kg	J	JB	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	39227-28-6	1,2,3,4,7,8-HxCDD	6.77	U	0.0760	6.77	ng/kg	U	JB	U	B, Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	40321-76-4	1,2,3,7,8-PECDD	6.77	U	0.0816	6.77	ng/kg	U	JB	U	B, Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	51207-31-9	2,3,7,8-TCDF	0.719	J	0.124	1.35	ng/kg	J	JQ	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	6.77	U	0.0502	6.77	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	57117-31-4	2,3,4,7,8-PECDF	6.77	U	0.0490	6.77	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	57117-41-6	1,2,3,7,8-PECDF	1.98	J	0.0510	6.77	ng/kg	J	JB	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	57117-44-9	1,2,3,6,7,8-HXCDF	6.77	U	0.0486	6.77	ng/kg	U	JB	U	B, Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	57653-85-7	1,2,3,6,7,8-HXCDD	1.06	J	0.0809	6.77	ng/kg	J	JB	J	Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	60851-34-5	2,3,4,6,7,8-HXCDF	6.77	U	0.0522	6.77	ng/kg	U	JB	U	B, Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	6.77	U	0.0299	6.77	ng/kg	U	JB	U	B, Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	70648-26-9	1,2,3,4,7,8-HXCDF	6.77	U	0.0536	6.77	ng/kg	U	JB	U	B, Z	MDL	PQL	6344801.091	1907465.272
SED-003-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172047	1613B	1/28/2011		METHOD	DX029	26.1	1	72918-21-9	1,2,3,7,8,9-HXCDF	6.77	U	0.0609	6.77	ng/kg	U	JB	U	B, Z	MDL	PQL	6344801.091	1907465.272
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	60-57-1	DIELDRIN	0.42	R	0.082	0.42	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	72-20-8	ENDRIN	0.42	R	0.082	0.42	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	72-43-5	METHOXYCHLOR	2.1	R	0.42	2.1	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	72-54-8	4,4'-DDD	0.42	R	0.082	0.42	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	72-55-9	4,4'-DDE	0.42	R	0.082	0.42	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	7421-93-4	ENDRIN ALDEHYDE	0.42	R	0.082	0.42	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	76-44-8	HEPTACHLOR	0.21	R	0.074	0.21	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	8001-35-2	TOXAPHENE	8.2	R	2.7	8.2	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	959-98-8	ENDOSULFAN I	0.21	R	0.054	0.21	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	11096-82-5	AROCLOR 1260	2.1		0.41	2.1	ug/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	11097-69-1	AROCLOR 1254	3.2		0.41	2.1	ug/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	11100-14-4	Aroclor 1268	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	11104-28-2	AROCLOR 1221	2.1	U	0.62	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	11126-42-4	Aroclor 5460	4.1	UJ	1.2	4.1	ug/kg	UJ	U	UJ	L	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	11141-16-5	AROCLOR 1232	2.1	U	0.64	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	12642-23-8	Aroclor 5442	4.1	UJ	1.2	4.1	ug/kg	UJ	U	UJ	L	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	12672-29-6	AROCLOR 1248	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	12674-11-2	AROCLOR 1016	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	37324-23-5	Aroclor 1262	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	53469-21-9	AROCLOR 1242	2.1	U	0.62	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8082	1/6/2011		3550B	DE045	19.2	1	63496-31-1	Aroclor 5432	4.1	UJ	1.2	4.1	ug/kg	UJ	U	UJ	L	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8151A	1/1/2011		3550B	DE045	19.2	1	120-36-5	DICHLOROPROP	2.1	U	0.99	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8151A	1/1/2011		3550B	DE045	19.2	1	1918-00-9	DICAMBA	1.5	U	0.50	1.5	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8151A	1/1/2011		3550B	DE045	19.2	1	75-99-0	DALAPON	11	U	5.4	11	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8151A	1/1/2011		3550B	DE045	19.2	1	88-85-7	DINOSEB	3	R	0.99	3.0	ug/kg	R	U	R	L	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8151A	1/1/2011		3550B	DE045	19.2	1	93-65-2	MCPP	310	U	93	310	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8151A	1/1/2011		3550B	DE045	19.2	1	93-72-1	2,4,5-TP (Silvex)	0.21	U	0.093	0.21	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8151A	1/1/2011		3550B	DE045	19.2	1	93-76-5	2,4,5-T	0.21	U	0.10	0.21	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8151A	1/1/2011		3550B	DE045	19.2	1	94-74-6	MCPA	310	U	94	310	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8151A	1/1/2011		3550B	DE045	19.2	1	94-75-7	2,4-D	4.5	U	1.5	4.5	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8151A	1/1/2011		3550B	DE045	19.2	1	94-82-6	2,4-DB	2.1	U	0.77	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	100-01-6	4-NITROANILINE	210	U	83	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	100-02-7	4-NITROPHENOL	620	U	210	620	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	100-51-6	BENZYL ALCOHOL	620	U	210	620	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	105-67-9	2,4-DIMETHYLPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	106-44-5	4-METHYLPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	106-46-7	1,4-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	106-47-8	4-CHLOROANILINE	210	U	83	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	108-68-9	3,5-Dimethylphenol	210	U	41	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	108-95-2	PHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	118-74-1	HEXACHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	120-82-1	1,2,4-TRICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	120-83-2	2,4-DICHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	121-14-2	2,4-DINITROTOLUENE	210	U	41	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	132-64-9	DIBENZOFURAN	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	51-28-5	2,4-DINITROPHENOL	2500	U	830	2500	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	620	U	210	620	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	541-73-1	1,3-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	59-50-7	4-CHLORO-3-METHYLPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	606-20-2	2,6-DINITROTOLUENE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	62-53-3	ANILINE	620	U	210	620	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	65-85-0	BENZOIC ACID	620	U	210	620	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	67-72-1	HEXACHLOROETHANE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	210	U	41	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	620	U	210	620	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	78-59-1	ISOPHORONE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	86-30-6	N-NITROSODIPHENYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	86-74-8	CARBAZOLE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	87-68-3	HEXACHLOROBUTADIENE	210	U	83	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	87-86-5	PENTACHLOROPHENOL	620	U	210	620	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	88-06-2	2,4,6-TRICHLOROPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	88-74-4	2-NITROANILINE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	88-75-5	2-NITROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	91-58-7	2-CHLORONAPHTHALENE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	91-94-1	3,3'-DICHLOROBENZIDINE	410	U	120	410	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	92-87-5	BENZIDINE	4100	U	1400	4100	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	95-48-7	2-METHYLPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	95-50-1	1,2-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	95-57-8	2-CHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	95-95-4	2,4,5-TRICHLOROPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	98-95-3	NITROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C	1/18/2011		3550B	DE045	19.2	1	99-09-2	3-NITROANILINE	210	U	41	210	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	8.2	J	7.4	22	ug/kg	J	J	J	Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	117-84-0	Di-n-octylphthalate	22	U	7.4	22	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	120-12-7	ANTHRACENE	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	129-00-0	PYRENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	131-11-3	Dimethylphthalate	22	U	7.4	22	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	191-24-2	BENZO(G,H,I)PERYLENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	205-99-2	BENZO(B)FLUORANTHENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	206-44-0	FLUORANTHENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	207-08-9	BENZO(K)FLUORANTHENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	208-96-8	ACENAPHTHYLENE	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	218-01-9	CHRYSENE	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	50-32-8	BENZO(A)PYRENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	56-55-3	BENZO(A)ANTHRACENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	62-75-9	N-NITROSODIMETHYLAMINE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	83-32-9	ACENAPHTHENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	84-66-2	Diethylphthalate	22	U	7.4	22	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	84-74-2	Di-n-butylphthalate	22	U	7.4	22	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	85-01-8	PHENANTHRENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	85-68-7	Butylbenzylphthalate	22	U	7.4	22	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	86-73-7	FLUORENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	90-12-0	1-METHYLNAPHTHALENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	91-20-3	NAPHTHALENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8270C SIM	1/11/2011		3550B	DE045	19.2	1	91-57-6	2-METHYLNAPHTHALENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	9045M	12/21/2010		Gen Prep	DE045	19.2	1	pH	PH	7.88		0.0100	0.0100	pH unit					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	ASTM D1498	12/21/2010		Gen Prep	DE045	19.2	1	REDOX	Oxidation Reduction Potential	471		10.0	10.0	mv					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	160.3M	12/20/2010		Gen Prep	DE045	19.2	1	MOIST	MOISTURE	19.2		0.50	0.50	%					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	300.0	1/11/2011		METHOD	DE045	19.2	1	16984-48-8	FLUORIDE	1.3		0.99	1.2	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	314.0	1/11/2011		METHOD	DE045	19.2	1	14797-73-0	PERCHLORATE	37.1	U	11.1	37.1	ug/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7429-90-5	ALUMINUM	27300		6.23	24.8	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7439-89-6	IRON	32800		5.83	24.8	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7439-93-2	LITHIUM	34.3		0.27	2.5	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7439-95-4	MAGNESIUM	9100		3.14	12.4	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7439-96-5	MANGANESE	398		0.0965	0.619	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7440-09-7	POTASSIUM	6980		22.3	61.9	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7440-23-5	SODIUM	155		46.2	124	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7440-24-6	STRONTIUM	67.1		0.0767	0.619	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7440-31-5	TIN	12.4	U	1.24	12.4	mg/kg	U	J	U	B, Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7440-32-6	TITANIUM	1550		0.470	1.24	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7440-42-8	BORON	15.7		1.10	6.19	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7440-67-7	Zirconium	6.96		1.04	6.19	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7440-70-2	CALCIUM	31400		7.59	24.8	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6010B	12/30/2010	NA	3050B	DE045	19.2	1	7723-14-0	PHOSPHORUS	641		0.693	12.4	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7439-92-1	LEAD	12.9	J	0.0125	0.240	mg/kg	J		J	Q	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-02-0	NICKEL	21.8	J	0.120	0.481	mg/kg	J		J	Q, *#	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-22-4	SILVER	0.0368	J	0.0144	0.120	mg/kg	J	J	J	Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-28-0	THALLIUM	0.454		0.0360	0.120	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-36-0	ANTIMONY	0.113	J	0.0721	0.240	mg/kg	J	J	J	Q, Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-38-2	ARSENIC	8.81	J	0.0721	0.481	mg/kg	J		J	Q	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-41-7	BERYLLIUM	0.797		0.0192	0.120	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-43-9	CADMIUM	0.371	J	0.0433	0.120	mg/kg	J		J	Q	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-47-3	CHROMIUM	43.6	J	0.144	0.481	mg/kg	J		J	Q	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-48-4	COBALT	11.6	J	0.0240	0.120	mg/kg	J		J	*#	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-50-8	COPPER	17.8	J	0.0793	0.481	mg/kg	J		J	Q	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-62-2	VANADIUM	83.9	J	0.0264	0.120	mg/kg	J		J	Q	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-66-6	ZINC	113		0.673	3.60	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7782-49-2	SELENIUM	0.517		0.0481	0.481	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7439-98-7	MOLYBDENUM	0.614	J	0.0601	0.120	mg/kg	J		J	Q	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	6020	1/3/2011	NA	3050B	DE045	19.2	2	7440-39-3	BARIUM	147		0.130	0.481	mg/kg					MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	7199	1/20/2011		3060A	DE045	19.2	1	18540-29-9	HEXAVALENT CHROMIUM	0.37	J	0.25	1.2	mg/kg	J	J	J	Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	7471A	12/28/2010	NA	METHOD	DE045	19.2	1	7439-97-6	MERCURY	0.0343	J	0.0033	0.114	mg/kg	J	J	J	Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	1024-57-3	HEPTACHLOR EPOXIDE	0.21	R	0.042	0.21	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	1031-07-8	ENDOSULFAN SULFATE	0.42	R	0.082	0.42	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	2385-85-5	MIREX	0.42	R	0.082	0.42	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	309-00-2	ALDRIN	0.21	R	0.082	0.21	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	319-84-6	ALPHA-BHC	0.21	R	0.042	0.21	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	319-85-7	BETA-BHC	0.21	R	0.074	0.21	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	319-86-8	DELTA-BHC	0.21	R	0.045	0.21	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	33213-65-9	ENDOSULFAN II	0.42	R	0.14	0.42	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	50-29-3	4,4'-DDT	0.42	R	0.082	0.42	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	53494-70-5	ENDRIN KETONE	0.42	R	0.082	0.42	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	57-74-9	Chlordane	4.2	R	0.99	4.2	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169023	8081A	1/8/2011		3550B	DE045	19.2	1	58-89-9	gamma-BHC (Lindane)	0.21	R	0.042	0.21	ug/kg	R	U	R	S	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	1746-01-6	2,3,7,8-TCDD	1.24	U	0.0360	1.24	ng/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	19408-74-3	1,2,3,7,8,9-HXCDD	6.19	U	0.0725	6.19	ng/kg	U	JB	U	B, Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	3268-87-9	OCDD	240		0.0682	12.4	ng/kg		B			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	21.9		0.0610	6.19	ng/kg		B			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	39001-02-0	OCDF	52.6		0.0569	12.4	ng/kg		B			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	39227-28-6	1,2,3,4,7,8-HxCDD	6.19	U	0.0691	6.19	ng/kg	U	JB	U	B, Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	40321-76-4	1,2,3,7,8-PECDD	6.19	U	0.0458	6.19	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	51207-31-9	2,3,7,8-TCDF	1.24	U	0.0552	1.24	ng/kg		U			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	6.19	U	0.0632	6.19	ng/kg	U	JB	U	B, Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	57117-31-4	2,3,4,7,8-PECDF	6.19	U	0.0295	6.19	ng/kg	U	JB	U	B, Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	57117-41-6	1,2,3,7,8-PECDF	6.19	U	0.0295	6.19	ng/kg	U	JB	U	B, Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	57117-44-9	1,2,3,6,7,8-HXCDF	6.19	U	0.0485	6.19	ng/kg	U	JB	U	B, Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.85	J	0.0715	6.19	ng/kg	J	JB	J	Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	60851-34-5	2,3,4,6,7,8-HXCDF	6.19	U	0.0548	6.19	ng/kg	U	JB	U	B, Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	17.4		0.0458	6.19	ng/kg		B			MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	70648-26-9	1,2,3,4,7,8-HXCDF	6.19	U	0.0557	6.19	ng/kg	U	JB	U	B, Z	MDL	PQL	6344733.517	1906955.867
SED-004-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169038	1613B	1/28/2011		METHOD	DX029	19.2	1	72918-21-9	1,2,3,7,8,9-HXCDF	6.19	U	0.0624	6.19	ng/kg	U	JB	U	B, Z	MDL	PQL	6344733.517	1906955.867
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	160.3M	1/6/2011		Gen Prep	DE046	19.1	1	MOIST	MOISTURE	19.1		0.50	0.50	%					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	300.0	1/14/2011		METHOD	DE046	19.1	1	16984-48-8	FLUORIDE	2.6	J	0.99	1.2	mg/kg	J		J	Q	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	314.0	1/12/2011		METHOD	DE046	19.1	1	14797-73-0	PERCHLORATE	37.1	U	11.1	37.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7440-31-5	TIN	12	U	1.20	12.0	mg/kg	U	J	U	B, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7429-90-5	ALUMINUM	15200		6.04	24.0	mg/kg					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7439-89-6	IRON	19200		5.65	24.0	mg/kg					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7439-93-2	LITHIUM	22.6	J	0.26	2.4	mg/kg	J		J	*#	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7439-95-4	MAGNESIUM	4420		3.05	12.0	mg/kg					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7439-96-5	MANGANESE	287		0.0936	0.600	mg/kg					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7440-09-7	POTASSIUM	3360		21.6	60.0	mg/kg					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7440-23-5	SODIUM	75.7	J	44.8	120	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7440-24-6	STRONTIUM	15.8	J	0.0744	0.600	mg/kg	J		J	*#	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7440-32-6	TITANIUM	1140		0.456	1.20	mg/kg					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7440-42-8	BORON	4.11	J	1.07	6.00	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7440-67-7	Zirconium	6	UJ	1.01	6.00	mg/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7440-70-2	CALCIUM	2560		7.36	24.0	mg/kg					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6010B	12/30/2010	NA	3050B	DE046	19.1	1	7723-14-0	PHOSPHORUS	451		0.672	12.0	mg/kg					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/6/2011	NA	3050B	DE046	19.1	2	7782-49-2	SELENIUM	0.199	J	0.0480	0.480	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7439-98-7	MOLYBDENUM	0.819	J	0.0600	0.120	mg/kg	J		J	E, Q	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-39-3	BARIUM	113	J	0.130	0.480	mg/kg	J		J	E, *#	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7439-92-1	LEAD	16.5	J	0.0125	0.240	mg/kg	J		J	E, *#	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-02-0	NICKEL	17.6	J	0.120	0.480	mg/kg	J		J	E, Q, *#	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-22-4	SILVER	0.0489	J	0.0144	0.120	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-28-0	THALLIUM	0.358	J	0.0360	0.120	mg/kg	J		J	Q	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-36-0	ANTIMONY	0.24	UJ	0.0720	0.240	mg/kg	UJ	J	UJ	B, Q, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-38-2	ARSENIC	5.63	J	0.0720	0.480	mg/kg	J		J	E, Q	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-41-7	BERYLLIUM	0.649		0.0192	0.120	mg/kg					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-43-9	CADMIUM	0.224	J	0.0432	0.120	mg/kg	J		J	Q	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-47-3	CHROMIUM	25.3	J	0.144	0.480	mg/kg	J		J	E	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-48-4	COBALT	6.97	J	0.0240	0.120	mg/kg	J		J	E	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-50-8	COPPER	11	J	0.0792	0.480	mg/kg	J		J	E	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-62-2	VANADIUM	43.7	J	0.0264	0.120	mg/kg	J		J	E, Q, *#	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	6020	1/5/2011	NA	3050B	DE046	19.1	2	7440-66-6	ZINC	82.4	J	0.672	3.60	mg/kg	J		J	E, *#	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	7199	1/20/2011		3060A	DE046	19.1	1	18540-29-9	HEXAVALENT CHROMIUM	0.6	J	0.25	1.2	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	7471A	12/28/2010	NA	METHOD	DE046	19.1	1	7439-97-6	MERCURY	0.0309	J	0.0035	0.120	mg/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	1024-57-3	HEPTACHLOR EPOXIDE	0.21	UJ	0.10	0.21	ug/kg	UJ	U	UJ	FD, S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	1031-07-8	ENDOSULFAN SULFATE	0.42	UJ	0.082	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	2385-85-5	MIREX	0.42	UJ	0.10	0.42	ug/kg	UJ	U	UJ	FD, S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	309-00-2	ALDRIN	0.21	UJ	0.082	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	319-84-6	ALPHA-BHC	0.21	UJ	0.042	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	319-85-7	BETA-BHC	0.21	UJ	0.074	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	319-86-8	DELTA-BHC	0.21	UJ	0.044	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	33213-65-9	ENDOSULFAN II	0.42	UJ	0.15	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	50-29-3	4,4'-DDT	0.83	UJ	0.83	0.83	ug/kg	UJ	U	UJ	FD, S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	53494-70-5	ENDRIN KETONE	0.42	UJ	0.082	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	57-74-9	Chlordane	4.2	UJ	3.3	4.2	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	58-89-9	gamma-BHC (Lindane)	0.21	UJ	0.042	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	60-57-1	DIELDRIN	0.42	UJ	0.082	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	72-20-8	ENDRIN	0.42	UJ	0.091	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	72-43-5	METHOXYCHLOR	2.1	UJ	0.42	2.1	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	72-54-8	4,4'-DDD	0.42	UJ	0.082	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	72-55-9	4,4'-DDE	0.53	UJ	0.53	0.53	ug/kg	UJ	U	UJ	FD, S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	7421-93-4	ENDRIN ALDEHYDE	0.42	UJ	0.19	0.42	ug/kg	UJ	U	UJ	FD, S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	76-44-8	HEPTACHLOR	0.21	UJ	0.074	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	8001-35-2	TOXAPHENE	8.2	UJ	2.7	8.2	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8081A	1/14/2011		3550B	DE046	19.1	1	959-98-8	ENDOSULFAN I	0.21	UJ	0.054	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	11096-82-5	AROCLOR 1260	4.2	J	0.82	4.2	ug/kg	J	J	J	FD, S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	11097-69-1	AROCLOR 1254	12	J	0.82	4.2	ug/kg	J		J	FD, S	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	11100-14-4	Aroclor 1268	4.2	U	0.82	4.2	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	11104-28-2	AROCLOR 1221	4.2	U	1.2	4.2	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	11126-42-4	Aroclor 5460	8	J	2.5	8.2	ug/kg	J	J	J	FD, S, L, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	11141-16-5	AROCLOR 1232	4.2	U	1.3	4.2	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	12642-23-8	Aroclor 5442	8.2	UJ	2.5	8.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	12672-29-6	AROCLOR 1248	4.2	U	0.82	4.2	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	12674-11-2	AROCLOR 1016	4.2	U	0.82	4.2	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	37324-23-5	Aroclor 1262	4.2	U	0.82	4.2	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	53469-21-9	AROCLOR 1242	4.2	U	1.2	4.2	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8082	12/31/2010		3550B	DE046	19.1	2	63496-31-1	Aroclor 5432	8.2	UJ	2.5	8.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8151A	1/6/2011		3550B	DE046	19.1	1	120-36-5	DICHLOROPROP	2.1	U	0.99	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8151A	1/6/2011		3550B	DE046	19.1	1	1918-00-9	DICAMBA	1.5	U	0.49	1.5	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8151A	1/6/2011		3550B	DE046	19.1	1	75-99-0	DALAPON	11	UJ	5.4	11	ug/kg	UJ	U	UJ	C	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8151A	1/6/2011		3550B	DE046	19.1	1	88-85-7	DINOSEB	3	UJ	0.99	3.0	ug/kg	UJ	U	UJ	C	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8151A	1/6/2011		3550B	DE046	19.1	1	93-65-2	MCPP	310	U	93	310	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8151A	1/6/2011		3550B	DE046	19.1	1	93-72-1	2,4,5-TP (Silvex)	0.21	UJ	0.093	0.21	ug/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8151A	1/6/2011		3550B	DE046	19.1	1	93-76-5	2,4,5-T	0.21	U	0.10	0.21	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8151A	1/6/2011		3550B	DE046	19.1	1	94-74-6	MCPA	310	U	94	310	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8151A	1/6/2011		3550B	DE046	19.1	1	94-75-7	2,4-D	4.4	UJ	1.5	4.4	ug/kg	UJ	U	UJ	C	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8151A	1/6/2011		3550B	DE046	19.1	1	94-82-6	2,4-DB	4.6	U	4.6	4.6	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	100-01-6	4-NITROANILINE	210	U	82	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	100-02-7	4-NITROPHENOL	620	U	210	620	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	100-51-6	BENZYL ALCOHOL	620	U	210	620	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	105-67-9	2,4-DIMETHYLPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	106-44-5	4-METHYLPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	106-46-7	1,4-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	106-47-8	4-CHLOROANILINE	210	U	82	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	108-68-9	3,5-Dimethylphenol	210	U	41	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	108-95-2	PHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	23	J	21	410	ug/kg	J	J	J	Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	118-74-1	HEXACHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	120-82-1	1,2,4-TRICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	120-83-2	2,4-DICHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	121-14-2	2,4-DINITROTOLUENE	210	U	41	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	132-64-9	DIBENZOFURAN	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	51-28-5	2,4-DINITROPHENOL	2500	U	820	2500	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	620	U	210	620	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	541-73-1	1,3-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	59-50-7	4-CHLORO-3-METHYLPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	606-20-2	2,6-DINITROTOLUENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	62-53-3	ANILINE	620	U	210	620	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	65-85-0	BENZOIC ACID	620	U	210	620	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	67-72-1	HEXACHLOROETHANE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	210	U	41	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	620	U	210	620	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	78-59-1	ISOPHORONE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	86-30-6	N-NITROSODIPHENYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	86-74-8	CARBAZOLE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	87-68-3	HEXACHLOROBUTADIENE	210	U	82	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	87-86-5	PENTACHLOROPHENOL	620	U	210	620	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	88-06-2	2,4,6-TRICHLOROPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	88-74-4	2-NITROANILINE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	88-75-5	2-NITROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	91-58-7	2-CHLORONAPHTHALENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	91-94-1	3,3'-DICHLOROBENZIDINE	410	U	120	410	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	92-87-5	BENZIDINE	4100	UJ	1400	4100	ug/kg	UJ	U	UJ	Q	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	95-48-7	2-METHYLPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	95-50-1	1,2-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	95-57-8	2-CHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	95-95-4	2,4,5-TRICHLOROPHENOL	210	U	41	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	98-95-3	NITROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C	1/18/2011		3550B	DE046	19.1	1	99-09-2	3-NITROANILINE	210	U	41	210	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	117-84-0	Di-n-octylphthalate	15	J	7.4	22	ug/kg	J	J	J	FD, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	120-12-7	ANTHRACENE	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	129-00-0	PYRENE	2.1	J	0.82	2.1	ug/kg	J		J	FD	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	131-11-3	Dimethylphthalate	22	U	7.4	22	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	191-24-2	BENZO(G,H,I)PERYLENE	1.9	J	0.82	2.1	ug/kg	J	J	J	FD, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.4	J	0.82	2.1	ug/kg	J	J	J	FD, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	205-99-2	BENZO(B)FLUORANTHENE	2.6	J	0.82	2.1	ug/kg	J		J	FD, C	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	206-44-0	FLUORANTHENE	2.6	J	0.82	2.1	ug/kg	J		J	FD	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	207-08-9	BENZO(K)FLUORANTHENE	0.84	J	0.82	2.1	ug/kg	J	J	J	FD, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	208-96-8	ACENAPHTHYLENE	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	218-01-9	CHRYSENE	2.6	J	0.41	2.1	ug/kg	J		J	FD	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	50-32-8	BENZO(A)PYRENE	1.2	J	0.82	2.1	ug/kg	J	J	J	FD, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.1	U	0.82	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	56-55-3	BENZO(A)ANTHRACENE	2.1	U	0.82	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	62-75-9	N-NITROSODIMETHYLAMINE	2.1	UJ	0.82	2.1	ug/kg	UJ	U	UJ	Q	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	83-32-9	ACENAPHTHENE	2.1	U	0.82	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	84-66-2	Diethylphthalate	22	U	7.4	22	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	84-74-2	Di-n-butylphthalate	22	U	7.4	22	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	85-01-8	PHENANTHRENE	1.6	J	0.82	2.1	ug/kg	J	J	J	FD, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	85-68-7	Butylbenzylphthalate	22	U	7.4	22	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	86-73-7	FLUORENE	2.1	U	0.82	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	90-12-0	1-METHYLNAPHTHALENE	2.1	U	0.82	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	91-20-3	NAPHTHALENE	2.1	U	0.82	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	8270C SIM	1/10/2011		3550B	DE046	19.1	1	91-57-6	2-METHYLNAPHTHALENE	2.1	U	0.82	2.1	ug/kg		U			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	9045M	12/27/2010		Gen Prep	DE046	19.1	1	pH	PH	6.64		0.0100	0.0100	pH unit					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172038	ASTM D1498	12/27/2010		Gen Prep	DE046	19.1	1	REDOX	Oxidation Reduction Potential	434		10.0	10.0	mv					MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	2/6/2011		METHOD	DX029	19.1	1	51207-31-9	2,3,7,8-TCDF	4.24		0.0488	1.24	ng/kg		B		Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	1746-01-6	2,3,7,8-TCDD	1.24	UJ	0.0511	1.24	ng/kg	UJ	U	UJ	FD	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.99	J	0.0604	6.18	ng/kg	J	JB	J	Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	3268-87-9	OCDD	62.3		0.0467	12.4	ng/kg		B			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	8.71		0.0585	6.18	ng/kg		B			MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	39001-02-0	OCDF	3.16	J	0.0512	12.4	ng/kg	J	JB	J	Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	39227-28-6	1,2,3,4,7,8-HxCDD	6.18	U	0.0614	6.18	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	40321-76-4	1,2,3,7,8-PECDD	6.18	U	0.0578	6.18	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	51207-31-9	2,3,7,8-TCDF	4.44		0.138	1.24	ng/kg				Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	6.18	U	0.0391	6.18	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	57117-31-4	2,3,4,7,8-PECDF	6.18	U	0.0475	6.18	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	57117-41-6	1,2,3,7,8-PECDF	2.12	J	0.0476	6.18	ng/kg	J	JB	J	Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	57117-44-9	1,2,3,6,7,8-HXCDF	6.18	U	0.0440	6.18	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.918	J	0.0655	6.18	ng/kg	J	JB	J	Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	60851-34-5	2,3,4,6,7,8-HXCDF	6.18	U	0.0491	6.18	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	6.18	U	0.0267	6.18	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	70648-26-9	1,2,3,4,7,8-HXCDF	6.18	U	0.0514	6.18	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344803.704	1906894.735

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-005-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172048	1613B	1/28/2011		METHOD	DX029	19.1	1	72918-21-9	1,2,3,7,8,9-HXCDF	6.18	U	0.0564	6.18	ng/kg	U	JB	U	B, Z	MDL	PQL	6344803.704	1906894.735
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-22-4	SILVER	0.0845	J	0.0147	0.122	mg/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-28-0	THALLIUM	0.449		0.0367	0.122	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-36-0	ANTIMONY	0.174	J	0.0734	0.245	mg/kg	J	J	J	Q, Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-38-2	ARSENIC	7.45	J	0.0734	0.490	mg/kg	J		J	Q	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-41-7	BERYLLIUM	0.991		0.0196	0.122	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-43-9	CADMIUM	0.752	J	0.0441	0.122	mg/kg	J		J	Q	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	1024-57-3	HEPTACHLOR EPOXIDE	0.21	UJ	0.072	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	1031-07-8	ENDOSULFAN SULFATE	0.42	UJ	0.11	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	2385-85-5	MIREX	0.42	UJ	0.082	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	309-00-2	ALDRIN	0.21	UJ	0.082	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	319-84-6	ALPHA-BHC	0.21	UJ	0.080	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	319-85-7	BETA-BHC	0.21	UJ	0.075	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	319-86-8	DELTA-BHC	0.14	J	0.045	0.21	ug/kg	J	J	J	S, Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	33213-65-9	ENDOSULFAN II	0.42	UJ	0.31	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	50-29-3	4,4'-DDT	1.2	UJ	1.2	1.2	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	53494-70-5	ENDRIN KETONE	0.42	UJ	0.36	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	57-74-9	Chlordane	4.2	UJ	4.1	4.2	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	58-89-9	gamma-BHC (Lindane)	0.21	UJ	0.042	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	60-57-1	DIELDRIN	0.5	UJ	0.50	0.50	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	72-20-8	ENDRIN	0.42	UJ	0.082	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	72-43-5	METHOXYCHLOR	2.1	UJ	0.42	2.1	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	72-54-8	4,4'-DDD	1.3	UJ	1.3	1.3	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	72-55-9	4,4'-DDE	1	UJ	1.0	1.0	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	7421-93-4	ENDRIN ALDEHYDE	0.42	UJ	0.082	0.42	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	76-44-8	HEPTACHLOR	0.21	UJ	0.075	0.21	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	8001-35-2	TOXAPHENE	8.2	UJ	2.7	8.2	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8081A	1/8/2011		3550B	DE045	19.9	1	959-98-8	ENDOSULFAN I	0.43	UJ	0.43	0.43	ug/kg	UJ	U	UJ	S	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	11096-82-5	AROCLOR 1260	4.9		0.41	2.1	ug/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	11097-69-1	AROCLOR 1254	4.8		0.41	2.1	ug/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	11100-14-4	Aroclor 1268	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	11104-28-2	AROCLOR 1221	2.1	U	0.62	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	11126-42-4	Aroclor 5460	7.6	J	1.2	4.1	ug/kg	J		J	L	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	11141-16-5	AROCLOR 1232	2.1	U	0.65	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	12642-23-8	Aroclor 5442	4.1	UJ	1.2	4.1	ug/kg	UJ	U	UJ	L	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	12672-29-6	AROCLOR 1248	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	12674-11-2	AROCLOR 1016	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	37324-23-5	Aroclor 1262	2.1	U	0.41	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	53469-21-9	AROCLOR 1242	2.1	U	0.62	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8082	1/6/2011		3550B	DE045	19.9	1	53496-31-1	Aroclor 5432	4.1	UJ	1.2	4.1	ug/kg	UJ	U	UJ	L	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8151A	1/1/2011		3550B	DE045	19.9	1	120-36-5	DICHLOROPROP	2	J	1.0	2.1	ug/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8151A	1/1/2011		3550B	DE045	19.9	1	1918-00-9	DICAMBA	0.78	J	0.50	1.5	ug/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8151A	1/1/2011		3550B	DE045	19.9	1	75-99-0	DALAPON	11	U	5.5	11	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8151A	1/1/2011		3550B	DE045	19.9	1	88-85-7	DINOSEB	3	R	1.0	3.0	ug/kg	R	U	R	L	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8151A	1/1/2011		3550B	DE045	19.9	1	93-65-2	MCPP	360		94	310	ug/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8151A	1/1/2011		3550B	DE045	19.9	1	93-72-1	2,4,5-TP (Silvex)	0.21	U	0.094	0.21	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8151A	1/1/2011		3550B	DE045	19.9	1	93-76-5	2,4,5-T	0.21	U	0.10	0.21	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8151A	1/1/2011		3550B	DE045	19.9	1	94-74-6	MCPA	390		95	310	ug/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8151A	1/1/2011		3550B	DE045	19.9	1	94-75-7	2,4-D	4.5	U	1.5	4.5	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8151A	1/1/2011		3550B	DE045	19.9	1	94-82-6	2,4-DB	2.1	U	0.77	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	100-01-6	4-NITROANILINE	210	U	83	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	100-02-7	4-NITROPHENOL	620	U	210	620	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	100-51-6	BENZYL ALCOHOL	620	U	210	620	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	105-67-9	2,4-DIMETHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	106-44-5	4-METHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	106-46-7	1,4-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	106-47-8	4-CHLOROANILINE	210	U	83	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	108-68-9	3,5-Dimethylphenol	210	U	42	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	108-95-2	PHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	118-74-1	HEXACHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	120-82-1	1,2,4-TRICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	120-83-2	2,4-DICHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	121-14-2	2,4-DINITROTOLUENE	210	U	42	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	132-64-9	DIBENZOFURAN	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	51-28-5	2,4-DINITROPHENOL	2500	U	830	2500	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	620	U	210	620	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	541-73-1	1,3-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	59-50-7	4-CHLORO-3-METHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	606-20-2	2,6-DINITROTOLUENE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	62-53-3	ANILINE	620	U	210	620	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	65-85-0	BENZOIC ACID	620	U	210	620	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	67-72-1	HEXACHLOROETHANE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	210	U	42	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	620	U	210	620	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	78-59-1	ISOPHORONE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	86-30-6	N-NITROSODIPHENYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	86-74-8	CARBAZOLE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	87-68-3	HEXACHLOROBUTADIENE	210	U	83	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	87-86-5	PENTACHLOROPHENOL	620	U	210	620	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	88-06-2	2,4,6-TRICHLOROPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	88-74-4	2-NITROANILINE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	88-75-5	2-NITROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	91-58-7	2-CHLORONAPHTHALENE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	91-94-1	3,3'-DICHLOROBENZIDINE	420	U	120	420	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	92-87-5	BENZIDINE	4200	U	1500	4200	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	95-48-7	2-METHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	95-50-1	1,2-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	95-57-8	2-CHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	95-95-4	2,4,5-TRICHLOROPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	98-95-3	NITROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C	1/18/2011		3550B	DE045	19.9	1	99-09-2	3-NITROANILINE	210	U	42	210	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	54		7.5	22	ug/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	117-84-0	Di-n-octylphthalate	22	U	7.5	22	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	120-12-7	ANTHRACENE	0.83	J	0.42	2.1	ug/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	129-00-0	PYRENE	11		0.83	2.1	ug/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	131-11-3	Dimethylphthalate	22	U	7.5	22	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	191-24-2	BENZO(G,H,I)PERYLENE	1.2	J	0.83	2.1	ug/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1	J	0.83	2.1	ug/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	205-99-2	BENZO(B)FLUORANTHENE	5.4		0.83	2.1	ug/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	206-44-0	FLUORANTHENE	16		0.83	2.1	ug/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	207-08-9	BENZO(K)FLUORANTHENE	1.7	J	0.83	2.1	ug/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	208-96-8	ACENAPHTHYLENE	0.55	J	0.42	2.1	ug/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	218-01-9	CHRYSENE	6.9		0.42	2.1	ug/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	50-32-8	BENZO(A)PYRENE	1.7	J	0.83	2.1	ug/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	56-55-3	BENZO(A)ANTHRACENE	1.5	J	0.83	2.1	ug/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	62-75-9	N-NITROSODIMETHYLAMINE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	83-32-9	ACENAPHTHENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	84-66-2	Diethylphthalate	22	U	7.5	22	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	84-74-2	Di-n-butylphthalate	22	U	7.5	22	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	85-01-8	PHENANTHRENE	14		0.83	2.1	ug/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	85-68-7	Butylbenzylphthalate	13	J	7.5	22	ug/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	86-73-7	FLUORENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	90-12-0	1-METHYLNAPHTHALENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	91-20-3	NAPHTHALENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	8270C SIM	1/11/2011		3550B	DE045	19.9	1	91-57-6	2-METHYLNAPHTHALENE	2.1	U	0.83	2.1	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	9045M	12/21/2010		Gen Prep	DE045	19.9	1	pH	PH	6.29		0.0100	0.0100	pH unit					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	ASTM D1498	12/21/2010		Gen Prep	DE045	19.9	1	REDOX	Oxidation Reduction Potential	599		10.0	10.0	mv					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	160.3M	12/20/2010		Gen Prep	DE045	19.9	1	MOIST	MOISTURE	19.9		0.50	0.50	%					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	300.0	1/11/2011		METHOD	DE045	19.9	1	16984-48-8	FLUORIDE	1.2	U	1.0	1.2	mg/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	314.0	1/11/2011		METHOD	DE045	19.9	1	14797-73-0	PERCHLORATE	37.5	U	11.2	37.5	ug/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7429-90-5	ALUMINUM	30200		6.04	24.0	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7439-89-6	IRON	30300		5.65	24.0	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7439-93-2	LITHIUM	26.5		0.26	2.4	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7439-95-4	MAGNESIUM	6430		3.05	12.0	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7439-96-5	MANGANESE	454		0.0936	0.600	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7440-09-7	POTASSIUM	5400		21.6	60.0	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7440-23-5	SODIUM	113	J	44.8	120	mg/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7440-24-6	STRONTIUM	32.8		0.0744	0.600	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7440-31-5	TIN	12	U	1.20	12.0	mg/kg	U	J	U	B, Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7440-32-6	TITANIUM	1460		0.456	1.20	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7440-42-8	BORON	11.3		1.07	6.00	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7440-67-7	Zirconium	6.11		1.01	6.00	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7440-70-2	CALCIUM	4880		7.36	24.0	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6010B	12/30/2010	NA	3050B	DE045	19.9	1	7723-14-0	PHOSPHORUS	526		0.672	12.0	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7439-92-1	LEAD	31.1	J	0.0127	0.245	mg/kg	J		J	Q	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-02-0	NICKEL	21.8	J	0.122	0.490	mg/kg	J		J	Q, *#	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-47-3	CHROMIUM	38	J	0.147	0.490	mg/kg	J		J	Q	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-48-4	COBALT	10.3	J	0.0245	0.122	mg/kg	J		J	*#	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-50-8	COPPER	17.7	J	0.0808	0.490	mg/kg	J		J	Q	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-62-2	VANADIUM	68.9	J	0.0269	0.122	mg/kg	J		J	Q	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-66-6	ZINC	186		0.685	3.67	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7782-49-2	SELENIUM	0.193	J	0.0490	0.490	mg/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7439-98-7	MOLYBDENUM	0.893	J	0.0612	0.122	mg/kg	J		J	Q	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	6020	1/3/2011	NA	3050B	DE045	19.9	2	7440-39-3	BARIUM	184		0.132	0.490	mg/kg					MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	7199	1/20/2011		3060A	DE045	19.9	1	18540-29-9	HEXAVALENT CHROMIUM	0.35	J	0.25	1.2	mg/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169021	7471A	12/28/2010	NA	METHOD	DE045	19.9	1	7439-97-6	MERCURY	0.0233	J	0.0034	0.120	mg/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	1746-01-6	2,3,7,8-TCDD	0.0794	J	0.0486	1.25	ng/kg	J	JQ	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	19408-74-3	1,2,3,7,8,9-HXCDD	1.51	J	0.0883	6.24	ng/kg	J	JB	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	3268-87-9	OCDD	259		0.0858	12.5	ng/kg		B			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	29		0.0773	6.24	ng/kg		B			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	39001-02-0	OCDF	9.52	J	0.0597	12.5	ng/kg	J	JB	J	Z	MDL	PQL	6345046.935	1906990.737

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	39227-28-6	1,2,3,4,7,8-HxCDD	6.24	U	0.0876	6.24	ng/kg	U	JB	U	B, Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	40321-76-4	1,2,3,7,8-PECDD	6.24	U	0.0831	6.24	ng/kg		U			MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	51207-31-9	2,3,7,8-TCDF	1.1	J	0.147	1.25	ng/kg	J	J	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	6.24	U	0.0760	6.24	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	57117-31-4	2,3,4,7,8-PECDF	1.28	J	0.0603	6.24	ng/kg	J	JB	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	57117-41-6	1,2,3,7,8-PECDF	1.38	J	0.0592	6.24	ng/kg	J	JB	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	57117-44-9	1,2,3,6,7,8-HXCDF	6.24	U	0.0659	6.24	ng/kg	U	JB	U	B, Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	57653-85-7	1,2,3,6,7,8-HXCDD	1.69	J	0.0875	6.24	ng/kg	J	JB	J	Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	60851-34-5	2,3,4,6,7,8-HXCDF	6.24	U	0.0695	6.24	ng/kg	U	JB	U	B, Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	6.24	U	0.0543	6.24	ng/kg	U	JB	U	B, Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	70648-26-9	1,2,3,4,7,8-HXCDF	6.24	U	0.0714	6.24	ng/kg	U	JB	U	B, Z	MDL	PQL	6345046.935	1906990.737
SED-006-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169036	1613B	1/28/2011		METHOD	DX029	19.9	1	72918-21-9	1,2,3,7,8,9-HXCDF	6.24	U	0.0748	6.24	ng/kg	U	JB	U	B, Z	MDL	PQL	6345046.935	1906990.737
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	120-82-1	1,2,4-TRICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	120-83-2	2,4-DICHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	121-14-2	2,4-DINITROTOLUENE	200	U	41	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	132-64-9	DIBENZOFURAN	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	191-24-2	BENZO(G,H,I)PERYLENE	22	J	20	200	ug/kg	J	J	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	51-28-5	2,4-DINITROPHENOL	2400	U	810	2400	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	610	U	200	610	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	541-73-1	1,3-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	59-50-7	4-CHLORO-3-METHYLPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	606-20-2	2,6-DINITROTOLUENE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	62-53-3	ANILINE	610	U	200	610	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	65-85-0	BENZOIC ACID	610	U	200	610	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	67-72-1	HEXACHLOROETHANE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	200	U	41	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	610	U	200	610	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	78-59-1	ISOPHORONE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	86-30-6	N-NITROSODIPHENYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	86-74-8	CARBAZOLE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	87-68-3	HEXACHLOROBUTADIENE	200	U	81	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	87-86-5	PENTACHLOROPHENOL	610	U	200	610	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	88-06-2	2,4,6-TRICHLOROPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	88-74-4	2-NITROANILINE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	88-75-5	2-NITROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	91-58-7	2-CHLORONAPHTHALENE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	91-94-1	3,3'-DICHLOROBENZIDINE	410	U	120	410	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	92-87-5	BENZIDINE	4100	U	1400	4100	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	95-48-7	2-METHYLPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	95-50-1	1,2-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	95-57-8	2-CHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	95-95-4	2,4,5-TRICHLOROPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	98-95-3	NITROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	99-09-2	3-NITROANILINE	200	U	41	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	28		7.3	22	ug/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	117-84-0	Di-n-octylphthalate	22	UJ	7.3	22	ug/kg	UJ	U	UJ	I	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	120-12-7	ANTHRACENE	0.69	J	0.41	2.0	ug/kg	J	J	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	129-00-0	PYRENE	6.8		0.81	2.0	ug/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	131-11-3	Dimethylphthalate	22	U	7.3	22	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	193-39-5	INDENO(1,2,3-CD)PYRENE	5.9	J	0.81	2.0	ug/kg	J		J	I	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	205-99-2	BENZO(B)FLUORANTHENE	35	J	0.81	2.0	ug/kg	J		J	I	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	206-44-0	FLUORANTHENE	3.8		0.81	2.0	ug/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	207-08-9	BENZO(K)FLUORANTHENE	2	UJ	0.81	2.0	ug/kg	UJ	U	UJ	I	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	208-96-8	ACENAPHTHYLENE	2	U	0.41	2.0	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	218-01-9	CHRYSENE	29		0.41	2.0	ug/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	50-32-8	BENZO(A)PYRENE	10	J	0.81	2.0	ug/kg	J		J	I	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	53-70-3	DIBENZO(A,H)ANTHRACENE	5.7	J	0.81	2.0	ug/kg	J		J	I	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	56-55-3	BENZO(A)ANTHRACENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	62-75-9	N-NITROSODIMETHYLAMINE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	83-32-9	ACENAPHTHENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	84-66-2	Diethylphthalate	22	U	7.3	22	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	84-74-2	Di-n-butylphthalate	22	U	7.3	22	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	85-01-8	PHENANTHRENE	1.4	J	0.81	2.0	ug/kg	J	J	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	85-68-7	Butylbenzylphthalate	14	J	7.3	22	ug/kg	J	J	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	86-73-7	FLUORENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	90-12-0	1-METHYLNAPHTHALENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	91-20-3	NAPHTHALENE	0.86	J	0.81	2.0	ug/kg	J	J	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C SIM	1/11/2011		3550B	DE046	17.8	1	91-57-6	2-METHYLNAPHTHALENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	9045M	12/27/2010		Gen Prep	DE046	17.8	1	pH	PH	7.88		0.0100	0.0100	pH unit					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	ASTM D1498	12/27/2010		Gen Prep	DE046	17.8	1	REDOX	Oxidation Reduction Potential	471		10.0	10.0	mv					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	160.3M	1/6/2011		Gen Prep	DE046	17.8	1	MOIST	MOISTURE	17.8		0.50	0.50	%					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	300.0	1/14/2011		METHOD	DE046	17.8	1	16984-48-8	FLUORIDE	1.9	J	0.97	1.2	mg/kg	J		J	Q	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	314.0	1/12/2011		METHOD	DE046	17.8	1	14797-73-0	PERCHLORATE	36.5	U	10.9	36.5	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7440-31-5	TIN	11.8	U	1.18	11.8	mg/kg	U	J	U	B, Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7429-90-5	ALUMINUM	11300		5.94	23.6	mg/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7439-89-6	IRON	17200		5.56	23.6	mg/kg					MDL	PQL	6345335.932	1907744.857

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7439-93-2	LITHIUM	18.2	J	0.26	2.4	mg/kg	J		J	*#	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7439-95-4	MAGNESIUM	3910		3.00	11.8	mg/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7439-96-5	MANGANESE	277		0.0921	0.591	mg/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7440-09-7	POTASSIUM	2880		21.3	59.1	mg/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7440-23-5	SODIUM	69.5	J	44.1	118	mg/kg	J	J	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7440-24-6	STRONTIUM	24.3	J	0.0732	0.591	mg/kg	J		J	*#	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7440-32-6	TITANIUM	906		0.449	1.18	mg/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7440-42-8	BORON	7.37		1.05	5.91	mg/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7440-67-7	Zirconium	1.02	J	0.992	5.91	mg/kg	J	J	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7440-70-2	CALCIUM	3980		7.24	23.6	mg/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6010B	12/30/2010	NA	3050B	DE046	17.8	1	7723-14-0	PHOSPHORUS	427		0.661	11.8	mg/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/6/2011	NA	3050B	DE046	17.8	2	7782-49-2	SELENIUM	0.168	J	0.0468	0.468	mg/kg	J	J	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7439-98-7	MOLYBDENUM	0.495	J	0.0585	0.117	mg/kg	J		J	E, Q	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-39-3	BARIUM	96.6	J	0.126	0.468	mg/kg	J		J	E, *#	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7439-92-1	LEAD	11.7	J	0.0122	0.234	mg/kg	J		J	E, *#	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-02-0	NICKEL	12.8	J	0.117	0.468	mg/kg	J		J	E, Q, *#	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-22-4	SILVER	0.0542	J	0.0140	0.117	mg/kg	J	J	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-28-0	THALLIUM	0.234	J	0.0351	0.117	mg/kg	J		J	Q	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-36-0	ANTIMONY	0.234	UJ	0.0702	0.234	mg/kg	UJ	J	UJ	B, Q, Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-38-2	ARSENIC	4.12	J	0.0702	0.468	mg/kg	J		J	E, Q	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-41-7	BERYLLIUM	0.439		0.0187	0.117	mg/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-43-9	CADMIUM	0.305	J	0.0421	0.117	mg/kg	J		J	Q	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-47-3	CHROMIUM	16.5	J	0.140	0.468	mg/kg	J		J	E	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-48-4	COBALT	5.12	J	0.0234	0.117	mg/kg	J		J	E	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-50-8	COPPER	10.8	J	0.0772	0.468	mg/kg	J		J	E	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-62-2	VANADIUM	32.3	J	0.0257	0.117	mg/kg	J		J	E, Q, *#	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	6020	1/5/2011	NA	3050B	DE046	17.8	2	7440-66-6	ZINC	111	J	0.655	3.51	mg/kg	J		J	E, *#	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	7199	1/20/2011		3060A	DE046	17.8	1	18540-29-9	HEXAVALENT CHROMIUM	1.2	U	0.24	1.2	mg/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	7471A	12/28/2010	NA	METHOD	DE046	17.8	1	7439-97-6	MERCURY	0.0257	J	0.0033	0.114	mg/kg	J	J	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/22/2011		3550B	DE046	17.8	5	50-29-3	4,4'-DDT	3.8	J	0.40	2.1	ug/kg	J		J	C, M	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	1024-57-3	HEPTACHLOR EPOXIDE	0.24	U	0.24	0.24	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	1031-07-8	ENDOSULFAN SULFATE	0.41	U	0.080	0.41	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	2385-85-5	MIREX	0.41	U	0.080	0.41	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	309-00-2	ALDRIN	0.2	U	0.080	0.20	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	319-84-6	ALPHA-BHC	0.2	U	0.041	0.20	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	319-85-7	BETA-BHC	0.2	U	0.073	0.20	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	319-86-8	DELTA-BHC	0.2	U	0.044	0.20	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	33213-65-9	ENDOSULFAN II	0.41	U	0.080	0.41	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	53494-70-5	ENDRIN KETONE	0.41	U	0.080	0.41	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	57-74-9	Chlordane	5.7	U	5.7	5.7	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	58-89-9	gamma-BHC (Lindane)	0.06	J	0.041	0.20	ug/kg	J	J	J	Z, *#	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	60-57-1	DIELDRIN	0.41	U	0.32	0.41	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	72-20-8	ENDRIN	0.41	U	0.19	0.41	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	72-43-5	METHOXYCHLOR	2	U	0.41	2.0	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	72-54-8	4,4'-DDD	0.41	U	0.080	0.41	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	72-55-9	4,4'-DDE	1.6		0.080	0.41	ug/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	7421-93-4	ENDRIN ALDEHYDE	0.79	U	0.79	0.79	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	76-44-8	HEPTACHLOR	0.2	U	0.12	0.20	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	8001-35-2	TOXAPHENE	8	UJ	2.7	8.0	ug/kg	UJ	U	UJ	C	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8081A	1/14/2011		3550B	DE046	17.8	1	959-98-8	ENDOSULFAN I	0.2	U	0.054	0.20	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	11096-82-5	AROCLOR 1260	27		0.80	4.1	ug/kg					MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	11097-69-1	AROCLOR 1254	3.1	J	0.80	4.1	ug/kg	J	J	J	Z, *#	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	11100-14-4	Aroclor 1268	4.1	U	0.80	4.1	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	11104-28-2	AROCLOR 1221	4.1	U	1.2	4.1	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	11126-42-4	Aroclor 5460	9.6	J	2.4	8.0	ug/kg	J		J	L	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	11141-16-5	AROCLOR 1232	4.1	U	1.3	4.1	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	12642-23-8	Aroclor 5442	8	UJ	2.4	8.0	ug/kg	UJ	U	UJ	L	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	12672-29-6	AROCLOR 1248	4.1	U	0.80	4.1	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	12674-11-2	AROCLOR 1016	4.1	U	0.80	4.1	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	37324-23-5	Aroclor 1262	4.1	U	0.80	4.1	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	53469-21-9	AROCLOR 1242	4.1	U	1.2	4.1	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8082	12/31/2010		3550B	DE046	17.8	2	63496-31-1	Aroclor 5432	8	UJ	2.4	8.0	ug/kg	UJ	U	UJ	L	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8151A	1/7/2011		3550B	DE046	17.8	1	120-36-5	DICHLOROPROP	2.1	U	0.97	2.1	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8151A	1/7/2011		3550B	DE046	17.8	1	1918-00-9	DICAMBA	1.5	U	0.49	1.5	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8151A	1/7/2011		3550B	DE046	17.8	1	75-99-0	DALAPON	11	U	5.4	11	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8151A	1/7/2011		3550B	DE046	17.8	1	88-85-7	DINOSEB	2.9	U	0.97	2.9	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8151A	1/7/2011		3550B	DE046	17.8	1	93-65-2	MCPP	300	U	91	300	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8151A	1/7/2011		3550B	DE046	17.8	1	93-72-1	2,4,5-TP (Silvex)	0.21	U	0.091	0.21	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8151A	1/7/2011		3550B	DE046	17.8	1	93-76-5	2,4,5-T	0.21	U	0.10	0.21	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8151A	1/7/2011		3550B	DE046	17.8	1	94-74-6	MCPA	300	U	92	300	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8151A	1/7/2011		3550B	DE046	17.8	1	94-75-7	2,4-D	4.4	U	1.5	4.4	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8151A	1/7/2011		3550B	DE046	17.8	1	94-82-6	2,4-DB	2.3	J	0.75	2.1	ug/kg	J		J	*#	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	100-01-6	4-NITROANILINE	200	U	81	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	100-02-7	4-NITROPHENOL	610	U	200	610	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	100-51-6	BENZYL ALCOHOL	610	U	200	610	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	105-67-9	2,4-DIMETHYLPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	106-44-5	4-METHYLPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	106-46-7	1,4-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	106-47-8	4-CHLOROANILINE	200	U	81	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	108-68-9	3,5-Dimethylphenol	200	U	41	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	108-95-2	PHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172042	8270C	1/18/2011		3550B	DE046	17.8	1	118-74-1	HEXACHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	1746-01-6	2,3,7,8-TCDD	0.13	J	0.0521	1.22	ng/kg	J	JQ	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	19408-74-3	1,2,3,7,8,9-HXCDD	1.39	J	0.0738	6.08	ng/kg	J	JB	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	3268-87-9	OCDD	337		0.0752	12.2	ng/kg		B			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	46.2		0.0968	6.08	ng/kg		B			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	39001-02-0	OCDF	9.62	J	0.0602	12.2	ng/kg	J	JB	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.782	J	0.109	6.08	ng/kg	J	JB	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	40321-76-4	1,2,3,7,8-PECDD	0.58	J	0.0908	6.08	ng/kg	J	JBQ	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	51207-31-9	2,3,7,8-TCDF	0.307	J	0.166	1.22	ng/kg	J	J	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	1	J	0.0529	6.08	ng/kg	J	JB	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	57117-31-4	2,3,4,7,8-PECDF	2.16	J	0.0807	6.08	ng/kg	J	JB	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	57117-41-6	1,2,3,7,8-PECDF	0.751	J	0.0717	6.08	ng/kg	J	JB	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	57117-44-9	1,2,3,6,7,8-HXCDF	1.8	J	0.106	6.08	ng/kg	J	JB	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	57653-85-7	1,2,3,6,7,8-HXCDD	2.45	J	0.0945	6.08	ng/kg	J	JB	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	60851-34-5	2,3,4,6,7,8-HXCDF	1.9	J	0.0607	6.08	ng/kg	J	JB	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	8.14		0.0928	6.08	ng/kg		B			MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	70648-26-9	1,2,3,4,7,8-HXCDF	3.3	J	0.142	6.08	ng/kg	J	JB	J	Z	MDL	PQL	6345335.932	1907744.857
SED-007-SIV-SD-0.0-0.6	12/20/2010	N	0	0.6	ft bgs	SE	SED		6172051	1613B	2/7/2011		METHOD	DX029	17.8	1	72918-21-9	1,2,3,7,8,9-HXCDF	0.69	J	0.0710	6.08	ng/kg	J	JB	J	Z	MDL	PQL	6345335.932	1907744.857
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	160.3M	1/6/2011		Gen Prep	DE046	32.7	1	MOIST	MOISTURE	32.7		0.50	0.50	%					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	300.0	1/14/2011		METHOD	DE046	32.7	1	16984-48-8	FLUORIDE	2.7	J	1.2	1.5	mg/kg	J		J	Q	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	314.0	1/12/2011		METHOD	DE046	32.7	1	14797-73-0	PERCHLORATE	29.4	J	13.4	44.6	ug/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7440-31-5	TIN	14.2	U	1.42	14.2	mg/kg	U	J	U	B, Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7429-90-5	ALUMINUM	12800		7.12	28.3	mg/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7439-89-6	IRON	19500		6.67	28.3	mg/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7439-93-2	LITHIUM	23.9	J	0.31	2.8	mg/kg	J		J	*#	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7439-95-4	MAGNESIUM	4440		3.59	14.2	mg/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7439-96-5	MANGANESE	293		0.110	0.708	mg/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7440-09-7	POTASSIUM	3590		25.5	70.8	mg/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7440-23-5	SODIUM	82.4	J	52.8	142	mg/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7440-24-6	STRONTIUM	19.3	J	0.0877	0.708	mg/kg	J		J	*#	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7440-32-6	TITANIUM	1110		0.538	1.42	mg/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7440-42-8	BORON	6.76	J	1.26	7.08	mg/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7440-67-7	Zirconium	1.44	J	1.19	7.08	mg/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7440-70-2	CALCIUM	3610		8.67	28.3	mg/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6010B	12/30/2010	NA	3050B	DE046	32.7	1	7723-14-0	PHOSPHORUS	415		0.792	14.2	mg/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/6/2011	NA	3050B	DE046	32.7	2	7782-49-2	SELENIUM	0.199	J	0.0594	0.594	mg/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7439-98-7	MOLYBDENUM	0.508	J	0.0743	0.149	mg/kg	J		J	E, Q	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-39-3	BARIUM	89.9	J	0.160	0.594	mg/kg	J		J	E, *#	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7439-92-1	LEAD	16.9	J	0.0155	0.297	mg/kg	J		J	E, *#	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-02-0	NICKEL	12.3	J	0.149	0.594	mg/kg	J		J	E, Q, *#	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-22-4	SILVER	0.0811	J	0.0178	0.149	mg/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-28-0	THALLIUM	0.268	J	0.0446	0.149	mg/kg	J		J	Q	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-36-0	ANTIMONY	0.297	UJ	0.0892	0.297	mg/kg	UJ	J	UJ	B, Q, Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-38-2	ARSENIC	12.9	J	0.0892	0.594	mg/kg	J		J	E, Q	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-41-7	BERYLLIUM	0.499		0.0238	0.149	mg/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-43-9	CADMIUM	0.238	J	0.0535	0.149	mg/kg	J		J	Q	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-47-3	CHROMIUM	16.3	J	0.178	0.594	mg/kg	J		J	E	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-48-4	COBALT	5.85	J	0.0297	0.149	mg/kg	J		J	E	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-50-8	COPPER	10.2	J	0.0981	0.594	mg/kg	J		J	E	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-62-2	VANADIUM	31.2	J	0.0327	0.149	mg/kg	J		J	E, Q, *#	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	6020	1/5/2011	NA	3050B	DE046	32.7	2	7440-66-6	ZINC	67.9	J	0.832	4.46	mg/kg	J		J	E, *#	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	7199	1/20/2011		3060A	DE046	32.7	1	18540-29-9	HEXAVALENT CHROMIUM	1.5	U	0.30	1.5	mg/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	7471A	12/28/2010	NA	METHOD	DE046	32.7	1	7439-97-6	MERCURY	0.106	J	0.0043	0.148	mg/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/22/2011		3550B	DE046	32.7	5	50-29-3	4,4'-DDT	10	J	0.49	2.5	ug/kg	J		J	C, M	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	1024-57-3	HEPTACHLOR EPOXIDE	0.64	R	0.64	0.64	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	1031-07-8	ENDOSULFAN SULFATE	0.51	R	0.098	0.51	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	2385-85-5	MIREX	0.51	R	0.098	0.51	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	309-00-2	ALDRIN	0.25	R	0.098	0.25	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	319-84-6	ALPHA-BHC	0.25	R	0.051	0.25	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	319-85-7	BETA-BHC	0.25	R	0.089	0.25	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	319-86-8	DELTA-BHC	0.25	R	0.053	0.25	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	33213-65-9	ENDOSULFAN II	0.79	R	0.79	0.79	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	53494-70-5	ENDRIN KETONE	0.51	R	0.098	0.51	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	57-74-9	Chlordane	5.1	R	1.2	5.1	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	58-89-9	gamma-BHC (Lindane)	0.25	R	0.051	0.25	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	60-57-1	DIELDRIN	0.64	R	0.64	0.64	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	72-20-8	ENDRIN	0.98	R	0.98	0.98	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	72-43-5	METHOXYCHLOR	2.5	R	0.51	2.5	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	72-54-8	4,4'-DDD	0.51	R	0.098	0.51	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	72-55-9	4,4'-DDE	2.8	R	2.8	2.8	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	7421-93-4	ENDRIN ALDEHYDE	0.51	R	0.46	0.51	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	76-44-8	HEPTACHLOR	0.25	R	0.089	0.25	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	8001-35-2	TOXAPHENE	9.8	R	3.3	9.8	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8081A	1/15/2011		3550B	DE046	32.7	1	959-98-8	ENDOSULFAN I	0.25	R	0.065	0.25	ug/kg	R	U	R	S	MDL	PQL	6345059.314	1907692.995

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	11096-82-5	AROCLOR 1260	25	U	4.9	25	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	11097-69-1	AROCLOR 1254	300		4.9	25	ug/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	11100-14-4	Aroclor 1268	25	U	4.9	25	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	11104-28-2	AROCLOR 1221	25	U	7.4	25	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	11126-42-4	Aroclor 5460	49	UJ	15	49	ug/kg	UJ	U	UJ	L	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	11141-16-5	AROCLOR 1232	25	U	7.7	25	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	12642-23-8	Aroclor 5442	49	UJ	15	49	ug/kg	UJ	U	UJ	L	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	12672-29-6	AROCLOR 1248	25	U	4.9	25	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	12674-11-2	AROCLOR 1016	25	U	4.9	25	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	37324-23-5	Aroclor 1262	25	U	4.9	25	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	53469-21-9	AROCLOR 1242	25	U	7.4	25	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8082	12/31/2010		3550B	DE046	32.7	10	63496-31-1	Aroclor 5432	49	UJ	15	49	ug/kg	UJ	U	UJ	L	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8151A	1/7/2011		3550B	DE046	32.7	1	120-36-5	DICHLOROPROP	2.5	U	1.2	2.5	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8151A	1/7/2011		3550B	DE046	32.7	1	1918-00-9	DICAMBA	1.8	U	0.59	1.8	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8151A	1/7/2011		3550B	DE046	32.7	1	75-99-0	DALAPON	13	U	6.5	13	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8151A	1/7/2011		3550B	DE046	32.7	1	88-85-7	DINOSEB	3.6	U	1.2	3.6	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8151A	1/7/2011		3550B	DE046	32.7	1	93-65-2	MCPP	370	U	140	370	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8151A	1/7/2011		3550B	DE046	32.7	1	93-72-1	2,4,5-TP (Silvex)	0.25	U	0.11	0.25	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8151A	1/7/2011		3550B	DE046	32.7	1	93-76-5	2,4,5-T	0.25	U	0.12	0.25	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8151A	1/7/2011		3550B	DE046	32.7	1	94-74-6	MCPA	370	U	240	370	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8151A	1/7/2011		3550B	DE046	32.7	1	94-75-7	2,4-D	5.3	U	1.8	5.3	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8151A	1/7/2011		3550B	DE046	32.7	1	94-82-6	2,4-DB	3.4	U	3.4	3.4	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	100-01-6	4-NITROANILINE	250	U	99	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	100-02-7	4-NITROPHENOL	740	U	250	740	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	100-51-6	BENZYL ALCOHOL	740	U	250	740	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	105-67-9	2,4-DIMETHYLPHENOL	250	U	50	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	106-44-5	4-METHYLPHENOL	250	U	50	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	106-46-7	1,4-DICHLOROBENZENE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	106-47-8	4-CHLOROANILINE	250	U	99	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	108-68-9	3,5-Dimethylphenol	250	U	50	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	108-95-2	PHENOL	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	118-74-1	HEXACHLOROBENZENE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	120-82-1	1,2,4-TRICHLOROBENZENE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	120-83-2	2,4-DICHLOROPHENOL	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	121-14-2	2,4-DINITROTOLUENE	250	U	50	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	132-64-9	DIBENZOFURAN	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	51-28-5	2,4-DINITROPHENOL	3000	U	990	3000	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	740	U	250	740	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	541-73-1	1,3-DICHLOROBENZENE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	59-50-7	4-CHLORO-3-METHYLPHENOL	250	U	50	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	606-20-2	2,6-DINITROTOLUENE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	62-53-3	ANILINE	740	U	250	740	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	65-85-0	BENZOIC ACID	740	U	250	740	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	67-72-1	HEXACHLOROETHANE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	250	U	50	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	740	U	250	740	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	78-59-1	ISOPHORONE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	86-30-6	N-NITROSODIPHENYLAMINE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	86-74-8	CARBAZOLE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	87-68-3	HEXACHLOROBUTADIENE	250	U	99	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	87-86-5	PENTACHLOROPHENOL	740	U	250	740	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	88-06-2	2,4,6-TRICHLOROPHENOL	250	U	50	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	88-74-4	2-NITROANILINE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	88-75-5	2-NITROPHENOL	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	91-58-7	2-CHLORONAPHTHALENE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	91-94-1	3,3'-DICHLOROBENZIDINE	500	U	150	500	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	92-87-5	BENZIDINE	5000	U	1700	5000	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	95-48-7	2-METHYLPHENOL	250	U	50	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	95-50-1	1,2-DICHLOROBENZENE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	95-57-8	2-CHLOROPHENOL	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	95-95-4	2,4,5-TRICHLOROPHENOL	250	U	50	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	98-95-3	NITROBENZENE	250	U	25	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C	1/19/2011		3550B	DE046	32.7	1	99-09-2	3-NITROANILINE	250	U	50	250	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	69		8.9	27	ug/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	117-84-0	Di-n-octylphthalate	27	U	8.9	27	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	120-12-7	ANTHRACENE	0.51	J	0.50	2.5	ug/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	129-00-0	PYRENE	3.1		0.99	2.5	ug/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	131-11-3	Dimethylphthalate	27	U	8.9	27	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	191-24-2	BENZO(G,H,I)PERYLENE	2	J	0.99	2.5	ug/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.2	J	0.99	2.5	ug/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	205-99-2	BENZO(B)FLUORANTHENE	3.4		0.99	2.5	ug/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	206-44-0	FLUORANTHENE	3.2		0.99	2.5	ug/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	207-08-9	BENZO(K)FLUORANTHENE	1.2	J	0.99	2.5	ug/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	208-96-8	ACENAPHTHYLENE	2.5	U	0.50	2.5	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	218-01-9	CHRYSENE	8.6		0.50	2.5	ug/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	50-32-8	BENZO(A)PYRENE	1.4	J	0.99	2.5	ug/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.5	U	0.99	2.5	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	56-55-3	BENZO(A)ANTHRACENE	1.6	J	0.99	2.5	ug/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	62-75-9	N-NITROSODIMETHYLAMINE	2.5	U	0.99	2.5	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	83-32-9	ACENAPHTHENE	2.5	U	0.99	2.5	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	84-66-2	Diethylphthalate	27	U	8.9	27	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	84-74-2	Di-n-butylphthalate	27	U	8.9	27	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	85-01-8	PHENANTHRENE	4.1		0.99	2.5	ug/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	85-68-7	Butylbenzylphthalate	9.9	J	8.9	27	ug/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	86-73-7	FLUORENE	2.5	U	0.99	2.5	ug/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	90-12-0	1-METHYLNAPHTHALENE	2.2	J	0.99	2.5	ug/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	91-20-3	NAPHTHALENE	4.4		0.99	2.5	ug/kg					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	8270C SIM	1/12/2011		3550B	DE046	32.7	1	91-57-6	2-METHYLNAPHTHALENE	2.1	J	0.99	2.5	ug/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	9045M	12/27/2010		Gen Prep	DE046	32.7	1	pH	PH	6.59		0.0100	0.0100	pH unit					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172043	ASTM D1498	12/27/2010		Gen Prep	DE046	32.7	1	REDOX	Oxidation Reduction Potential	505		10.0	10.0	mv					MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	1746-01-6	2,3,7,8-TCDD	1.49	U	0.0774	1.49	ng/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	19408-74-3	1,2,3,7,8,9-HXCDD	1.28	J	0.100	7.43	ng/kg	J	JB	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	3268-87-9	OCDD	180		0.0938	14.9	ng/kg		B			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	18.9		0.0976	7.43	ng/kg		B			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	39001-02-0	OCDF	7.73	J	0.119	14.9	ng/kg	J	JB	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	39227-28-6	1,2,3,4,7,8-HxCDD	7.43	U	0.102	7.43	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	40321-76-4	1,2,3,7,8-PECDD	7.43	U	0.107	7.43	ng/kg		U			MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	51207-31-9	2,3,7,8-TCDF	1.1	J	0.158	1.49	ng/kg	J	J	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	7.43	U	0.0941	7.43	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	57117-31-4	2,3,4,7,8-PECDF	1.17	J	0.0719	7.43	ng/kg	J	JB	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	57117-41-6	1,2,3,7,8-PECDF	3.1	J	0.0749	7.43	ng/kg	J	JB	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	57117-44-9	1,2,3,6,7,8-HXCDF	7.43	U	0.0701	7.43	ng/kg	U	JB	U	B, Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	57653-85-7	1,2,3,6,7,8-HXCDD	1.37	J	0.103	7.43	ng/kg	J	JB	J	Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	60851-34-5	2,3,4,6,7,8-HXCDF	7.43	U	0.0738	7.43	ng/kg	U	JB	U	B, Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	7.43	U	0.0730	7.43	ng/kg	U	JB	U	B, Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	70648-26-9	1,2,3,4,7,8-HXCDF	7.43	U	0.0743	7.43	ng/kg	U	JB	U	B, Z	MDL	PQL	6345059.314	1907692.995
SED-008-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172052	1613B	1/28/2011		METHOD	DX029	32.7	1	72918-21-9	1,2,3,7,8,9-HXCDF	7.43	U	0.0874	7.43	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345059.314	1907692.995
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	6.54	U	0.0489	6.54	ng/kg	U	JB	U	B, Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	57117-31-4	2,3,4,7,8-PECDF	0.956	J	0.0582	6.54	ng/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	57117-41-6	1,2,3,7,8-PECDF	0.618	J	0.0618	6.54	ng/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.282	J	0.0401	6.54	ng/kg	J	JBQ	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.49	J	0.0620	6.54	ng/kg	J	JQ	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	60851-34-5	2,3,4,6,7,8-HXCDF	6.54	U	0.0405	6.54	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	1.52	J	0.0378	6.54	ng/kg	J	JB	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.531	J	0.0460	6.54	ng/kg	J	JBQ	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	72918-21-9	1,2,3,7,8,9-HXCDF	6.54	U	0.0452	6.54	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	300.0	1/27/2011		METHOD	DE060	23.5	1	16984-48-8	FLUORIDE	1.8		1.0	1.3	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	314.0	1/25/2011		METHOD	DE060	23.5	1	14797-73-0	PERCHLORATE	39.2	U	11.8	39.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7429-90-5	ALUMINUM	10700		6.58	26.1	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7439-89-6	IRON	19800		6.16	26.1	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7439-93-2	LITHIUM	26.2		0.29	2.6	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7439-95-4	MAGNESIUM	5720		3.32	13.1	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7439-96-5	MANGANESE	306		0.102	0.654	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7440-09-7	POTASSIUM	3270		23.5	65.4	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7440-23-5	SODIUM	64	J	48.8	131	mg/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7440-24-6	STRONTIUM	22.9		0.0810	0.654	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7440-31-5	TIN	2.74	J	1.31	13.1	mg/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7440-32-6	TITANIUM	997		0.497	1.31	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7440-42-8	BORON	6.54	U	1.16	6.54	mg/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7440-67-7	Zirconium	6.54	U	1.10	6.54	mg/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7440-70-2	CALCIUM	8140		8.01	26.1	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6010B	1/21/2011	NA	3050B	DE060	23.5	1	7723-14-0	PHOSPHORUS	474		0.732	13.1	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7439-92-1	LEAD	12.8		0.0132	0.254	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-02-0	NICKEL	14.7		0.127	0.508	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-22-4	SILVER	0.0798	J	0.0152	0.127	mg/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-28-0	THALLIUM	0.323		0.0381	0.127	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-36-0	ANTIMONY	0.118	J	0.0761	0.254	mg/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-38-2	ARSENIC	37.9		0.102	0.508	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-41-7	BERYLLIUM	0.549		0.0203	0.127	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-43-9	CADMIUM	0.211		0.0508	0.127	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-47-3	CHROMIUM	19.1		0.152	0.508	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-48-4	COBALT	6.53		0.0254	0.127	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-50-8	COPPER	11.2		0.0838	0.508	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-62-2	VANADIUM	32.4		0.0279	0.127	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-66-6	ZINC	57.9		0.711	3.81	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7782-49-2	SELENIUM	0.179	J	0.0508	0.508	mg/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7439-98-7	MOLYBDENUM	0.435		0.0635	0.127	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	6020	1/21/2011	NA	3050B	DE060	23.5	2	7440-39-3	BARIUM	69.6		0.137	0.508	mg/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	7199	1/29/2011		3060A	DE060	23.5	1	18540-29-9	HEXAVALENT CHROMIUM	1.3	U	0.26	1.3	mg/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	7471A	1/24/2011	NA	METHOD	DE060	23.5	1	7439-97-6	MERCURY	0.022	J	0.0036	0.127	mg/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	1024-57-3	HEPTACHLOR EPOXIDE	0.22	UJ	0.044	0.22	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	1031-07-8	ENDOSULFAN SULFATE	0.44	UJ	0.086	0.44	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	2385-85-5	MIREX	0.44	UJ	0.086	0.44	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	309-00-2	ALDRIN	0.22	UJ	0.086	0.22	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	319-84-6	ALPHA-BHC	0.22	UJ	0.044	0.22	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	319-85-7	BETA-BHC	0.22	UJ	0.078	0.22	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	319-86-8	DELTA-BHC	0.22	UJ	0.047	0.22	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	33213-65-9	ENDOSULFAN II	0.44	UJ	0.34	0.44	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	50-29-3	4,4'-DDT	1.9	UJ	1.9	1.9	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	53494-70-5	ENDRIN KETONE	0.44	UJ	0.38	0.44	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	57-74-9	Chlordane	4.4	UJ	3.0	4.4	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	58-89-9	gamma-BHC (Lindane)	0.22	UJ	0.044	0.22	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	60-57-1	DIELDRIN	0.44	UJ	0.086	0.44	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	72-20-8	ENDRIN	0.44	UJ	0.086	0.44	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	72-43-5	METHOXYCHLOR	2.2	UJ	0.44	2.2	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	72-54-8	4,4'-DDD	0.44	UJ	0.34	0.44	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	72-55-9	4,4'-DDE	1.5	UJ	1.5	1.5	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	7421-93-4	ENDRIN ALDEHYDE	0.54	UJ	0.54	0.54	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	76-44-8	HEPTACHLOR	0.26	UJ	0.26	0.26	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	8001-35-2	TOXAPHENE	8.6	UJ	2.9	8.6	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8081A	2/3/2011		3550B	DE060	23.5	1	959-98-8	ENDOSULFAN I	0.22	UJ	0.058	0.22	ug/kg	UJ	U	UJ	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	11096-82-5	AROCLOR 1260	3.3	J	0.43	2.2	ug/kg	J		J	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	11097-69-1	AROCLOR 1254	3.7	J	0.43	2.2	ug/kg	J		J	S	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	11100-14-4	Aroclor 1268	2.2	U	0.43	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	11104-28-2	AROCLOR 1221	2.2	U	0.65	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	11126-42-4	Aroclor 5460	3	J	1.3	4.3	ug/kg	J	J	J	S, L, Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	11141-16-5	AROCLOR 1232	2.2	U	0.68	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	12642-23-8	Aroclor 5442	4.3	UJ	1.3	4.3	ug/kg	UJ	U	UJ	L	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	12672-29-6	AROCLOR 1248	2.2	U	0.43	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	12674-11-2	AROCLOR 1016	2.2	U	0.43	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	37324-23-5	Aroclor 1262	2.2	U	0.43	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	53469-21-9	AROCLOR 1242	2.2	U	0.65	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8082	1/27/2011		3550B	DE060	23.5	1	63496-31-1	Aroclor 5432	4.3	UJ	1.3	4.3	ug/kg	UJ	U	UJ	L	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8151A	2/2/2011		3550B	DE060	23.5	1	120-36-5	DICHLOROPROP	2.2	U	1.0	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8151A	2/2/2011		3550B	DE060	23.5	1	1918-00-9	DICAMBA	1.6	U	0.52	1.6	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8151A	2/2/2011		3550B	DE060	23.5	1	75-99-0	DALAPON	12	U	5.8	12	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8151A	2/2/2011		3550B	DE060	23.5	1	88-85-7	DINOSEB	3.1	R	1.0	3.1	ug/kg	R	U	R	L	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8151A	2/2/2011		3550B	DE060	23.5	1	93-65-2	MCPP	340	R	340	340	ug/kg	R	U	R	Q	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8151A	2/2/2011		3550B	DE060	23.5	1	93-72-1	2,4,5-TP (Silvex)	0.22	U	0.098	0.22	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8151A	2/2/2011		3550B	DE060	23.5	1	93-76-5	2,4,5-T	0.22	U	0.11	0.22	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8151A	2/2/2011		3550B	DE060	23.5	1	94-74-6	MCPA	1700	U	1700	1700	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8151A	2/2/2011		3550B	DE060	23.5	1	94-75-7	2,4-D	4.7	U	3.0	4.7	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8151A	2/2/2011		3550B	DE060	23.5	1	94-82-6	2,4-DB	3.5	R	3.5	3.5	ug/kg	R	U	R	Q	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	100-01-6	4-NITROANILINE	220	U	87	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	100-02-7	4-NITROPHENOL	650	U	220	650	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	100-51-6	BENZYL ALCOHOL	650	U	220	650	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	105-67-9	2,4-DIMETHYLPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	106-44-5	4-METHYLPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	106-46-7	1,4-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	106-47-8	4-CHLOROANILINE	220	U	87	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	108-68-9	3,5-Dimethylphenol	220	U	44	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	108-95-2	PHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	440	U	22	440	ug/kg	U	J	U	B, Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	118-74-1	HEXACHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	120-82-1	1,2,4-TRICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	120-83-2	2,4-DICHLOROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	121-14-2	2,4-DINITROTOLUENE	220	U	44	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	132-64-9	DIBENZOFURAN	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	51-28-5	2,4-DINITROPHENOL	1300	U	870	1300	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	650	U	220	650	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	541-73-1	1,3-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	59-50-7	4-CHLORO-3-METHYLPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	606-20-2	2,6-DINITROTOLUENE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	62-53-3	ANILINE	650	U	220	650	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	65-85-0	BENZOIC ACID	650	U	220	650	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	67-72-1	HEXACHLOROETHANE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	220	U	44	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	650	U	220	650	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	78-59-1	ISOPHORONE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	86-30-6	N-NITROSODIPHENYLAMINE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	86-74-8	CARBAZOLE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	87-68-3	HEXACHLOROBUTADIENE	220	U	87	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	87-86-5	PENTACHLOROPHENOL	650	U	220	650	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	88-06-2	2,4,6-TRICHLOROPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	88-74-4	2-NITROANILINE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	88-75-5	2-NITROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	91-58-7	2-CHLORONAPHTHALENE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	91-94-1	3,3'-DICHLOROBENZIDINE	440	U	130	440	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	92-87-5	BENZIDINE	4400	U	1500	4400	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	95-48-7	2-METHYLPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	95-50-1	1,2-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	95-57-8	2-CHLOROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	95-95-4	2,4,5-TRICHLOROPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	98-95-3	NITROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C	1/27/2011		3550B	DE060	23.5	1	99-09-2	3-NITROANILINE	220	U	44	220	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	117-84-0	Di-n-octylphthalate	24	U	7.8	24	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	120-12-7	ANTHRACENE	2.2	U	0.44	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	129-00-0	PYRENE	3.6		0.87	2.2	ug/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	131-11-3	Dimethylphthalate	24	U	7.8	24	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	191-24-2	BENZO(G,H,I)PERYLENE	1.5	J	0.87	2.2	ug/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.1	J	0.87	2.2	ug/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	205-99-2	BENZO(B)FLUORANTHENE	49		0.87	2.2	ug/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	206-44-0	FLUORANTHENE	3.3		0.87	2.2	ug/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	207-08-9	BENZO(K)FLUORANTHENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	208-96-8	ACENAPHTHYLENE	2.2	U	0.44	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	218-01-9	CHRYSENE	3		0.44	2.2	ug/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	50-32-8	BENZO(A)PYRENE	4.5		0.87	2.2	ug/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	56-55-3	BENZO(A)ANTHRACENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	62-75-9	N-NITROSODIMETHYLAMINE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	83-32-9	ACENAPHTHENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	84-66-2	Diethylphthalate	24	U	7.8	24	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	84-74-2	Di-n-butylphthalate	24	U	7.8	24	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	85-01-8	PHENANTHRENE	1.4	J	0.87	2.2	ug/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	85-68-7	Butylbenzylphthalate	11	J	7.8	24	ug/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	86-73-7	FLUORENE	5.8		0.87	2.2	ug/kg					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	90-12-0	1-METHYLNAPHTHALENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	91-20-3	NAPHTHALENE	1	J	0.87	2.2	ug/kg	J	J	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	8270C SIM	1/25/2011		3550B	DE060	23.5	1	91-57-6	2-METHYLNAPHTHALENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	9045M	1/18/2011		Gen Prep	DE060	23.5	1	pH	PH	7.15		0.0100	0.0100	pH unit					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183555	ASTM D1498	1/18/2011		Gen Prep	DE060	23.5	1	REDOX	Oxidation Reduction Potential	391		10.0	10.0	mv					MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	1746-01-6	2,3,7,8-TCDD	1.31	U	0.0507	1.31	ng/kg		U			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.354	J	0.0575	6.54	ng/kg	J	JQ	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	3268-87-9	OCDD	54.6		0.0522	13.1	ng/kg		B			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	7.27		0.0629	6.54	ng/kg		B			MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	39001-02-0	OCDF	2.84	J	0.0610	13.1	ng/kg	J	JB	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.183	J	0.0590	6.54	ng/kg	J	JQ	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	40321-76-4	1,2,3,7,8-PECDD	0.245	J	0.0590	6.54	ng/kg	J	JQ	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	1613B	2/2/2011		METHOD	DX038	23.5	1	51207-31-9	2,3,7,8-TCDF	0.338	J	0.162	1.31	ng/kg	J	JQ	J	Z	MDL	PQL	6345166.501	1908364.707
SED-009-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183577	160.3M	1/19/2011		Gen Prep	DX038	23.5	1	MOIST	MOISTURE	23.5		0.50	0.50	%					MDL	PQL	6345166.501	1908364.707
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7439-92-1	LEAD	8.58		0.0121	0.233	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7440-02-0	NICKEL	8.35		0.116	0.465	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7440-22-4	SILVER	0.0232	J	0.0140	0.116	mg/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7440-28-0	THALLIUM	0.247		0.0349	0.116	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7440-36-0	ANTIMONY	0.233	UJ	0.0698	0.233	mg/kg	UJ	U	UJ	Q	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7440-38-2	ARSENIC	9.04	J	0.0698	0.465	mg/kg	J		J	E, Q	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7440-41-7	BERYLLIUM	0.407		0.0186	0.116	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7440-43-9	CADMIUM	0.152		0.0419	0.116	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7440-47-3	CHROMIUM	11.8	J	0.140	0.465	mg/kg	J		J	*#	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7440-48-4	COBALT	4.17	J	0.0233	0.116	mg/kg	J		J	*#	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7440-66-6	ZINC	58		0.651	3.49	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	7199	1/20/2011		3060A	DE051	18.1	1	18540-29-9	HEXAVALENT CHROMIUM	1.2	U	0.24	1.2	mg/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	7471A	1/2/2011	NA	METHOD	DE051	18.1	1	7439-97-6	MERCURY	0.0093	J	0.0035	0.122	mg/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	1024-57-3	HEPTACHLOR EPOXIDE	0.2	U	0.067	0.20	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	1031-07-8	ENDOSULFAN SULFATE	0.61	U	0.61	0.61	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	2385-85-5	MIREX	0.5	U	0.50	0.50	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	309-00-2	ALDRIN	0.2	U	0.081	0.20	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	319-84-6	ALPHA-BHC	0.2	U	0.042	0.20	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	319-85-7	BETA-BHC	0.2	U	0.073	0.20	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	319-86-8	DELTA-BHC	0.2	U	0.11	0.20	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	33213-65-9	ENDOSULFAN II	0.44	U	0.44	0.44	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	50-29-3	4,4'-DDT	0.9	U	0.90	0.90	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	53494-70-5	ENDRIN KETONE	0.42	U	0.30	0.42	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	57-74-9	Chlordane	4.2	U	3.7	4.2	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	58-89-9	gamma-BHC (Lindane)	0.2	U	0.042	0.20	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	60-57-1	DIELDRIN	0.42	U	0.31	0.42	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	72-20-8	ENDRIN	0.42	U	0.081	0.42	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	72-43-5	METHOXYCHLOR	2	U	1.3	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	72-54-8	4,4'-DDD	0.42	U	0.22	0.42	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	72-55-9	4,4'-DDE	1.1		0.081	0.42	ug/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	7421-93-4	ENDRIN ALDEHYDE	0.42	U	0.33	0.42	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	76-44-8	HEPTACHLOR	0.2	U	0.073	0.20	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	8001-35-2	TOXAPHENE	8.1	U	2.7	8.1	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8081A	1/20/2011		3550B	DE051	18.1	1	959-98-8	ENDOSULFAN I	0.21	U	0.21	0.21	ug/kg		U			MDL	PQL	6345291.486	1908419.036

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	11096-82-5	AROCLOR 1260	1.2	J	0.40	2.1	ug/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	11097-69-1	AROCLOR 1254	2	J	0.40	2.1	ug/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	11100-14-4	Aroclor 1268	2.1	U	0.40	2.1	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	11104-28-2	AROCLOR 1221	2.1	U	0.61	2.1	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	11126-42-4	Aroclor 5460	4	U	1.2	4.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	11141-16-5	AROCLOR 1232	2.1	U	0.63	2.1	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	12642-23-8	Aroclor 5442	4	U	1.2	4.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	12672-29-6	AROCLOR 1248	2.1	U	0.40	2.1	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	12674-11-2	AROCLOR 1016	2.1	U	0.40	2.1	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	37324-23-5	Aroclor 1262	2.1	U	0.40	2.1	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	53469-21-9	AROCLOR 1242	2.1	U	0.61	2.1	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8082	1/12/2011		3550B	DE051	18.1	1	63496-31-1	Aroclor 5432	4	U	1.2	4.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8151A	1/10/2011		3550B	DE051	18.1	1	120-36-5	DICHLOROPROP	2.1	U	0.98	2.1	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8151A	1/10/2011		3550B	DE051	18.1	1	1918-00-9	DICAMBA	0.74	U	0.74	0.74	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8151A	1/10/2011		3550B	DE051	18.1	1	75-99-0	DALAPON	11	U	5.4	11	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8151A	1/10/2011		3550B	DE051	18.1	1	88-85-7	DINOSEB	2.9	R	0.98	2.9	ug/kg	R	U	R	L	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8151A	1/10/2011		3550B	DE051	18.1	1	93-65-2	MCPP	310	U	92	310	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8151A	1/10/2011		3550B	DE051	18.1	1	93-72-1	2,4,5-TP (Silvex)	0.21	U	0.092	0.21	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8151A	1/10/2011		3550B	DE051	18.1	1	93-76-5	2,4,5-T	0.21	U	0.10	0.21	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8151A	1/10/2011		3550B	DE051	18.1	1	94-74-6	MCPA	310	U	290	310	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8151A	1/10/2011		3550B	DE051	18.1	1	94-75-7	2,4-D	4.4	U	1.5	4.4	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8151A	1/10/2011		3550B	DE051	18.1	1	94-82-6	2,4-DB	2.1	U	0.76	2.1	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	100-01-6	4-NITROANILINE	200	U	81	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	100-02-7	4-NITROPHENOL	610	U	200	610	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	100-51-6	BENZYL ALCOHOL	610	U	200	610	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	105-67-9	2,4-DIMETHYLPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	106-44-5	4-METHYLPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	106-46-7	1,4-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	106-47-8	4-CHLOROANILINE	200	U	81	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	108-68-9	3,5-Dimethylphenol	200	U	41	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	108-95-2	PHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	130	J	20	410	ug/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	118-74-1	HEXACHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	120-82-1	1,2,4-TRICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	120-83-2	2,4-DICHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	121-14-2	2,4-DINITROTOLUENE	200	U	41	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	132-64-9	DIBENZOFURAN	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	51-28-5	2,4-DINITROPHENOL	2400	U	810	2400	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	610	U	200	610	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	541-73-1	1,3-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	59-50-7	4-CHLORO-3-METHYLPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	606-20-2	2,6-DINITROTOLUENE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	62-53-3	ANILINE	610	U	200	610	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	65-85-0	BENZOIC ACID	610	U	200	610	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	67-72-1	HEXACHLOROETHANE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	200	U	41	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	610	U	200	610	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	78-59-1	ISOPHORONE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	86-30-6	N-NITROSODIPHENYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	86-74-8	CARBAZOLE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	87-68-3	HEXACHLOROBUTADIENE	200	U	81	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	87-86-5	PENTACHLOROPHENOL	610	U	200	610	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	88-06-2	2,4,6-TRICHLOROPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	88-74-4	2-NITROANILINE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	88-75-5	2-NITROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	91-58-7	2-CHLORONAPHTHALENE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	91-94-1	3,3'-DICHLOROBENZIDINE	410	U	120	410	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	92-87-5	BENZIDINE	4100	U	1400	4100	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	95-48-7	2-METHYLPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	95-50-1	1,2-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	95-57-8	2-CHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	95-95-4	2,4,5-TRICHLOROPHENOL	200	U	41	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	98-95-3	NITROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C	1/20/2011		3550B	DE051	18.1	1	99-09-2	3-NITROANILINE	200	U	41	200	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	117-84-0	Di-n-octylphthalate	22	U	7.3	22	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	120-12-7	ANTHRACENE	2	U	0.41	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	129-00-0	PYRENE	1	J	0.81	2.0	ug/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	131-11-3	Dimethylphthalate	22	U	7.3	22	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	191-24-2	BENZO(G,H,I)PERYLENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	205-99-2	BENZO(B)FLUORANTHENE	1.2	J	0.81	2.0	ug/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	206-44-0	FLUORANTHENE	1.1	J	0.81	2.0	ug/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	207-08-9	BENZO(K)FLUORANTHENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	208-96-8	ACENAPHTHYLENE	2	U	0.41	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	218-01-9	CHRYSENE	1.1	J	0.41	2.0	ug/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	50-32-8	BENZO(A)PYRENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	56-55-3	BENZO(A)ANTHRACENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	62-75-9	N-NITROSODIMETHYLAMINE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	83-32-9	ACENAPHTHENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	84-66-2	Diethylphthalate	22	U	7.3	22	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	84-74-2	Di-n-butylphthalate	22	U	7.3	22	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	85-01-8	PHENANTHRENE	1.8	J	0.81	2.0	ug/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	85-68-7	Butylbenzylphthalate	22	U	7.3	22	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	86-73-7	FLUORENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	90-12-0	1-METHYLNAPHTHALENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	91-20-3	NAPHTHALENE	1	J	0.81	2.0	ug/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	8270C SIM	1/13/2011		3550B	DE051	18.1	1	91-57-6	2-METHYLNAPHTHALENE	2	U	0.81	2.0	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	9045M	12/27/2010		Gen Prep	DE051	18.1	1	pH	PH	7.98		0.0100	0.0100	pH unit					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	ASTM D1498	12/27/2010		Gen Prep	DE051	18.1	1	REDOX	Oxidation Reduction Potential	434		10.0	10.0	mv					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	160.3M	1/7/2011		Gen Prep	DE051	18.1	1	MOIST	MOISTURE	18.1		0.50	0.50	%					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	300.0	1/14/2011		METHOD	DE051	18.1	1	16984-48-8	FLUORIDE	1.4		0.98	1.2	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	314.0	1/14/2011		METHOD	DE051	18.1	1	14797-73-0	PERCHLORATE	36.6	U	11.0	36.6	ug/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7429-90-5	ALUMINUM	8910		5.96	23.7	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7439-89-6	IRON	15400	J	5.58	23.7	mg/kg	J		J	E	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7439-93-2	LITHIUM	23.2		0.26	2.4	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7439-95-4	MAGNESIUM	3720	J	3.01	11.9	mg/kg	J		J	E	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7439-96-5	MANGANESE	301		0.0925	0.593	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7440-09-7	POTASSIUM	2890	J	21.3	59.3	mg/kg	J		J	Q	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7440-23-5	SODIUM	56.7	J	44.2	119	mg/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7440-24-6	STRONTIUM	13.2	J	0.0735	0.593	mg/kg	J		J	E	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7440-31-5	TIN	2.4	J	1.19	11.9	mg/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7440-32-6	TITANIUM	873		0.450	1.19	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7440-42-8	BORON	6.51		1.06	5.93	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7440-67-7	Zirconium	5.93	U	0.996	5.93	mg/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7440-70-2	CALCIUM	4260	J	7.27	23.7	mg/kg	J		J	E	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6010B	12/31/2010	NA	3050B	DE051	18.1	1	7723-14-0	PHOSPHORUS	378	J	0.664	11.9	mg/kg	J		J	Q	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7782-49-2	SELENIUM	0.465	U	0.0465	0.465	mg/kg	U	J	U	B, Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7439-98-7	MOLYBDENUM	0.276		0.0581	0.116	mg/kg					MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/6/2011	NA	3050B	DE051	18.1	2	7440-39-3	BARIUM	72.5	J	0.126	0.465	mg/kg	J		J	*#	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/12/2011	NA	3050B	DE051	18.1	2	7440-50-8	COPPER	5.42	J	0.0775	0.470	mg/kg	J		J	E	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173163	6020	1/12/2011	NA	3050B	DE051	18.1	2	7440-62-2	VANADIUM	23.9	J	0.0258	0.117	mg/kg	J		J	E	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	1746-01-6	2,3,7,8-TCDD	0.0453	J	0.0269	1.22	ng/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.368	J	0.0502	6.11	ng/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	3268-87-9	OCDD	58.4		0.0484	12.2	ng/kg		B			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	7.16		0.0579	6.11	ng/kg		B			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	39001-02-0	OCDF	2.13	J	0.0333	12.2	ng/kg	J	JB	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	39227-28-6	1,2,3,4,7,8-HxCDD	6.11	U	0.0512	6.11	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	40321-76-4	1,2,3,7,8-PECDD	0.22	J	0.0364	6.11	ng/kg	J	JQ	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	51207-31-9	2,3,7,8-TCDF	1.22	U	0.0486	1.22	ng/kg		U			MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	6.11	U	0.0291	6.11	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	57117-31-4	2,3,4,7,8-PECDF	0.397	J	0.0197	6.11	ng/kg	J	JB	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	57117-41-6	1,2,3,7,8-PECDF	6.11	U	0.0155	6.11	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	57117-44-9	1,2,3,6,7,8-HXCDF	6.11	U	0.0228	6.11	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.467	J	0.0525	6.11	ng/kg	J	J	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	60851-34-5	2,3,4,6,7,8-HXCDF	6.11	U	0.0237	6.11	ng/kg	U	JB	U	B, Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	1.09	J	0.0226	6.11	ng/kg	J	JB	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.287	J	0.0288	6.11	ng/kg	J	JBQ	J	Z	MDL	PQL	6345291.486	1908419.036
SED-010-SIV-SD-0.0-0.5	12/22/2010	N	0	0.5	ft bgs	SE	SED		6173200	1613B	1/30/2011		METHOD	DX034	18.1	1	72918-21-9	1,2,3,7,8,9-HXCDF	6.11	U	0.0254	6.11	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345291.486	1908419.036
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	95-50-1	1,2-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	95-57-8	2-CHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	98-95-3	NITROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	99-09-2	3-NITROANILINE	180	U	37	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	117-84-0	Di-n-octylphthalate	8.6	J	6.6	20	ug/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	120-12-7	ANTHRACENE	0.4	J	0.37	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	129-00-0	PYRENE	3.7		0.74	1.8	ug/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	131-11-3	Dimethylphthalate	20	U	6.6	20	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	191-24-2	BENZO(G,H,I)PERYLENE	1.6	J	0.74	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.2	J	0.74	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	205-99-2	BENZO(B)FLUORANTHENE	3.7		0.74	1.8	ug/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	206-44-0	FLUORANTHENE	4		0.74	1.8	ug/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	207-08-9	BENZO(K)FLUORANTHENE	1.1	J	0.74	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	208-96-8	ACENAPHTHYLENE	1.8	U	0.37	1.8	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	218-01-9	CHRYSENE	2.7		0.37	1.8	ug/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	50-32-8	BENZO(A)PYRENE	2		0.74	1.8	ug/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	56-55-3	BENZO(A)ANTHRACENE	1.5	J	0.74	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	62-75-9	N-NITROSODIMETHYLAMINE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	83-32-9	ACENAPHTHENE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	84-66-2	Diethylphthalate	20	U	6.6	20	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	84-74-2	Di-n-butylphthalate	20	U	6.6	20	ug/kg		U			MDL	PQL	6345646.142	1908545.571

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	85-01-8	PHENANTHRENE	2.5		0.74	1.8	ug/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	85-68-7	Butylbenzylphthalate	20	U	6.6	20	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	86-73-7	FLUORENE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	90-12-0	1-METHYLNAPHTHALENE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	91-20-3	NAPHTHALENE	1.5	J	0.74	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C SIM	1/6/2011		3550B	DE042	9.3	1	91-57-6	2-METHYLNAPHTHALENE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	9045M	12/20/2010		Gen Prep	DE042	9.3	1	pH	PH	7.19		0.0100	0.0100	pH unit					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	ASTM D1498	12/20/2010		Gen Prep	DE042	9.3	1	REDOX	Oxidation Reduction Potential	437		10.0	10.0	mv					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	160.3M	12/23/2010		Gen Prep	DE042	9.3	1	MOIST	MOISTURE	9.3		0.50	0.50	%					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	300.0	1/12/2011		METHOD	DE042	9.3	1	16984-48-8	FLUORIDE	2		0.88	1.1	mg/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	314.0	1/12/2011		METHOD	DE042	9.3	1	14797-73-0	PERCHLORATE	33.1	U	9.9	33.1	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7429-90-5	ALUMINUM	11500		5.44	21.6	mg/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7439-89-6	IRON	18200		5.09	21.6	mg/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7439-93-2	LITHIUM	23.4	J	0.24	2.2	mg/kg	J		J	*#	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7439-95-4	MAGNESIUM	4210		2.75	10.8	mg/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7439-96-5	MANGANESE	330		0.0843	0.540	mg/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7440-09-7	POTASSIUM	3370	J	19.5	54.0	mg/kg	J		J	Q	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7440-23-5	SODIUM	75.3	J	40.3	108	mg/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7440-24-6	STRONTIUM	18.4		0.0670	0.540	mg/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7440-31-5	TIN	10.8	U	1.08	10.8	mg/kg	U	J	U	B, Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7440-32-6	TITANIUM	1080		0.411	1.08	mg/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7440-42-8	BORON	5.55		0.962	5.40	mg/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7440-67-7	Zirconium	5.4	U	0.908	5.40	mg/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7440-70-2	CALCIUM	3840		6.63	21.6	mg/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6010B	12/30/2010	NA	3050B	DE042	9.3	1	7723-14-0	PHOSPHORUS	457	J	0.605	10.8	mg/kg	J		J	Q	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	1/4/2011	NA	3050B	DE042	9.3	2	7782-49-2	SELENIUM	0.148	J	0.0441	0.441	mg/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7439-98-7	MOLYBDENUM	0.641	J	0.0551	0.110	mg/kg	J		J	Q	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-39-3	BARIUM	119	J	0.119	0.441	mg/kg	J		J	E, *#	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7439-92-1	LEAD	13.8	J	0.0115	0.221	mg/kg	J		J	E, *#	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-02-0	NICKEL	12.9	J	0.110	0.441	mg/kg	J		J	E, Q, *#	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-22-4	SILVER	0.0437	J	0.0132	0.110	mg/kg	J	J	J	Q, Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-28-0	THALLIUM	0.368	J	0.0331	0.110	mg/kg	J		J	Q	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-36-0	ANTIMONY	0.221	UJ	0.0662	0.221	mg/kg	UJ	J	UJ	B, Q, Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-38-2	ARSENIC	6.56	J	0.0662	0.441	mg/kg	J		J	E, Q	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-41-7	BERYLLIUM	0.675	J	0.0176	0.110	mg/kg	J		J	E, Q	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-43-9	CADMIUM	0.279	J	0.0397	0.110	mg/kg	J		J	Q	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-47-3	CHROMIUM	20.1	J	0.132	0.441	mg/kg	J		J	E, Q, *#	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-48-4	COBALT	6.24	J	0.0221	0.110	mg/kg	J		J	Q, *#	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-50-8	COPPER	9.7	J	0.0728	0.441	mg/kg	J		J	E, Q, *#	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-62-2	VANADIUM	41.7	J	0.0243	0.110	mg/kg	J		J	E, Q, *#	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6020	12/30/2010	NA	3050B	DE042	9.3	2	7440-66-6	ZINC	91.8	J	0.617	3.31	mg/kg	J		J	E	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	6850	1/5/2011		METHOD	DE042	9.3	1	14797-73-0	PERCHLORATE	5.5	U	2.3	5.5	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	7199	1/18/2011		3060A	DE042	9.3	1	18540-29-9	HEXAVALENT CHROMIUM	0.6	J	0.22	1.1	mg/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	7471A	12/23/2010	NA	METHOD	DE042	9.3	1	7439-97-6	MERCURY	0.105	U	0.0030	0.105	mg/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	1024-57-3	HEPTACHLOR EPOXIDE	0.45	U	0.45	0.45	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	1031-07-8	ENDOSULFAN SULFATE	0.37	U	0.34	0.37	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	2385-85-5	MIREX	0.6	U	0.60	0.60	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	309-00-2	ALDRIN	0.18	U	0.15	0.18	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	319-84-6	ALPHA-BHC	1.2	J	0.037	0.18	ug/kg	J		J	S	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	319-85-7	BETA-BHC	0.18	U	0.066	0.18	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	319-86-8	DELTA-BHC	0.27	J	0.040	0.18	ug/kg	J		J	S	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	33213-65-9	ENDOSULFAN II	0.37	U	0.30	0.37	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	50-29-3	4,4'-DDT	1.2	U	1.2	1.2	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	53494-70-5	ENDRIN KETONE	0.37	U	0.073	0.37	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	57-74-9	Chlordane	5	U	5.0	5.0	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	58-89-9	gamma-BHC (Lindane)	0.18	U	0.11	0.18	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	60-57-1	DIELDRIN	0.37	U	0.073	0.37	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	72-20-8	ENDRIN	0.37	U	0.073	0.37	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	72-43-5	METHOXYCHLOR	1.8	U	0.37	1.8	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	72-54-8	4,4'-DDD	0.37	U	0.073	0.37	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	72-55-9	4,4'-DDE	1.4	U	1.4	1.4	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	7421-93-4	ENDRIN ALDEHYDE	0.64	U	0.64	0.64	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	76-44-8	HEPTACHLOR	0.18	U	0.13	0.18	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	8001-35-2	TOXAPHENE	7.3	U	2.4	7.3	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8081A	1/24/2011		3550B	DE042	9.3	1	959-98-8	ENDOSULFAN I	0.13	J	0.049	0.18	ug/kg	J	J	J	S, Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	11096-82-5	AROCLOR 1260	1.1	J	0.36	1.9	ug/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	11097-69-1	AROCLOR 1254	2.2		0.36	1.9	ug/kg					MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	11100-14-4	Aroclor 1268	1.9	U	0.36	1.9	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	11104-28-2	AROCLOR 1221	1.9	U	0.55	1.9	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	11126-42-4	Aroclor 5460	2.6	J	1.1	3.6	ug/kg	J	J	J	L, Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	11141-16-5	AROCLOR 1232	1.9	U	0.57	1.9	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	12642-23-8	Aroclor 5442	3.6	UJ	1.1	3.6	ug/kg	UJ	U	UJ	L	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	12672-29-6	AROCLOR 1248	1.9	U	0.36	1.9	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	12674-11-2	AROCLOR 1016	1.9	U	0.36	1.9	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	37324-23-5	Aroclor 1262	1.9	U	0.36	1.9	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	53469-21-9	AROCLOR 1242	1.9	U	0.55	1.9	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8082	12/30/2010		3550B	DE042	9.3	1	63496-31-1	Aroclor 5432	3.6	UJ	1.1	3.6	ug/kg	UJ	U	UJ	L	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8151A	1/2/2011		3550B	DE042	9.3	1	120-36-5	DICHLOROPROP	1.9	U	0.88	1.9	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8151A	1/2/2011		3550B	DE042	9.3	1	1918-00-9	DICAMBA	0.59	J	0.44	1.3	ug/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8151A	1/2/2011		3550B	DE042	9.3	1	75-99-0	DALAPON	9.9	U	4.9	9.9	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8151A	1/2/2011		3550B	DE042	9.3	1	88-85-7	DINOSEB	2.6	R	0.88	2.6	ug/kg	R	U	R	L	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8151A	1/2/2011		3550B	DE042	9.3	1	93-65-2	MCPP	280	U	83	280	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8151A	1/2/2011		3550B	DE042	9.3	1	93-72-1	2,4,5-TP (Silvex)	0.19	U	0.083	0.19	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8151A	1/2/2011		3550B	DE042	9.3	1	93-76-5	2,4,5-T	0.19	U	0.090	0.19	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8151A	1/2/2011		3550B	DE042	9.3	1	94-74-6	MCPA	280	U	84	280	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8151A	1/2/2011		3550B	DE042	9.3	1	94-75-7	2,4-D	1.9	J	1.3	4.0	ug/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8151A	1/2/2011		3550B	DE042	9.3	1	94-82-6	2,4-DB	8.9	U	8.9	8.9	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	100-01-6	4-NITROANILINE	180	U	74	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	100-02-7	4-NITROPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	100-51-6	BENZYL ALCOHOL	550	U	180	550	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	105-67-9	2,4-DIMETHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	106-44-5	4-METHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	106-46-7	1,4-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	106-47-8	4-CHLOROANILINE	180	U	74	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	108-68-9	3,5-Dimethylphenol	180	U	37	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	108-95-2	PHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	95	J	18	370	ug/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	118-74-1	HEXACHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	120-82-1	1,2,4-TRICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	120-83-2	2,4-DICHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	121-14-2	2,4-DINITROTOLUENE	180	U	37	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	132-64-9	DIBENZOFURAN	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	51-28-5	2,4-DINITROPHENOL	2200	U	740	2200	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	541-73-1	1,3-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	59-50-7	4-CHLORO-3-METHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	606-20-2	2,6-DINITROTOLUENE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	62-53-3	ANILINE	550	U	180	550	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	65-85-0	BENZOIC ACID	550	U	180	550	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	67-72-1	HEXACHLOROETHANE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	180	U	37	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	550	U	180	550	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	78-59-1	ISOPHORONE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	86-30-6	N-NITROSODIPHENYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	86-74-8	CARBAZOLE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	87-68-3	HEXACHLOROBUTADIENE	180	U	74	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	87-86-5	PENTACHLOROPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	88-06-2	2,4,6-TRICHLOROPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	88-74-4	2-NITROANILINE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	88-75-5	2-NITROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	91-58-7	2-CHLORONAPHTHALENE	180	U	18	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	91-94-1	3,3'-DICHLOROBENZIDINE	370	U	110	370	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	92-87-5	BENZIDINE	3700	U	1300	3700	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167468	8270C	1/19/2011		3550B	DE042	9.3	1	95-48-7	2-METHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	1746-01-6	2,3,7,8-TCDD	0.12	J	0.0259	1.10	ng/kg	J	J	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	19408-74-3	1,2,3,7,8,9-HXCDD	1.06	J	0.0219	5.51	ng/kg	J	JB	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	3268-87-9	OCDD	314		0.0649	11.0	ng/kg		B			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	32.2		0.0462	5.51	ng/kg		B			MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	39001-02-0	OCDF	10.8	J	0.0277	11.0	ng/kg	J	JB	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.511	J	0.0213	5.51	ng/kg	J	JB	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	40321-76-4	1,2,3,7,8-PECDD	0.432	J	0.0523	5.51	ng/kg	J	JB	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	51207-31-9	2,3,7,8-TCDF	1.1	U	0.0351	1.10	ng/kg	U	JB	U	B, Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	0.462	J	0.0233	5.51	ng/kg	J	JB	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	57117-31-4	2,3,4,7,8-PECDF	0.515	J	0.0161	5.51	ng/kg	J	JB	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	57117-41-6	1,2,3,7,8-PECDF	0.307	J	0.0160	5.51	ng/kg	J	JB	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.51	U	0.0173	5.51	ng/kg	U	JB	U	B, Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	57653-85-7	1,2,3,6,7,8-HXCDD	1.4	J	0.0225	5.51	ng/kg	J	JB	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	60851-34-5	2,3,4,6,7,8-HXCDF	5.51	U	0.0191	5.51	ng/kg	U	JB	U	B, Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	5.49	J	0.0166	5.51	ng/kg	J	JB	J	Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.51	U	0.0192	5.51	ng/kg	U	JB	U	B, Z	MDL	PQL	6345646.142	1908545.571
SED-011-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167492	1613B	1/21/2011		METHOD	DX026	9.3	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.51	U	0.0209	5.51	ng/kg	U	JB	U	B, Z	MDL	PQL	6345646.142	1908545.571
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	160.3M	12/20/2010		Gen Prep	DE045	5.8	1	MOIST	MOISTURE	5.8		0.50	0.50	%					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	300.0	1/11/2011		METHOD	DE045	5.8	1	16984-48-8	FLUORIDE	1.7		0.85	1.1	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	314.0	1/11/2011		METHOD	DE045	5.8	1	14797-73-0	PERCHLORATE	31.8	U	9.6	31.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7429-90-5	ALUMINUM	7920		5.34	21.2	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7439-89-6	IRON	14400		5.00	21.2	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7439-93-2	LITHIUM	17.6		0.23	2.1	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7439-95-4	MAGNESIUM	3640		2.70	10.6	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7439-96-5	MANGANESE	209		0.0828	0.531	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7440-09-7	POTASSIUM	2450		19.1	53.1	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7440-23-5	SODIUM	78.1	J	39.6	106	mg/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7440-24-6	STRONTIUM	10.3		0.0658	0.531	mg/kg					MDL	PQL	6345779.939	1908281.723

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7440-31-5	TIN	10.6	U	1.06	10.6	mg/kg	U	J	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7440-32-6	TITANIUM	786		0.403	1.06	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7440-42-8	BORON	6.39		0.945	5.31	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7440-67-7	Zirconium	1.57	J	0.892	5.31	mg/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7440-70-2	CALCIUM	3220		6.51	21.2	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6010B	12/30/2010	NA	3050B	DE045	5.8	1	7723-14-0	PHOSPHORUS	327		0.594	10.6	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7439-92-1	LEAD	9.9	J	0.0105	0.202	mg/kg	J		J	Q	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-02-0	NICKEL	9.76	J	0.101	0.404	mg/kg	J		J	Q, *#	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-22-4	SILVER	0.0246	J	0.0121	0.101	mg/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-28-0	THALLIUM	0.216		0.0303	0.101	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-36-0	ANTIMONY	0.1	J	0.0607	0.202	mg/kg	J	J	J	Q, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-38-2	ARSENIC	5.73	J	0.0607	0.404	mg/kg	J		J	Q	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-41-7	BERYLLIUM	0.405		0.0162	0.101	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-43-9	CADMIUM	0.157	J	0.0364	0.101	mg/kg	J		J	Q	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-47-3	CHROMIUM	15.3	J	0.121	0.404	mg/kg	J		J	Q	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-48-4	COBALT	4.48	J	0.0202	0.101	mg/kg	J		J	*#	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-50-8	COPPER	7.46	J	0.0667	0.404	mg/kg	J		J	Q	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-62-2	VANADIUM	32.1	J	0.0222	0.101	mg/kg	J		J	Q	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-66-6	ZINC	64.1		0.566	3.03	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7782-49-2	SELENIUM	0.172	J	0.0404	0.404	mg/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7439-98-7	MOLYBDENUM	0.478	J	0.0506	0.101	mg/kg	J		J	Q	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	6020	1/3/2011	NA	3050B	DE045	5.8	2	7440-39-3	BARIUM	65.3		0.109	0.404	mg/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	7199	1/20/2011		3060A	DE045	5.8	1	18540-29-9	HEXAVALENT CHROMIUM	0.56	J	0.21	1.1	mg/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	7471A	12/28/2010	NA	METHOD	DE045	5.8	1	7439-97-6	MERCURY	0.0078	J	0.0029	0.101	mg/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	1024-57-3	HEPTACHLOR EPOXIDE	0.18	U	0.036	0.18	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	1031-07-8	ENDOSULFAN SULFATE	0.36	U	0.070	0.36	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	2385-85-5	MIREX	0.36	U	0.070	0.36	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	309-00-2	ALDRIN	0.18	U	0.070	0.18	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	319-84-6	ALPHA-BHC	0.18	U	0.036	0.18	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	319-85-7	BETA-BHC	0.18	U	0.064	0.18	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	319-86-8	DELTA-BHC	0.18	U	0.038	0.18	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	33213-65-9	ENDOSULFAN II	0.36	U	0.11	0.36	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	50-29-3	4,4'-DDT	1.4		0.070	0.36	ug/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	53494-70-5	ENDRIN KETONE	0.36	U	0.070	0.36	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	57-74-9	Chlordane	3.6	U	0.85	3.6	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	58-89-9	gamma-BHC (Lindane)	0.18	U	0.036	0.18	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	60-57-1	DIELDRIN	0.12	J	0.070	0.36	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	72-20-8	ENDRIN	0.36	U	0.070	0.36	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	72-43-5	METHOXYCHLOR	1.8	U	0.36	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	72-54-8	4,4'-DDD	0.35	J	0.070	0.36	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	72-55-9	4,4'-DDE	1		0.070	0.36	ug/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	7421-93-4	ENDRIN ALDEHYDE	0.4		0.070	0.36	ug/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	76-44-8	HEPTACHLOR	0.18	U	0.064	0.18	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	8001-35-2	TOXAPHENE	7	U	2.3	7.0	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8081A	1/8/2011		3550B	DE045	5.8	1	959-98-8	ENDOSULFAN I	0.18	U	0.047	0.18	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	11096-82-5	AROCLOR 1260	1.8	U	1.1	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	11097-69-1	AROCLOR 1254	1.8	U	0.47	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	11100-14-4	Aroclor 1268	1.8	U	0.35	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	11104-28-2	AROCLOR 1221	1.8	U	0.53	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	11126-42-4	Aroclor 5460	3.5	UJ	1.1	3.5	ug/kg	UJ	U	UJ	L	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	11141-16-5	AROCLOR 1232	1.8	U	0.55	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	12642-23-8	Aroclor 5442	3.5	UJ	1.1	3.5	ug/kg	UJ	U	UJ	L	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	12672-29-6	AROCLOR 1248	1.8	U	0.35	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	12674-11-2	AROCLOR 1016	1.8	U	0.35	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	37324-23-5	Aroclor 1262	1.8	U	0.35	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	53469-21-9	AROCLOR 1242	1.8	U	0.53	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8082	1/6/2011		3550B	DE045	5.8	1	63496-31-1	Aroclor 5432	3.5	UJ	1.1	3.5	ug/kg	UJ	U	UJ	L	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8151A	1/1/2011		3550B	DE045	5.8	1	120-36-5	DICHLOROPROP	1.8	U	0.85	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8151A	1/1/2011		3550B	DE045	5.8	1	1918-00-9	DICAMBA	0.77	J	0.42	1.3	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8151A	1/1/2011		3550B	DE045	5.8	1	75-99-0	DALAPON	9.6	U	4.7	9.6	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8151A	1/1/2011		3550B	DE045	5.8	1	88-85-7	DINOSEB	2.5	R	0.85	2.5	ug/kg	R	U	R	L	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8151A	1/1/2011		3550B	DE045	5.8	1	93-65-2	MCPP	240	J	80	270	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8151A	1/1/2011		3550B	DE045	5.8	1	93-72-1	2,4,5-TP (Silvex)	0.18	U	0.080	0.18	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8151A	1/1/2011		3550B	DE045	5.8	1	93-76-5	2,4,5-T	0.18	U	0.087	0.18	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8151A	1/1/2011		3550B	DE045	5.8	1	94-74-6	MCPA	270	U	81	270	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8151A	1/1/2011		3550B	DE045	5.8	1	94-75-7	2,4-D	3.8	U	1.3	3.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8151A	1/1/2011		3550B	DE045	5.8	1	94-82-6	2,4-DB	6.9	U	6.9	6.9	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	100-01-6	4-NITROANILINE	180	U	71	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	100-02-7	4-NITROPHENOL	530	U	180	530	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	100-51-6	BENZYL ALCOHOL	530	U	180	530	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	105-67-9	2,4-DIMETHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	106-44-5	4-METHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	106-46-7	1,4-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	106-47-8	4-CHLOROANILINE	180	U	71	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	108-68-9	3,5-Dimethylphenol	180	U	35	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	108-95-2	PHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	118-74-1	HEXACHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	120-82-1	1,2,4-TRICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	120-83-2	2,4-DICHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	121-14-2	2,4-DINITROTOLUENE	180	U	35	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	132-64-9	DIBENZOFURAN	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	51-28-5	2,4-DINITROPHENOL	2100	U	710	2100	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	530	U	180	530	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	541-73-1	1,3-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	59-50-7	4-CHLORO-3-METHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	606-20-2	2,6-DINITROTOLUENE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	62-53-3	ANILINE	530	U	180	530	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	65-85-0	BENZOIC ACID	530	U	180	530	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	67-72-1	HEXACHLOROETHANE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	180	U	35	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	530	U	180	530	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	78-59-1	ISOPHORONE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	86-30-6	N-NITROSODIPHENYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	86-74-8	CARBAZOLE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	87-68-3	HEXACHLOROBUTADIENE	180	U	71	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	87-86-5	PENTACHLOROPHENOL	530	U	180	530	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	88-06-2	2,4,6-TRICHLOROPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	88-74-4	2-NITROANILINE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	88-75-5	2-NITROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	91-58-7	2-CHLORONAPHTHALENE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	91-94-1	3,3'-DICHLOROBENZIDINE	350	U	110	350	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	92-87-5	BENZIDINE	3500	U	1200	3500	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	95-48-7	2-METHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	95-50-1	1,2-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	95-57-8	2-CHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	98-95-3	NITROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C	1/18/2011		3550B	DE045	5.8	1	99-09-2	3-NITROANILINE	180	U	35	180	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	13	J	6.4	19	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	117-84-0	Di-n-octylphthalate	19	U	6.4	19	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	120-12-7	ANTHRACENE	1.8	U	0.35	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	129-00-0	PYRENE	1.8		0.71	1.8	ug/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	131-11-3	Dimethylphthalate	19	U	6.4	19	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	191-24-2	BENZO(G,H,I)PERYLENE	0.82	J	0.71	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.8	U	0.71	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	205-99-2	BENZO(B)FLUORANTHENE	2.2		0.71	1.8	ug/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	206-44-0	FLUORANTHENE	2		0.71	1.8	ug/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	207-08-9	BENZO(K)FLUORANTHENE	0.89	J	0.71	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	208-96-8	ACENAPHTHYLENE	1.8	U	0.35	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	218-01-9	CHRYSENE	1.5	J	0.35	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	50-32-8	BENZO(A)PYRENE	1	J	0.71	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.8	U	0.71	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	56-55-3	BENZO(A)ANTHRACENE	0.95	J	0.71	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	62-75-9	N-NITROSODIMETHYLAMINE	1.8	U	0.71	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	83-32-9	ACENAPHTHENE	1.8	U	0.71	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	84-66-2	Diethylphthalate	19	U	6.4	19	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	84-74-2	Di-n-butylphthalate	19	U	6.4	19	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	85-01-8	PHENANTHRENE	1.3	J	0.71	1.8	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	85-68-7	Butylbenzylphthalate	12	J	6.4	19	ug/kg	J	J	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	86-73-7	FLUORENE	11		0.71	1.8	ug/kg					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	90-12-0	1-METHYLNAPHTHALENE	1.8	U	0.71	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	91-20-3	NAPHTHALENE	1.8	U	0.71	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	8270C SIM	1/11/2011		3550B	DE045	5.8	1	91-57-6	2-METHYLNAPHTHALENE	1.8	U	0.71	1.8	ug/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	9045M	12/21/2010		Gen Prep	DE045	5.8	1	pH	PH	7.64		0.0100	0.0100	pH unit					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169020	ASTM D1498	12/21/2010		Gen Prep	DE045	5.8	1	REDOX	Oxidation Reduction Potential	477		10.0	10.0	mv					MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	1746-01-6	2,3,7,8-TCDD	1.06	U	0.0412	1.06	ng/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	19408-74-3	1,2,3,7,8,9-HXCDD	5.31	U	0.0518	5.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	3268-87-9	OCDD	153		0.0494	10.6	ng/kg		B			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	15.8		0.0505	5.31	ng/kg		B			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	39001-02-0	OCDF	5.17	J	0.0334	10.6	ng/kg	J	JB	J	Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	39227-28-6	1,2,3,4,7,8-HxCDD	5.31	U	0.0497	5.31	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	40321-76-4	1,2,3,7,8-PECDD	5.31	U	0.0464	5.31	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	51207-31-9	2,3,7,8-TCDF	1.06	U	0.0670	1.06	ng/kg		U			MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.31	U	0.0454	5.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	57117-31-4	2,3,4,7,8-PECDF	5.31	U	0.0251	5.31	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	57117-41-6	1,2,3,7,8-PECDF	5.31	U	0.0305	5.31	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.31	U	0.0299	5.31	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	57653-85-7	1,2,3,6,7,8-HXCDD	5.31	U	0.0508	5.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	60851-34-5	2,3,4,6,7,8-HXCDF	5.31	U	0.0338	5.31	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	5.31	U	0.0340	5.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.31	U	0.0350	5.31	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345779.939	1908281.723
SED-012-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169035	1613B	2/7/2011		METHOD	DX029	5.8	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.31	U	0.0369	5.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6345779.939	1908281.723

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	160.3M	12/23/2010		Gen Prep	DE042	13	1	MOIST	MOISTURE	13		0.50	0.50	%					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	300.0	1/12/2011		METHOD	DE042	13	1	16984-48-8	FLUORIDE	2.6		0.92	1.1	mg/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	314.0	1/12/2011		METHOD	DE042	13	1	14797-73-0	PERCHLORATE	34.5	U	10.3	34.5	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7429-90-5	ALUMINUM	19000		5.78	23.0	mg/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7439-89-6	IRON	27700		5.41	23.0	mg/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7439-93-2	LITHIUM	32.2	J	0.25	2.3	mg/kg	J		J	*#	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7439-95-4	MAGNESIUM	6690		2.92	11.5	mg/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7439-96-5	MANGANESE	524		0.0897	0.575	mg/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7440-09-7	POTASSIUM	4530	J	20.7	57.5	mg/kg	J		J	Q	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7440-23-5	SODIUM	112	J	42.9	115	mg/kg	J	J	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7440-24-6	STRONTIUM	24.5		0.0713	0.575	mg/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7440-31-5	TIN	11.5	U	1.15	11.5	mg/kg	U	J	U	B, Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7440-32-6	TITANIUM	1550		0.437	1.15	mg/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7440-42-8	BORON	4.43	J	1.02	5.75	mg/kg	J	J	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7440-67-7	Zirconium	5.75	U	0.966	5.75	mg/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7440-70-2	CALCIUM	4700		7.05	23.0	mg/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6010B	12/30/2010	NA	3050B	DE042	13	1	7723-14-0	PHOSPHORUS	449	J	0.644	11.5	mg/kg	J		J	Q	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	1/4/2011	NA	3050B	DE042	13	2	7782-49-2	SELENIUM	0.207	J	0.0438	0.438	mg/kg	J	J	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7439-98-7	MOLYBDENUM	0.992	J	0.0547	0.109	mg/kg	J		J	Q	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-39-3	BARIUM	180	J	0.118	0.438	mg/kg	J		J	E, *#	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7439-92-1	LEAD	19.8	J	0.0114	0.219	mg/kg	J		J	E, *#	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-02-0	NICKEL	21.7	J	0.109	0.438	mg/kg	J		J	E, Q, *#	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-22-4	SILVER	0.0981	J	0.0131	0.109	mg/kg	J	J	J	Q, Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-28-0	THALLIUM	0.575	J	0.0328	0.109	mg/kg	J		J	Q	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-36-0	ANTIMONY	0.219	UJ	0.0657	0.219	mg/kg	UJ	J	UJ	B, Q, Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-38-2	ARSENIC	9.74	J	0.0657	0.438	mg/kg	J		J	E, Q	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-41-7	BERYLLIUM	1.06	J	0.0175	0.109	mg/kg	J		J	E, Q	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-43-9	CADMIUM	0.423	J	0.0394	0.109	mg/kg	J		J	Q	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-47-3	CHROMIUM	37.4	J	0.131	0.438	mg/kg	J		J	E, Q, *#	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-48-4	COBALT	9.87	J	0.0219	0.109	mg/kg	J		J	Q, *#	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-50-8	COPPER	15.4	J	0.0722	0.438	mg/kg	J		J	E, Q, *#	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-62-2	VANADIUM	69	J	0.0241	0.109	mg/kg	J		J	E, Q, *#	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	6020	12/30/2010	NA	3050B	DE042	13	2	7440-66-6	ZINC	141	J	0.613	3.28	mg/kg	J		J	E	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	7199	1/18/2011		3060A	DE042	13	1	18540-29-9	HEXAVALENT CHROMIUM	0.95	J	0.23	1.1	mg/kg	J	J	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	7471A	12/23/2010	NA	METHOD	DE042	13	1	7439-97-6	MERCURY	0.0198	J	0.0031	0.109	mg/kg	J	J	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	1024-57-3	HEPTACHLOR EPOXIDE	0.19	U	0.12	0.19	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	1031-07-8	ENDOSULFAN SULFATE	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	2385-85-5	MIREX	0.55	U	0.55	0.55	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	309-00-2	ALDRIN	0.19	U	0.076	0.19	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	319-84-6	ALPHA-BHC	0.19	U	0.039	0.19	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	319-85-7	BETA-BHC	0.19	U	0.069	0.19	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	319-86-8	DELTA-BHC	0.071	J	0.041	0.19	ug/kg	J	J	J	S, Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	33213-65-9	ENDOSULFAN II	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	50-29-3	4,4'-DDT	1.1	U	1.1	1.1	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	53494-70-5	ENDRIN KETONE	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	57-74-9	Chlordane	7	U	7.0	7.0	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	58-89-9	gamma-BHC (Lindane)	0.19	U	0.039	0.19	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	60-57-1	DIELDRIN	0.39	U	0.27	0.39	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	72-20-8	ENDRIN	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	72-43-5	METHOXYCHLOR	1.9	U	0.39	1.9	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	72-54-8	4,4'-DDD	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	72-55-9	4,4'-DDE	1.7	U	1.7	1.7	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	7421-93-4	ENDRIN ALDEHYDE	0.85	U	0.85	0.85	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	76-44-8	HEPTACHLOR	0.19	U	0.069	0.19	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	8001-35-2	TOXAPHENE	7.6	U	2.5	7.6	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8081A	1/24/2011		3550B	DE042	13	1	959-98-8	ENDOSULFAN I	0.19	U	0.051	0.19	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	11096-82-5	AROCLOR 1260	3.3		0.38	2.0	ug/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	11097-69-1	AROCLOR 1254	5.9		0.38	2.0	ug/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	11100-14-4	Aroclor 1268	2	U	0.38	2.0	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	11104-28-2	AROCLOR 1221	2	U	0.57	2.0	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	11126-42-4	Aroclor 5460	4.7	J	1.1	3.8	ug/kg	J		J	L	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	11141-16-5	AROCLOR 1232	2	U	0.60	2.0	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	12642-23-8	Aroclor 5442	3.8	UJ	1.1	3.8	ug/kg	UJ	U	UJ	L	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	12672-29-6	AROCLOR 1248	2	U	0.38	2.0	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	12674-11-2	AROCLOR 1016	2	U	0.38	2.0	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	37324-23-5	Aroclor 1262	2	U	0.38	2.0	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	53469-21-9	AROCLOR 1242	2	U	0.57	2.0	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8082	12/30/2010		3550B	DE042	13	1	63496-31-1	Aroclor 5432	3.8	UJ	1.1	3.8	ug/kg	UJ	U	UJ	L	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8151A	1/2/2011		3550B	DE042	13	1	120-36-5	DICHLOROPROP	2	U	0.92	2.0	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8151A	1/2/2011		3550B	DE042	13	1	1918-00-9	DICAMBA	0.78	J	0.46	1.4	ug/kg	J	J	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8151A	1/2/2011		3550B	DE042	13	1	75-99-0	DALAPON	10	U	5.1	10	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8151A	1/2/2011		3550B	DE042	13	1	88-85-7	DINOSEB	2.8	R	0.92	2.8	ug/kg	R	U	R	L	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8151A	1/2/2011		3550B	DE042	13	1	93-65-2	MCPP	290	U	86	290	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8151A	1/2/2011		3550B	DE042	13	1	93-72-1	2,4,5-TP (Silvex)	0.2	U	0.086	0.20	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8151A	1/2/2011		3550B	DE042	13	1	93-76-5	2,4,5-T	0.2	U	0.094	0.20	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8151A	1/2/2011		3550B	DE042	13	1	94-74-6	MCPA	870		87	290	ug/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8151A	1/2/2011		3550B	DE042	13	1	94-75-7	2,4-D	4.1	U	1.4	4.1	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8151A	1/2/2011		3550B	DE042	13	1	94-82-6	2,4-DB	2	U	0.71	2.0	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	100-01-6	4-NITROANILINE	190	U	77	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	100-02-7	4-NITROPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	100-51-6	BENZYL ALCOHOL	570	U	190	570	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	106-44-5	4-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	106-47-8	4-CHLOROANILINE	190	U	77	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	108-68-9	3,5-Dimethylphenol	190	U	38	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	28	J	19	380	ug/kg	J	J	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	121-14-2	2,4-DINITROTOLUENE	190	U	38	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	51-28-5	2,4-DINITROPHENOL	2300	U	770	2300	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	62-53-3	ANILINE	570	U	190	570	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	65-85-0	BENZOIC ACID	570	U	190	570	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	38	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	570	U	190	570	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	86-74-8	CARBAZOLE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	87-68-3	HEXACHLOROBUTADIENE	190	U	77	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	87-86-5	PENTACHLOROPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	91-94-1	3,3'-DICHLOROBENZIDINE	380	U	110	380	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	92-87-5	BENZIDINE	3800	U	1300	3800	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	95-48-7	2-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C	1/19/2011		3550B	DE042	13	1	99-09-2	3-NITROANILINE	190	U	38	190	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	117-84-0	Di-n-octylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	120-12-7	ANTHRACENE	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	129-00-0	PYRENE	3.4		0.77	1.9	ug/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	131-11-3	Dimethylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	191-24-2	BENZO(G,H,I)PERYLENE	1.4	J	0.77	1.9	ug/kg	J	J	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.2	J	0.77	1.9	ug/kg	J	J	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	205-99-2	BENZO(B)FLUORANTHENE	4.1		0.77	1.9	ug/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	206-44-0	FLUORANTHENE	3.8		0.77	1.9	ug/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	207-08-9	BENZO(K)FLUORANTHENE	1.3	J	0.77	1.9	ug/kg	J	J	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	218-01-9	CHRYSENE	3		0.38	1.9	ug/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	50-32-8	BENZO(A)PYRENE	2.2		0.77	1.9	ug/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	56-55-3	BENZO(A)ANTHRACENE	1.7	J	0.77	1.9	ug/kg	J	J	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	83-32-9	ACENAPHTHENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	84-66-2	Diethylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	84-74-2	Di-n-butylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	85-01-8	PHENANTHRENE	2.1		0.77	1.9	ug/kg					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	85-68-7	Butylbenzylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	86-73-7	FLUORENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	90-12-0	1-METHYLNAPHTHALENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	91-20-3	NAPHTHALENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	8270C SIM	1/6/2011		3550B	DE042	13	1	91-57-6	2-METHYLNAPHTHALENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	9045M	12/20/2010		Gen Prep	DE042	13	1	pH	PH	7.32		0.0100	0.0100	pH unit					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167469	ASTM D1498	12/20/2010		Gen Prep	DE042	13	1	REDOX	Oxidation Reduction Potential	418		10.0	10.0	mv					MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	1746-01-6	2,3,7,8-TCDD	0.0815	J	0.0213	1.15	ng/kg	J	JQ	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	19408-74-3	1,2,3,7,8,9-HXCDD	3	J	0.0314	5.75	ng/kg	J	JB	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	3268-87-9	OCDD	869		0.0698	11.5	ng/kg		B			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	93		0.0838	5.75	ng/kg		B			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	39001-02-0	OCDF	28.3		0.0289	11.5	ng/kg		B			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	39227-28-6	1,2,3,4,7,8-HxCDD	1.48	J	0.0316	5.75	ng/kg	J	JB	J	Z	MDL	PQL	6346273.698	1908469.617

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	40321-76-4	1,2,3,7,8-PECDD	0.847	J	0.0495	5.75	ng/kg	J	JBQ	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	51207-31-9	2,3,7,8-TCDF	0.355	J	0.0380	1.15	ng/kg	J	JB	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	1.11	J	0.0385	5.75	ng/kg	J	JB	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	57117-31-4	2,3,4,7,8-PECDF	0.68	J	0.0182	5.75	ng/kg	J	JB	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	57117-41-6	1,2,3,7,8-PECDF	0.551	J	0.0180	5.75	ng/kg	J	JB	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.743	J	0.0234	5.75	ng/kg	J	JB	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	57653-85-7	1,2,3,6,7,8-HXCDD	3.74	J	0.0328	5.75	ng/kg	J	JB	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	60851-34-5	2,3,4,6,7,8-HXCDF	0.972	J	0.0254	5.75	ng/kg	J	JB	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	14.3		0.0260	5.75	ng/kg		B			MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.855	J	0.0260	5.75	ng/kg	J	JB	J	Z	MDL	PQL	6346273.698	1908469.617
SED-013-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167493	1613B	1/21/2011		METHOD	DX026	13	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.75	U	0.0272	5.75	ng/kg	U	JB	U	B, Z	MDL	PQL	6346273.698	1908469.617
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	160.3M	12/20/2010		Gen Prep	DE045	15	1	MOIST	MOISTURE	15		0.50	0.50	%					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	300.0	1/11/2011		METHOD	DE045	15	1	16984-48-8	FLUORIDE	1.1	J	0.94	1.2	mg/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	314.0	1/11/2011		METHOD	DE045	15	1	14797-73-0	PERCHLORATE	35.3	U	10.6	35.3	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7429-90-5	ALUMINUM	11900		5.86	23.3	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7439-89-6	IRON	18700		5.49	23.3	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7439-93-2	LITHIUM	21.1		0.26	2.3	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7439-95-4	MAGNESIUM	5030		2.96	11.6	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7439-96-5	MANGANESE	274		0.0909	0.582	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7440-09-7	POTASSIUM	3040		21.0	58.2	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7440-23-5	SODIUM	101	J	43.4	116	mg/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7440-24-6	STRONTIUM	26.6		0.0722	0.582	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7440-31-5	TIN	11.6	U	1.16	11.6	mg/kg	U	J	U	B, Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7440-32-6	TITANIUM	1070		0.443	1.16	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7440-42-8	BORON	8.15		1.04	5.82	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7440-67-7	Zirconium	2.4	J	0.978	5.82	mg/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7440-70-2	CALCIUM	6160		7.14	23.3	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6010B	12/30/2010	NA	3050B	DE045	15	1	7723-14-0	PHOSPHORUS	441		0.652	11.6	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7439-92-1	LEAD	12.2	J	0.0120	0.231	mg/kg	J		J	Q	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-02-0	NICKEL	14.4	J	0.115	0.461	mg/kg	J		J	Q, *#	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-22-4	SILVER	0.035	J	0.0138	0.115	mg/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-28-0	THALLIUM	0.307		0.0346	0.115	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-36-0	ANTIMONY	0.101	J	0.0692	0.231	mg/kg	J	J	J	Q, Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-38-2	ARSENIC	5.93	J	0.0692	0.461	mg/kg	J		J	Q	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-41-7	BERYLLIUM	0.591		0.0185	0.115	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-43-9	CADMIUM	0.279	J	0.0415	0.115	mg/kg	J		J	Q	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-47-3	CHROMIUM	22.9	J	0.138	0.461	mg/kg	J		J	Q	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-48-4	COBALT	8.83	J	0.0231	0.115	mg/kg	J		J	*#	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-50-8	COPPER	10.8	J	0.0761	0.461	mg/kg	J		J	Q	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-62-2	VANADIUM	47.2	J	0.0254	0.115	mg/kg	J		J	Q	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-66-6	ZINC	84.4		0.646	3.46	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7782-49-2	SELENIUM	0.239	J	0.0461	0.461	mg/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7439-98-7	MOLYBDENUM	1.09	J	0.0577	0.115	mg/kg	J		J	Q	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	6020	1/3/2011	NA	3050B	DE045	15	2	7440-39-3	BARIUM	117		0.125	0.461	mg/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	7199	1/20/2011		3060A	DE045	15	1	18540-29-9	HEXAVALENT CHROMIUM	0.32	J	0.24	1.2	mg/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	7471A	12/28/2010	NA	METHOD	DE045	15	1	7439-97-6	MERCURY	0.0209	J	0.0032	0.111	mg/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	1024-57-3	HEPTACHLOR EPOXIDE	0.2	U	0.11	0.20	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	1031-07-8	ENDOSULFAN SULFATE	0.4	U	0.078	0.40	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	2385-85-5	MIREX	0.4	U	0.24	0.40	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	309-00-2	ALDRIN	0.2	U	0.078	0.20	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	319-84-6	ALPHA-BHC	0.2	U	0.040	0.20	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	319-85-7	BETA-BHC	0.2	U	0.071	0.20	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	319-86-8	DELTA-BHC	0.11	J	0.042	0.20	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	33213-65-9	ENDOSULFAN II	0.4	U	0.18	0.40	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	50-29-3	4,4'-DDT	0.92	U	0.92	0.92	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	53494-70-5	ENDRIN KETONE	0.4	U	0.078	0.40	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	57-74-9	Chlordane	4	U	0.94	4.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	58-89-9	gamma-BHC (Lindane)	0.2	U	0.040	0.20	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	60-57-1	DIELDRIN	0.4	U	0.078	0.40	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	72-20-8	ENDRIN	0.4	U	0.078	0.40	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	72-43-5	METHOXYCHLOR	2	U	0.40	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	72-54-8	4,4'-DDD	0.48	U	0.48	0.48	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	72-55-9	4,4'-DDE	0.73	U	0.73	0.73	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	7421-93-4	ENDRIN ALDEHYDE	0.4	U	0.17	0.40	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	76-44-8	HEPTACHLOR	0.2	U	0.071	0.20	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	8001-35-2	TOXAPHENE	7.8	U	2.6	7.8	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8081A	1/8/2011		3550B	DE045	15	1	959-98-8	ENDOSULFAN I	0.2	U	0.052	0.20	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	11096-82-5	AROCLOR 1260	1.9	J	0.39	2.0	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	11097-69-1	AROCLOR 1254	4.4		0.39	2.0	ug/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	11100-14-4	Aroclor 1268	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	11104-28-2	AROCLOR 1221	2	U	0.59	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	11126-42-4	Aroclor 5460	4.8	J	1.2	3.9	ug/kg	J		J	L	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	11141-16-5	AROCLOR 1232	2	U	0.61	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	12642-23-8	Aroclor 5442	3.9	UJ	1.2	3.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	12672-29-6	AROCLOR 1248	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	12674-11-2	AROCLOR 1016	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	37324-23-5	Aroclor 1262	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	53469-21-9	AROCLOR 1242	2	U	0.59	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8082	1/6/2011		3550B	DE045	15	1	63496-31-1	Aroclor 5432	3.9	UJ	1.2	3.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6346793.328	1908503.059

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8151A	1/1/2011		3550B	DE045	15	1	120-36-5	DICHLOROPROP	2	U	0.94	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8151A	1/1/2011		3550B	DE045	15	1	1918-00-9	DICAMBA	1.4	U	0.47	1.4	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8151A	1/1/2011		3550B	DE045	15	1	75-99-0	DALAPON	11	U	5.2	11	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8151A	1/1/2011		3550B	DE045	15	1	88-85-7	DINOSEB	2.8	R	0.94	2.8	ug/kg	R	U	R	L	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8151A	1/1/2011		3550B	DE045	15	1	93-65-2	MCPP	290	U	88	290	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8151A	1/1/2011		3550B	DE045	15	1	93-72-1	2,4,5-TP (Silvex)	0.2	U	0.088	0.20	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8151A	1/1/2011		3550B	DE045	15	1	93-76-5	2,4,5-T	0.2	U	0.096	0.20	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8151A	1/1/2011		3550B	DE045	15	1	94-74-6	MCPA	580	U	580	580	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8151A	1/1/2011		3550B	DE045	15	1	94-75-7	2,4-D	4.2	U	1.4	4.2	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8151A	1/1/2011		3550B	DE045	15	1	94-82-6	2,4-DB	7.5	U	7.5	7.5	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	100-01-6	4-NITROANILINE	200	U	78	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	100-02-7	4-NITROPHENOL	590	U	200	590	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	100-51-6	BENZYL ALCOHOL	590	U	200	590	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	105-67-9	2,4-DIMETHYLPHENOL	200	U	39	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	106-44-5	4-METHYLPHENOL	200	U	39	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	106-46-7	1,4-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	106-47-8	4-CHLOROANILINE	200	U	78	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	108-68-9	3,5-Dimethylphenol	200	U	39	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	108-95-2	PHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	118-74-1	HEXACHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	120-82-1	1,2,4-TRICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	120-83-2	2,4-DICHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	121-14-2	2,4-DINITROTOLUENE	200	U	39	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	132-64-9	DIBENZOFURAN	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	51-28-5	2,4-DINITROPHENOL	2400	U	780	2400	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	590	U	200	590	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	541-73-1	1,3-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	59-50-7	4-CHLORO-3-METHYLPHENOL	200	U	39	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	606-20-2	2,6-DINITROTOLUENE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	62-53-3	ANILINE	590	U	200	590	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	65-85-0	BENZOIC ACID	590	U	200	590	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	67-72-1	HEXACHLOROETHANE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	200	U	39	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	590	U	200	590	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	78-59-1	ISOPHORONE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	86-30-6	N-NITROSODIPHENYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	86-74-8	CARBAZOLE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	87-68-3	HEXACHLOROBUTADIENE	200	U	78	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	87-86-5	PENTACHLOROPHENOL	590	U	200	590	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	88-06-2	2,4,6-TRICHLOROPHENOL	200	U	39	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	88-74-4	2-NITROANILINE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	88-75-5	2-NITROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	91-58-7	2-CHLORONAPHTHALENE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	91-94-1	3,3'-DICHLOROBENZIDINE	390	U	120	390	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	92-87-5	BENZIDINE	3900	U	1400	3900	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	95-48-7	2-METHYLPHENOL	200	U	39	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	95-50-1	1,2-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	95-57-8	2-CHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	95-95-4	2,4,5-TRICHLOROPHENOL	200	U	39	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	98-95-3	NITROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C	1/18/2011		3550B	DE045	15	1	99-09-2	3-NITROANILINE	200	U	39	200	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	18	J	7.1	21	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	117-84-0	Di-n-octylphthalate	21	U	7.1	21	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	120-12-7	ANTHRACENE	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	129-00-0	PYRENE	2.2		0.78	2.0	ug/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	131-11-3	Dimethylphthalate	21	U	7.1	21	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	191-24-2	BENZO(G,H,I)PERYLENE	1	J	0.78	2.0	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	193-39-5	INDENO(1,2,3-CD)PYRENE	0.91	J	0.78	2.0	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	205-99-2	BENZO(B)FLUORANTHENE	3		0.78	2.0	ug/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	206-44-0	FLUORANTHENE	2.7		0.78	2.0	ug/kg					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	207-08-9	BENZO(K)FLUORANTHENE	1.1	J	0.78	2.0	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	208-96-8	ACENAPHTHYLENE	2	U	0.39	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	218-01-9	CHRYSENE	1.9	J	0.39	2.0	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	50-32-8	BENZO(A)PYRENE	1.2	J	0.78	2.0	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2	U	0.78	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	56-55-3	BENZO(A)ANTHRACENE	1.2	J	0.78	2.0	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	62-75-9	N-NITROSODIMETHYLAMINE	2	U	0.78	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	83-32-9	ACENAPHTHENE	2	U	0.78	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	84-66-2	Diethylphthalate	21	U	7.1	21	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	84-74-2	Di-n-butylphthalate	21	U	7.1	21	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	85-01-8	PHENANTHRENE	1.4	J	0.78	2.0	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	85-68-7	Butylbenzylphthalate	11	J	7.1	21	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	86-73-7	FLUORENE	1.9	J	0.78	2.0	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	90-12-0	1-METHYLNAPHTHALENE	2	U	0.78	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	91-20-3	NAPHTHALENE	0.98	J	0.78	2.0	ug/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	8270C SIM	1/11/2011		3550B	DE045	15	1	91-57-6	2-METHYLNAPHTHALENE	2	U	0.78	2.0	ug/kg		U			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	9045M	12/21/2010		Gen Prep	DE045	15	1	pH	PH	7.56		0.0100	0.0100	pH unit					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169019	ASTM D1498	12/21/2010		Gen Prep	DE045	15	1	REDOX	Oxidation Reduction Potential	515		10.0	10.0	mv					MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	1746-01-6	2,3,7,8-TCDD	0.217	J	0.0620	1.18	ng/kg	J	J	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	19408-74-3	1,2,3,7,8,9-HXCDD	14.7		0.141	5.88	ng/kg		B			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	3268-87-9	OCDD	49800	J	0.354	11.8	ng/kg	J	EB	J	*#	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	4430	J	0.410	5.88	ng/kg	J	EB	J	*#	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	39001-02-0	OCDF	2920		0.139	11.8	ng/kg		B			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	39227-28-6	1,2,3,4,7,8-HxCDD	8.92		0.140	5.88	ng/kg		B			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	40321-76-4	1,2,3,7,8-PECDD	2.8	J	0.107	5.88	ng/kg	J	JB	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	51207-31-9	2,3,7,8-TCDF	0.384	J	0.111	1.18	ng/kg	J	JQ	J	Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	85.3		0.219	5.88	ng/kg		B			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	57117-31-4	2,3,4,7,8-PECDF	5.88	U	0.0721	5.88	ng/kg	U	JB	U	B, Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	57117-41-6	1,2,3,7,8-PECDF	5.88	U	0.0765	5.88	ng/kg	U	JB	U	B, Z	MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	57117-44-9	1,2,3,6,7,8-HXCDF	12.4		0.191	5.88	ng/kg		B			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	57653-85-7	1,2,3,6,7,8-HXCDD	83.8		0.140	5.88	ng/kg		B			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	60851-34-5	2,3,4,6,7,8-HXCDF	12.9		0.200	5.88	ng/kg		B			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	455		0.176	5.88	ng/kg		B			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	70648-26-9	1,2,3,4,7,8-HXCDF	18.1		0.202	5.88	ng/kg		B			MDL	PQL	6346793.328	1908503.059
SED-014-SIV-SD-0.0-0.5	12/17/2010	N	0	0.5	ft bgs	SE	SED		6169034	1613B	1/28/2011		METHOD	DX029	15	1	72918-21-9	1,2,3,7,8,9-HXCDF	2.86	J	0.235	5.88	ng/kg	J	JB	J	Z	MDL	PQL	6346793.328	1908503.059
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	1031-07-8	ENDOSULFAN SULFATE	0.44	U	0.086	0.44	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	2385-85-5	MIREX	0.44	U	0.34	0.44	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	309-00-2	ALDRIN	0.22	U	0.086	0.22	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	319-84-6	ALPHA-BHC	0.22	UJ	0.044	0.22	ug/kg	UJ	U	UJ	L	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	319-85-7	BETA-BHC	0.22	U	0.13	0.22	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	319-86-8	DELTA-BHC	0.11	J	0.047	0.22	ug/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	33213-65-9	ENDOSULFAN II	0.44	U	0.32	0.44	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	50-29-3	4,4'-DDT	0.89	U	0.89	0.89	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	53494-70-5	ENDRIN KETONE	0.44	U	0.086	0.44	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	57-74-9	Chlordane	4.4	U	1.0	4.4	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	58-89-9	gamma-BHC (Lindane)	0.22	UJ	0.044	0.22	ug/kg	UJ	U	UJ	L	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	60-57-1	DIELDRIN	0.44	U	0.086	0.44	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	72-20-8	ENDRIN	0.44	U	0.086	0.44	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	72-43-5	METHOXYCHLOR	2.2	U	1.1	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	72-54-8	4,4'-DDD	0.44	U	0.086	0.44	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	72-55-9	4,4'-DDE	0.76	U	0.76	0.76	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	7421-93-4	ENDRIN ALDEHYDE	0.53	U	0.53	0.53	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	76-44-8	HEPTACHLOR	0.11	J	0.078	0.22	ug/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	8001-35-2	TOXAPHENE	8.6	U	2.9	8.6	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	959-98-8	ENDOSULFAN I	0.22	U	0.22	0.22	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	11096-82-5	AROCLOR 1260	0.71	J	0.43	2.2	ug/kg	J	J	J	S, L, Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	11097-69-1	AROCLOR 1254	2.4	J	0.43	2.2	ug/kg	J		J	S, L	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	11100-14-4	Aroclor 1268	2.2	U	0.43	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	11104-28-2	AROCLOR 1221	2.2	U	0.65	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	11126-42-4	Aroclor 5460	1.6	J	1.3	4.3	ug/kg	J	J	J	S, L, Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	11141-16-5	AROCLOR 1232	2.2	U	0.68	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	12642-23-8	Aroclor 5442	4.3	UJ	1.3	4.3	ug/kg	UJ	U	UJ	L	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	12672-29-6	AROCLOR 1248	2.2	U	0.43	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	12674-11-2	AROCLOR 1016	2.2	U	0.43	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	37324-23-5	Aroclor 1262	2.2	U	0.43	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	53469-21-9	AROCLOR 1242	2.2	U	0.65	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8082	1/6/2011		3550B	DE050	23.2	1	63496-31-1	Aroclor 5432	4.3	UJ	1.3	4.3	ug/kg	UJ	U	UJ	L	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8151A	1/7/2011		3550B	DE050	23.2	1	120-36-5	DICHLOROPROP	2.2	U	1.0	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8151A	1/7/2011		3550B	DE050	23.2	1	1918-00-9	DICAMBA	1.6	U	0.52	1.6	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8151A	1/7/2011		3550B	DE050	23.2	1	75-99-0	DALAPON	12	U	5.7	12	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8151A	1/7/2011		3550B	DE050	23.2	1	88-85-7	DINOSEB	3.1	R	1.0	3.1	ug/kg	R	U	R	L	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8151A	1/7/2011		3550B	DE050	23.2	1	93-65-2	MCPP	330	U	98	330	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8151A	1/7/2011		3550B	DE050	23.2	1	93-72-1	2,4,5-TP (Silvex)	0.22	U	0.098	0.22	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8151A	1/7/2011		3550B	DE050	23.2	1	93-76-5	2,4,5-T	0.22	U	0.11	0.22	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8151A	1/7/2011		3550B	DE050	23.2	1	94-74-6	MCPA	330	U	99	330	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8151A	1/7/2011		3550B	DE050	23.2	1	94-75-7	2,4-D	4.7	U	1.6	4.7	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8151A	1/7/2011		3550B	DE050	23.2	1	94-82-6	2,4-DB	2.2	U	1.7	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	100-01-6	4-NITROANILINE	220	U	87	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	100-02-7	4-NITROPHENOL	650	U	220	650	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	100-51-6	BENZYL ALCOHOL	650	U	220	650	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	105-67-9	2,4-DIMETHYLPHENOL	220	U	43	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	106-44-5	4-METHYLPHENOL	220	U	43	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	106-46-7	1,4-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	106-47-8	4-CHLOROANILINE	220	U	87	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	108-68-9	3,5-Dimethylphenol	220	U	43	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	108-95-2	PHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	67	J	22	430	ug/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	118-74-1	HEXACHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	120-82-1	1,2,4-TRICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	120-83-2	2,4-DICHLOROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	121-14-2	2,4-DINITROTOLUENE	220	U	43	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	132-64-9	DIBENZOFURAN	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	51-28-5	2,4-DINITROPHENOL	2600	U	870	2600	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	650	U	220	650	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	541-73-1	1,3-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	59-50-7	4-CHLORO-3-METHYLPHENOL	220	U	43	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	606-20-2	2,6-DINITROTOLUENE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	62-53-3	ANILINE	650	U	220	650	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	65-85-0	BENZOIC ACID	650	U	220	650	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	67-72-1	HEXACHLOROETHANE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	220	U	43	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	650	U	220	650	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	78-59-1	ISOPHORONE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	86-30-6	N-NITROSODIPHENYLAMINE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	86-74-8	CARBAZOLE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	87-68-3	HEXACHLOROBUTADIENE	220	U	87	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	87-86-5	PENTACHLOROPHENOL	650	U	220	650	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	88-06-2	2,4,6-TRICHLOROPHENOL	220	U	43	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	88-74-4	2-NITROANILINE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	88-75-5	2-NITROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	91-58-7	2-CHLORONAPHTHALENE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	91-94-1	3,3'-DICHLOROBENZIDINE	430	U	130	430	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	92-87-5	BENZIDINE	4300	U	1500	4300	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	95-48-7	2-METHYLPHENOL	220	U	43	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	95-50-1	1,2-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	95-57-8	2-CHLOROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	95-95-4	2,4,5-TRICHLOROPHENOL	220	U	43	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	98-95-3	NITROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C	1/18/2011		3550B	DE050	23.2	1	99-09-2	3-NITROANILINE	220	U	43	220	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	117-84-0	Di-n-octylphthalate	23	U	7.8	23	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	120-12-7	ANTHRACENE	2.2	U	0.43	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	129-00-0	PYRENE	1.5	J	0.87	2.2	ug/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	131-11-3	Dimethylphthalate	23	U	7.8	23	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	191-24-2	BENZO(G,H,I)PERYLENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	205-99-2	BENZO(B)FLUORANTHENE	1.8	J	0.87	2.2	ug/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	206-44-0	FLUORANTHENE	1.9	J	0.87	2.2	ug/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	207-08-9	BENZO(K)FLUORANTHENE	1.1	J	0.87	2.2	ug/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	208-96-8	ACENAPHTHYLENE	0.47	J	0.43	2.2	ug/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	218-01-9	CHRYSENE	1.9	J	0.43	2.2	ug/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	50-32-8	BENZO(A)PYRENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	56-55-3	BENZO(A)ANTHRACENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	62-75-9	N-NITROSODIMETHYLAMINE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	83-32-9	ACENAPHTHENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	84-66-2	Diethylphthalate	23	U	7.8	23	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	84-74-2	Di-n-butylphthalate	23	U	7.8	23	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	85-01-8	PHENANTHRENE	2.4		0.87	2.2	ug/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	85-68-7	Butylbenzylphthalate	23	U	7.8	23	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	86-73-7	FLUORENE	2.2	U	0.87	2.2	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	90-12-0	1-METHYLNAPHTHALENE	1.8	J	0.87	2.2	ug/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	91-20-3	NAPHTHALENE	4.3		0.87	2.2	ug/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8270C SIM	1/12/2011		3550B	DE050	23.2	1	91-57-6	2-METHYLNAPHTHALENE	2.3		0.87	2.2	ug/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	9045M	12/27/2010		Gen Prep	DE050	23.2	1	pH	PH	6.89		0.0100	0.0100	pH unit					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	ASTM D1498	12/27/2010		Gen Prep	DE050	23.2	1	REDOX	Oxidation Reduction Potential	544		10.0	10.0	mv					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	160.3M	1/7/2011		Gen Prep	DE050	23.2	1	MOIST	MOISTURE	23.2		0.50	0.50	%					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	300.0	1/14/2011		METHOD	DE050	23.2	1	16984-48-8	FLUORIDE	1.2	J	1.0	1.3	mg/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	314.0	1/14/2011		METHOD	DE050	23.2	1	14797-73-0	PERCHLORATE	39.1	U	11.7	39.1	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7429-90-5	ALUMINUM	10200		6.42	25.5	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7439-89-6	IRON	15300		6.01	25.5	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7439-93-2	LITHIUM	21.2		0.28	2.6	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7439-95-4	MAGNESIUM	3790		3.24	12.8	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7439-96-5	MANGANESE	257		0.0996	0.638	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7440-09-7	POTASSIUM	3150		23.0	63.8	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7440-23-5	SODIUM	72.3	J	47.6	128	mg/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7440-24-6	STRONTIUM	23.9		0.0791	0.638	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7440-31-5	TIN	12.8	U	1.28	12.8	mg/kg	U	J	U	B, Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7440-32-6	TITANIUM	883		0.485	1.28	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7440-42-8	BORON	5.34	J	1.14	6.38	mg/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7440-67-7	Zirconium	2.32	J	1.07	6.38	mg/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7440-70-2	CALCIUM	5080		7.83	25.5	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6010B	12/30/2010	NA	3050B	DE050	23.2	1	7723-14-0	PHOSPHORUS	399		0.715	12.8	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/4/2011	NA	3050B	DE050	23.2	2	7440-43-9	CADMIUM	0.191	J	0.0464	0.129	mg/kg	J		J	Q	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7782-49-2	SELENIUM	0.188	J	0.0516	0.516	mg/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7439-98-7	MOLYBDENUM	0.513	J	0.0645	0.129	mg/kg	J		J	Q	MDL	PQL	6347539.245	1909591.754

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-39-3	BARIUM	99.4		0.139	0.516	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7439-92-1	LEAD	13.2	J	0.0134	0.258	mg/kg	J		J	Q	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-02-0	NICKEL	12.7	J	0.129	0.516	mg/kg	J		J	Q, *#	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-22-4	SILVER	0.0473	J	0.0155	0.129	mg/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-28-0	THALLIUM	0.29		0.0387	0.129	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-36-0	ANTIMONY	0.0859	J	0.0774	0.258	mg/kg	J	J	J	Q, Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-38-2	ARSENIC	11.6	J	0.0774	0.516	mg/kg	J		J	Q	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-41-7	BERYLLIUM	0.497		0.0206	0.129	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-47-3	CHROMIUM	18.7	J	0.155	0.516	mg/kg	J		J	Q	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-48-4	COBALT	5.55	J	0.0258	0.129	mg/kg	J		J	*#	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-50-8	COPPER	9.12	J	0.0851	0.516	mg/kg	J		J	Q	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-62-2	VANADIUM	36.1	J	0.0284	0.129	mg/kg	J		J	Q	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	6020	1/3/2011	NA	3050B	DE050	23.2	2	7440-66-6	ZINC	73.3		0.722	3.87	mg/kg					MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	7199	1/23/2011		3060A	DE050	23.2	1	18540-29-9	HEXAVALENT CHROMIUM	1.3	U	0.26	1.3	mg/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	7471A	12/28/2010	NA	METHOD	DE050	23.2	1	7439-97-6	MERCURY	0.0053	J	0.0036	0.127	mg/kg	J	J	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172320	8081A	1/26/2011		3550B	DE050	23.2	1	1024-57-3	HEPTACHLOR EPOXIDE	0.22	U	0.047	0.22	ug/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	1746-01-6	2,3,7,8-TCDD	1.3	U	0.0569	1.30	ng/kg		U			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.524	J	0.0598	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	3268-87-9	OCDD	65.2		0.0473	13.0	ng/kg		B			MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	5.17	J	0.0577	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	39001-02-0	OCDF	2.04	J	0.0478	13.0	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.281	J	0.0583	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	40321-76-4	1,2,3,7,8-PECDD	0.419	J	0.0572	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	51207-31-9	2,3,7,8-TCDF	0.349	J	0.0932	1.30	ng/kg	J	JQ	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	0.314	J	0.0447	6.51	ng/kg	J	JBQ	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	57117-31-4	2,3,4,7,8-PECDF	0.787	J	0.0387	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	57117-41-6	1,2,3,7,8-PECDF	0.452	J	0.0400	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.373	J	0.0422	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.511	J	0.0613	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	60851-34-5	2,3,4,6,7,8-HXCDF	0.51	J	0.0465	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	1.12	J	0.0329	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.334	J	0.0461	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-015-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172366	1613B	1/29/2011		METHOD	DX033	23.2	1	72918-21-9	1,2,3,7,8,9-HXCDF	0.331	J	0.0521	6.51	ng/kg	J	JB	J	Z	MDL	PQL	6347539.245	1909591.754
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	160.3M	12/22/2010		Gen Prep	DE040	10.4	1	MOIST	MOISTURE	10.4		0.50	0.50	%					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	300.0	1/12/2011		METHOD	DE040	10.4	1	16984-48-8	FLUORIDE	2		0.89	1.1	mg/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	314.0	1/7/2011		Gen Prep	DE040	10.4	1	14797-73-0	PERCHLORATE	33.5	U	10.0	33.5	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/30/2010	NA	3050B	DE040	10.4	1	7429-90-5	ALUMINUM	13900		5.61	22.3	mg/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/30/2010	NA	3050B	DE040	10.4	1	7439-89-6	IRON	19300	J	5.26	22.3	mg/kg	J		J	E	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/30/2010	NA	3050B	DE040	10.4	1	7440-09-7	POTASSIUM	2780	J	20.1	55.8	mg/kg	J		J	Q	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/30/2010	NA	3050B	DE040	10.4	1	7440-23-5	SODIUM	89.4	J	41.6	112	mg/kg	J	J	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/30/2010	NA	3050B	DE040	10.4	1	7440-32-6	TITANIUM	1270		0.424	1.12	mg/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/30/2010	NA	3050B	DE040	10.4	1	7440-42-8	BORON	4.3	J	0.993	5.58	mg/kg	J	J	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/29/2010	NA	3050B	DE040	10.4	1	7439-93-2	LITHIUM	22	J	0.25	2.2	mg/kg	J		J	E	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/29/2010	NA	3050B	DE040	10.4	1	7439-95-4	MAGNESIUM	4220	J	2.83	11.2	mg/kg	J		J	*#	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/29/2010	NA	3050B	DE040	10.4	1	7439-96-5	MANGANESE	260	J	0.0871	0.558	mg/kg	J		J	E	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/29/2010	NA	3050B	DE040	10.4	1	7440-24-6	STRONTIUM	14	J	0.0692	0.558	mg/kg	J		J	E	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/29/2010	NA	3050B	DE040	10.4	1	7440-31-5	TIN	11.2	U	1.12	11.2	mg/kg	U	J	U	B, Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/29/2010	NA	3050B	DE040	10.4	1	7440-67-7	Zirconium	1.3	J	0.938	5.58	mg/kg	J	J	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/29/2010	NA	3050B	DE040	10.4	1	7440-70-2	CALCIUM	2450	J	6.84	22.3	mg/kg	J		J	*#	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6010B	12/29/2010	NA	3050B	DE040	10.4	1	7723-14-0	PHOSPHORUS	299	J	0.625	11.2	mg/kg	J		J	Q, E	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7782-49-2	SELENIUM	0.0957	J	0.0438	0.438	mg/kg	J	J	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7439-98-7	MOLYBDENUM	0.377		0.0547	0.109	mg/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-39-3	BARIUM	69.7	J	0.118	0.438	mg/kg	J		J	*#	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7439-92-1	LEAD	6	J	0.0114	0.219	mg/kg	J		J	Q, E, *#	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-02-0	NICKEL	10.3	J	0.109	0.438	mg/kg	J		J	E, *#	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-22-4	SILVER	0.0265	J	0.0131	0.109	mg/kg	J	J	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-28-0	THALLIUM	0.214		0.0328	0.109	mg/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-36-0	ANTIMONY	0.219	UJ	0.0657	0.219	mg/kg	UJ	U	UJ	Q	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-38-2	ARSENIC	4.07	J	0.0657	0.438	mg/kg	J		J	Q	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-41-7	BERYLLIUM	0.468		0.0175	0.109	mg/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-43-9	CADMIUM	0.154		0.0394	0.109	mg/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-47-3	CHROMIUM	17.9	J	0.131	0.438	mg/kg	J		J	E, Q, *#	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-48-4	COBALT	4.65	J	0.0219	0.109	mg/kg	J		J	*#	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-50-8	COPPER	6.7		0.0722	0.438	mg/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-62-2	VANADIUM	32.7	J	0.0241	0.109	mg/kg	J		J	Q, *#	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	6020	12/30/2010	NA	3050B	DE040	10.4	2	7440-66-6	ZINC	62.4	J	0.613	3.28	mg/kg	J		J	E, *#	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	7199	1/19/2011		3060A	DE040	10.4	1	18540-29-9	HEXAVALENT CHROMIUM	0.81	J	0.22	1.1	mg/kg	J	J	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	7471A	12/21/2010	NA	METHOD	DE040	10.4	1	7439-97-6	MERCURY	0.0469	J	0.0032	0.110	mg/kg	J	J	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	1024-57-3	HEPTACHLOR EPOXIDE	0.19	U	0.038	0.19	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	1031-07-8	ENDOSULFAN SULFATE	0.38	U	0.074	0.38	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	2385-85-5	MIREX	1	U	1.0	1.0	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	309-00-2	ALDRIN	0.19	U	0.074	0.19	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	319-84-6	ALPHA-BHC	0.19	U	0.038	0.19	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	319-85-7	BETA-BHC	0.19	U	0.067	0.19	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	319-86-8	DELTA-BHC	0.19	U	0.040	0.19	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	33213-65-9	ENDOSULFAN II	0.38	UJ	0.074	0.38	ug/kg	UJ	U	UJ	L	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	50-29-3	4,4'-DDT	0.99	U	0.99	0.99	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	53494-70-5	ENDRIN KETONE	0.38	U	0.074	0.38	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	57-74-9	Chlordane	3.8	U	1.5	3.8	ug/kg		U			MDL	PQL	6347989.505	1909076.71

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	58-89-9	gamma-BHC (Lindane)	0.19	U	0.038	0.19	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	60-57-1	DIELDRIN	0.38	U	0.088	0.38	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	72-20-8	ENDRIN	0.38	U	0.074	0.38	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	72-43-5	METHOXYCHLOR	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	72-54-8	4,4'-DDD	0.38	U	0.28	0.38	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	72-55-9	4,4'-DDE	0.38	U	0.38	0.38	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	7421-93-4	ENDRIN ALDEHYDE	0.38	U	0.15	0.38	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	76-44-8	HEPTACHLOR	0.19	U	0.067	0.19	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	8001-35-2	TOXAPHENE	7.4	U	2.5	7.4	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8081A	1/13/2011		3550B	DE040	10.4	1	959-98-8	ENDOSULFAN I	0.19	U	0.049	0.19	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/24/2010		3550B	DE040	10.4	1	11126-42-4	Aroclor 5460	4.6		1.1	3.7	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/29/2010		3550B	DE040	10.4	1	11096-82-5	AROCLOR 1260	4		0.37	1.9	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/29/2010		3550B	DE040	10.4	1	11097-69-1	AROCLOR 1254	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/29/2010		3550B	DE040	10.4	1	11100-14-4	Aroclor 1268	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/29/2010		3550B	DE040	10.4	1	11104-28-2	AROCLOR 1221	1.9	U	0.56	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/29/2010		3550B	DE040	10.4	1	11141-16-5	AROCLOR 1232	1.9	U	0.58	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/29/2010		3550B	DE040	10.4	1	12642-23-8	Aroclor 5442	3.7	U	1.1	3.7	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/29/2010		3550B	DE040	10.4	1	12672-29-6	AROCLOR 1248	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/29/2010		3550B	DE040	10.4	1	12674-11-2	AROCLOR 1016	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/29/2010		3550B	DE040	10.4	1	37324-23-5	Aroclor 1262	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/29/2010		3550B	DE040	10.4	1	53469-21-9	AROCLOR 1242	1.9	U	0.56	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8082	12/29/2010		3550B	DE040	10.4	1	63496-31-1	Aroclor 5432	3.7	U	1.1	3.7	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8151A	12/31/2010		3550B	DE040	10.4	1	120-36-5	DICHLOROPROP	1.9	U	0.89	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8151A	12/31/2010		3550B	DE040	10.4	1	1918-00-9	DICAMBA	1.3	U	0.45	1.3	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8151A	12/31/2010		3550B	DE040	10.4	1	75-99-0	DALAPON	10	U	4.9	10	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8151A	12/31/2010		3550B	DE040	10.4	1	88-85-7	DINOSEB	2.7	R	0.89	2.7	ug/kg	R	U	R	L	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8151A	12/31/2010		3550B	DE040	10.4	1	93-65-2	MCPP	430		84	280	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8151A	12/31/2010		3550B	DE040	10.4	1	93-72-1	2,4,5-TP (Silvex)	0.2		0.084	0.19	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8151A	12/31/2010		3550B	DE040	10.4	1	93-76-5	2,4,5-T	0.19	U	0.092	0.19	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8151A	12/31/2010		3550B	DE040	10.4	1	94-74-6	MCPA	430		85	280	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8151A	12/31/2010		3550B	DE040	10.4	1	94-75-7	2,4-D	4	U	1.3	4.0	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8151A	12/31/2010		3550B	DE040	10.4	1	94-82-6	2,4-DB	3.2	U	3.2	3.2	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	100-01-6	4-NITROANILINE	190	U	74	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	100-02-7	4-NITROPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	100-51-6	BENZYL ALCOHOL	560	U	190	560	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	106-44-5	4-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	106-47-8	4-CHLOROANILINE	190	U	74	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	108-68-9	3,5-Dimethylphenol	190	U	37	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	28	J	19	370	ug/kg	J	J	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	121-14-2	2,4-DINITROTOLUENE	190	U	37	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	51-28-5	2,4-DINITROPHENOL	2200	U	740	2200	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	62-53-3	ANILINE	560	U	190	560	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	65-85-0	BENZOIC ACID	560	U	190	560	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	37	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	560	U	190	560	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	86-74-8	CARBAZOLE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	87-68-3	HEXACHLOROBUTADIENE	190	U	74	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	87-86-5	PENTACHLOROPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	91-94-1	3,3'-DICHLOROBENZIDINE	370	U	110	370	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	92-87-5	BENZIDINE	3700	U	1300	3700	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	95-48-7	2-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C	1/16/2011		3550B	DE040	10.4	1	99-09-2	3-NITROANILINE	190	U	37	190	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	117-84-0	Di-n-octylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	120-12-7	ANTHRACENE	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	129-00-0	PYRENE	12		0.74	1.9	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	131-11-3	Dimethylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	191-24-2	BENZO(G,H,I)PERYLENE	3.1		0.74	1.9	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2.9		0.74	1.9	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	205-99-2	BENZO(B)FLUORANTHENE	12		0.74	1.9	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	206-44-0	FLUORANTHENE	16		0.74	1.9	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	207-08-9	BENZO(K)FLUORANTHENE	5.1		0.74	1.9	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	218-01-9	CHRYSENE	9		0.37	1.9	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	50-32-8	BENZO(A)PYRENE	5.6		0.74	1.9	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	56-55-3	BENZO(A)ANTHRACENE	3		0.74	1.9	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	83-32-9	ACENAPHTHENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	84-66-2	Diethylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	84-74-2	Di-n-butylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	85-01-8	PHENANTHRENE	5.5		0.74	1.9	ug/kg					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	85-68-7	Butylbenzylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	86-73-7	FLUORENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	90-12-0	1-METHYLNAPHTHALENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	91-20-3	NAPHTHALENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	8270C SIM	1/5/2011		3550B	DE040	10.4	1	91-57-6	2-METHYLNAPHTHALENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	9045M	12/17/2010		Gen Prep	DE040	10.4	1	pH	PH	7		0.0100	0.0100	pH unit					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166082	ASTM D1498	12/17/2010		Gen Prep	DE040	10.4	1	REDOX	Oxidation Reduction Potential	467		10.0	10.0	mv					MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	1746-01-6	2,3,7,8-TCDD	0.12	J	0.0287	1.12	ng/kg	J	JQ	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	19408-74-3	1,2,3,7,8,9-HXCDD	5.06	J	0.0494	5.58	ng/kg	J	JB	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	3268-87-9	OCDD	7800	J	0.194	11.2	ng/kg	J	EB	J	*#	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	735		0.202	5.58	ng/kg		B			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	39001-02-0	OCDF	177		0.0675	11.2	ng/kg		B			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	39227-28-6	1,2,3,4,7,8-HxCDD	2.18	J	0.0487	5.58	ng/kg	J	JB	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	40321-76-4	1,2,3,7,8-PECDD	0.82	J	0.0609	5.58	ng/kg	J	JQ	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	51207-31-9	2,3,7,8-TCDF	0.0902	J	0.0305	1.12	ng/kg	J	JBQ	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	11.7		0.0828	5.58	ng/kg		B			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	57117-31-4	2,3,4,7,8-PECDF	5.58	U	0.0225	5.58	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	57117-41-6	1,2,3,7,8-PECDF	0.363	J	0.0208	5.58	ng/kg	J	JBQ	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	57117-44-9	1,2,3,6,7,8-HXCDF	2.82	J	0.0451	5.58	ng/kg	J	JB	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	57653-85-7	1,2,3,6,7,8-HXCDD	20.7		0.0510	5.58	ng/kg		B			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	60851-34-5	2,3,4,6,7,8-HXCDF	4.66	J	0.0528	5.58	ng/kg	J	JB	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	75.4		0.0434	5.58	ng/kg		B			MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	70648-26-9	1,2,3,4,7,8-HXCDF	2.42	J	0.0539	5.58	ng/kg	J	JB	J	Z	MDL	PQL	6347989.505	1909076.71
SED-016-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166121	1613B	1/19/2011		METHOD	DX024	10.4	1	72918-21-9	1,2,3,7,8,9-HXCDF	0.495	J	0.0674	5.58	ng/kg	J	JBQ	J	Z	MDL	PQL	6347989.505	1909076.71
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	160.3M	12/23/2010		Gen Prep	DE042	11.5	1	MOIST	MOISTURE	11.5		0.50	0.50	%					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	300.0	1/12/2011		METHOD	DE042	11.5	1	16984-48-8	FLUORIDE	1.1		0.90	1.1	mg/kg		J			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	314.0	1/13/2011		METHOD	DE042	11.5	1	14797-73-0	PERCHLORATE	33.9	U	10.2	33.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7429-90-5	ALUMINUM	12100		5.57	22.2	mg/kg					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7439-89-6	IRON	17500		5.22	22.2	mg/kg					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7439-93-2	LITHIUM	22.2	J	0.24	2.2	mg/kg	J		J	*#	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7439-95-4	MAGNESIUM	4030		2.81	11.1	mg/kg					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7439-96-5	MANGANESE	270		0.0864	0.554	mg/kg					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7440-09-7	POTASSIUM	3590	J	19.9	55.4	mg/kg	J		J	Q	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7440-23-5	SODIUM	79.4	J	41.3	111	mg/kg	J	J	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7440-24-6	STRONTIUM	23.6		0.0687	0.554	mg/kg					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7440-31-5	TIN	11.1	U	1.11	11.1	mg/kg	U	J	U	B, Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7440-32-6	TITANIUM	1080		0.421	1.11	mg/kg					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7440-42-8	BORON	5.92		0.986	5.54	mg/kg					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7440-67-7	Zirconium	1.45	J	0.931	5.54	mg/kg	J	J	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7440-70-2	CALCIUM	5400		6.79	22.2	mg/kg					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6010B	12/30/2010	NA	3050B	DE042	11.5	1	7723-14-0	PHOSPHORUS	475	J	0.620	11.1	mg/kg	J		J	Q	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	1/4/2011	NA	3050B	DE042	11.5	2	7782-49-2	SELENIUM	0.12	J	0.0443	0.443	mg/kg	J	J	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7439-98-7	MOLYBDENUM	0.865	J	0.0554	0.111	mg/kg	J		J	Q	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-39-3	BARIUM	136	J	0.120	0.443	mg/kg	J		J	E, *#	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7439-92-1	LEAD	29.7	J	0.0115	0.222	mg/kg	J		J	E, *#	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-02-0	NICKEL	15.7	J	0.111	0.443	mg/kg	J		J	E, Q, *#	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-22-4	SILVER	0.141	J	0.0133	0.111	mg/kg	J		J	Q	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-28-0	THALLIUM	0.387	J	0.0332	0.111	mg/kg	J		J	Q	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-36-0	ANTIMONY	0.222	UJ	0.0665	0.222	mg/kg	UJ	J	UJ	B, Q, Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-38-2	ARSENIC	7.45	J	0.0665	0.443	mg/kg	J		J	E, Q	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-41-7	BERYLLIUM	0.735	J	0.0177	0.111	mg/kg	J		J	E, Q	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-43-9	CADMIUM	0.743	J	0.0399	0.111	mg/kg	J		J	Q	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-47-3	CHROMIUM	30.3	J	0.133	0.443	mg/kg	J		J	E, Q, *#	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-48-4	COBALT	7.3	J	0.0222	0.111	mg/kg	J		J	Q, *#	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-50-8	COPPER	16	J	0.0731	0.443	mg/kg	J		J	E, Q, *#	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-62-2	VANADIUM	52.1	J	0.0244	0.111	mg/kg	J		J	E, Q, *#	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	6020	12/30/2010	NA	3050B	DE042	11.5	2	7440-66-6	ZINC	117	J	0.620	3.32	mg/kg	J		J	E	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	7199	1/18/2011		3060A	DE042	11.5	1	18540-29-9	HEXAVALENT CHROMIUM	0.56	J	0.23	1.1	mg/kg	J	J	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	7471A	12/23/2010	NA	METHOD	DE042	11.5	1	7439-97-6	MERCURY	0.0741	J	0.0031	0.107	mg/kg	J	J	J	Z	MDL	PQL	6348102.692	1909097.289

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	1024-57-3	HEPTACHLOR EPOXIDE	0.19	UJ	0.055	0.19	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	1031-07-8	ENDOSULFAN SULFATE	0.38	UJ	0.075	0.38	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	2385-85-5	MIREX	0.55	UJ	0.55	0.55	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	309-00-2	ALDRIN	0.19	UJ	0.075	0.19	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	319-84-6	ALPHA-BHC	0.19	UJ	0.038	0.19	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	319-85-7	BETA-BHC	0.19	UJ	0.068	0.19	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	319-86-8	DELTA-BHC	0.19	UJ	0.041	0.19	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	33213-65-9	ENDOSULFAN II	0.38	UJ	0.15	0.38	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	50-29-3	4,4'-DDT	2.1	UJ	2.1	2.1	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	53494-70-5	ENDRIN KETONE	0.38	UJ	0.22	0.38	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	57-74-9	Chlordane	3.8	UJ	2.1	3.8	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	58-89-9	gamma-BHC (Lindane)	0.19	UJ	0.038	0.19	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	60-57-1	DIELDRIN	0.38	UJ	0.34	0.38	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	72-20-8	ENDRIN	0.38	UJ	0.075	0.38	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	72-43-5	METHOXYCHLOR	1.9	UJ	0.38	1.9	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	72-54-8	4,4'-DDD	0.38	UJ	0.075	0.38	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	72-55-9	4,4'-DDE	1.3	UJ	1.3	1.3	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	7421-93-4	ENDRIN ALDEHYDE	0.38	UJ	0.28	0.38	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	76-44-8	HEPTACHLOR	0.19	UJ	0.068	0.19	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	8001-35-2	TOXAPHENE	7.5	UJ	2.5	7.5	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8081A	1/24/2011		3550B	DE042	11.5	1	959-98-8	ENDOSULFAN I	0.19	UJ	0.050	0.19	ug/kg	UJ	U	UJ	S	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	11096-82-5	AROCLOR 1260	6.9		0.75	3.8	ug/kg					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	11097-69-1	AROCLOR 1254	4.1		0.75	3.8	ug/kg					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	11100-14-4	Aroclor 1268	3.8	U	0.75	3.8	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	11104-28-2	AROCLOR 1221	3.8	U	1.1	3.8	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	11126-42-4	Aroclor 5460	13	J	2.3	7.5	ug/kg	J		J	L	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	11141-16-5	AROCLOR 1232	3.8	U	1.2	3.8	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	12642-23-8	Aroclor 5442	7.5	UJ	2.3	7.5	ug/kg	UJ	U	UJ	L	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	12672-29-6	AROCLOR 1248	3.8	U	0.75	3.8	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	12674-11-2	AROCLOR 1016	3.8	U	0.75	3.8	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	37324-23-5	Aroclor 1262	3.8	U	0.75	3.8	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	53469-21-9	AROCLOR 1242	3.8	U	1.1	3.8	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8082	12/31/2010		3550B	DE042	11.5	2	63496-31-1	Aroclor 5432	7.5	UJ	2.3	7.5	ug/kg	UJ	U	UJ	L	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8151A	1/2/2011		3550B	DE042	11.5	1	120-36-5	DICHLOROPROP	1.9	U	0.90	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8151A	1/2/2011		3550B	DE042	11.5	1	1918-00-9	DICAMBA	0.49	J	0.45	1.4	ug/kg	J	J	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8151A	1/2/2011		3550B	DE042	11.5	1	75-99-0	DALAPON	10	U	5.0	10	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8151A	1/2/2011		3550B	DE042	11.5	1	88-85-7	DINOSEB	2.7	R	0.90	2.7	ug/kg	R	U	R	L	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8151A	1/2/2011		3550B	DE042	11.5	1	93-65-2	MCPP	220	J	85	280	ug/kg	J	J	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8151A	1/2/2011		3550B	DE042	11.5	1	93-72-1	2,4,5-TP (Silvex)	0.19	U	0.085	0.19	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8151A	1/2/2011		3550B	DE042	11.5	1	93-76-5	2,4,5-T	0.19	U	0.093	0.19	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8151A	1/2/2011		3550B	DE042	11.5	1	94-74-6	MCPA	360	U	360	360	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8151A	1/2/2011		3550B	DE042	11.5	1	94-75-7	2,4-D	1.9	J	1.4	4.1	ug/kg	J	J	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8151A	1/2/2011		3550B	DE042	11.5	1	94-82-6	2,4-DB	1.9	U	0.70	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	100-01-6	4-NITROANILINE	190	U	75	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	100-02-7	4-NITROPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	100-51-6	BENZYL ALCOHOL	560	U	190	560	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	106-44-5	4-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	106-47-8	4-CHLOROANILINE	190	U	75	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	108-68-9	3,5-Dimethylphenol	190	U	38	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	51	J	19	380	ug/kg	J	J	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	121-14-2	2,4-DINITROTOLUENE	190	U	38	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	51-28-5	2,4-DINITROPHENOL	2300	U	750	2300	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	62-53-3	ANILINE	560	U	190	560	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	65-85-0	BENZOIC ACID	560	U	190	560	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	38	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	560	U	190	560	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	86-74-8	CARBAZOLE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	87-68-3	HEXACHLOROBUTADIENE	190	U	75	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	87-86-5	PENTACHLOROPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6348102.692	1909097.289

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	91-94-1	3,3'-DICHLOROBENZIDINE	380	U	110	380	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	92-87-5	BENZIDINE	3800	U	1300	3800	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	95-48-7	2-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C	1/19/2011		3550B	DE042	11.5	1	99-09-2	3-NITROANILINE	190	U	38	190	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	117-84-0	Di-n-octylphthalate	20	U	6.8	20	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	120-12-7	ANTHRACENE	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	129-00-0	PYRENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	131-11-3	Dimethylphthalate	20	U	6.8	20	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	191-24-2	BENZO(G,H,I)PERYLENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	205-99-2	BENZO(B)FLUORANTHENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	206-44-0	FLUORANTHENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	218-01-9	CHRYSENE	1.8	J	0.38	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	50-32-8	BENZO(A)PYRENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	56-55-3	BENZO(A)ANTHRACENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	83-32-9	ACENAPHTHENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	84-66-2	Diethylphthalate	20	U	6.8	20	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	84-74-2	Di-n-butylphthalate	20	U	6.8	20	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	85-01-8	PHENANTHRENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	85-68-7	Butylbenzylphthalate	20	U	6.8	20	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	86-73-7	FLUORENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	90-12-0	1-METHYLNAPHTHALENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	91-20-3	NAPHTHALENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	8270C SIM	1/6/2011		3550B	DE042	11.5	1	91-57-6	2-METHYLNAPHTHALENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	9045M	12/20/2010		Gen Prep	DE042	11.5	1	pH	PH	7.92		0.0100	0.0100	pH unit					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167470	ASTM D1498	12/20/2010		Gen Prep	DE042	11.5	1	REDOX	Oxidation Reduction Potential	426		10.0	10.0	mv					MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	1746-01-6	2,3,7,8-TCDD	0.19	J	0.0263	1.13	ng/kg	J	J	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	19408-74-3	1,2,3,7,8,9-HXCDD	5.15	J	0.0353	5.65	ng/kg	J	JB	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	3268-87-9	OCDD	3550		0.119	11.3	ng/kg		B			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	419		0.139	5.65	ng/kg		B			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	39001-02-0	OCDF	82.4		0.0356	11.3	ng/kg		B			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	39227-28-6	1,2,3,4,7,8-HxCDD	4.07	J	0.0350	5.65	ng/kg	J	JB	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	40321-76-4	1,2,3,7,8-PECDD	0.963	J	0.0547	5.65	ng/kg	J	JB	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	51207-31-9	2,3,7,8-TCDF	0.501	J	0.0533	1.13	ng/kg	J	JB	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	3.16	J	0.0563	5.65	ng/kg	J	JB	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	57117-31-4	2,3,4,7,8-PECDF	1.11	J	0.0245	5.65	ng/kg	J	JB	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	57117-41-6	1,2,3,7,8-PECDF	0.661	J	0.0247	5.65	ng/kg	J	JB	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	57117-44-9	1,2,3,6,7,8-HXCDF	1.35	J	0.0314	5.65	ng/kg	J	JB	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	57653-85-7	1,2,3,6,7,8-HXCDD	15.1		0.0363	5.65	ng/kg		B			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	60851-34-5	2,3,4,6,7,8-HXCDF	2.2	J	0.0345	5.65	ng/kg	J	JB	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	38.5		0.0438	5.65	ng/kg		B			MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	70648-26-9	1,2,3,4,7,8-HXCDF	1.31	J	0.0347	5.65	ng/kg	J	JB	J	Z	MDL	PQL	6348102.692	1909097.289
SED-017-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167494	1613B	1/21/2011		METHOD	DX026	11.5	1	72918-21-9	1,2,3,7,8,9-HXCDF	0.332	J	0.0388	5.65	ng/kg	J	JB	J	Z	MDL	PQL	6348102.692	1909097.289
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	160.3M	12/22/2010		Gen Prep	DE040	9.9	1	MOIST	MOISTURE	9.9		0.50	0.50	%					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	300.0	1/12/2011		METHOD	DE040	9.9	1	16984-48-8	FLUORIDE	1.3		0.89	1.1	mg/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	314.0	1/7/2011		Gen Prep	DE040	9.9	1	14797-73-0	PERCHLORATE	33.3	U	10	33.3	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/30/2010	NA	3050B	DE040	9.9	1	7429-90-5	ALUMINUM	14800		5.53	22.0	mg/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/30/2010	NA	3050B	DE040	9.9	1	7439-89-6	IRON	20100	J	5.18	22.0	mg/kg	J		J	E	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/30/2010	NA	3050B	DE040	9.9	1	7440-09-7	POTASSIUM	3880	J	19.8	54.9	mg/kg	J		J	Q	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/30/2010	NA	3050B	DE040	9.9	1	7440-23-5	SODIUM	71.2	J	41.0	110	mg/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/30/2010	NA	3050B	DE040	9.9	1	7440-32-6	TITANIUM	1260		0.418	1.10	mg/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/30/2010	NA	3050B	DE040	9.9	1	7440-42-8	BORON	5.74		0.978	5.49	mg/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/29/2010	NA	3050B	DE040	9.9	1	7439-93-2	LITHIUM	27.1	J	0.24	2.2	mg/kg	J		J	E	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/29/2010	NA	3050B	DE040	9.9	1	7439-95-4	MAGNESIUM	4410	J	2.79	11.0	mg/kg	J		J	*#	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/29/2010	NA	3050B	DE040	9.9	1	7439-96-5	MANGANESE	306	J	0.0857	0.549	mg/kg	J		J	E	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/29/2010	NA	3050B	DE040	9.9	1	7440-24-6	STRONTIUM	14.8	J	0.0681	0.549	mg/kg	J		J	E	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/29/2010	NA	3050B	DE040	9.9	1	7440-31-5	TIN	11	U	1.10	11.0	mg/kg	U	J	U	B, Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/29/2010	NA	3050B	DE040	9.9	1	7440-67-7	Zirconium	1.38	J	0.923	5.49	mg/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/29/2010	NA	3050B	DE040	9.9	1	7440-70-2	CALCIUM	3310	J	6.74	22.0	mg/kg	J		J	*#	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6010B	12/29/2010	NA	3050B	DE040	9.9	1	7723-14-0	PHOSPHORUS	394	J	0.615	11.0	mg/kg	J		J	Q, E	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7782-49-2	SELENIUM	0.155	J	0.0440	0.440	mg/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7439-98-7	MOLYBDENUM	0.468		0.0549	0.110	mg/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-39-3	BARIUM	80.1	J	0.119	0.440	mg/kg	J		J	*#	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7439-92-1	LEAD	7.2	J	0.0114	0.220	mg/kg	J		J	Q, E, *#	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-02-0	NICKEL	9.7	J	0.110	0.440	mg/kg	J		J	E, *#	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-22-4	SILVER	0.0255	J	0.0132	0.110	mg/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-28-0	THALLIUM	0.234		0.0330	0.110	mg/kg					MDL	PQL	6348141.279	1908963.523

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-36-0	ANTIMONY	0.22	UJ	0.0659	0.220	mg/kg	UJ	U	UJ	Q	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-38-2	ARSENIC	4.12	J	0.0659	0.440	mg/kg	J		J	Q	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-41-7	BERYLLIUM	0.486		0.0176	0.110	mg/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-43-9	CADMIUM	0.166		0.0396	0.110	mg/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-47-3	CHROMIUM	15.9	J	0.132	0.440	mg/kg	J		J	E, Q, *#	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-48-4	COBALT	4.39	J	0.0220	0.110	mg/kg	J		J	*#	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-50-8	COPPER	6.16		0.0725	0.440	mg/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-62-2	VANADIUM	28.6	J	0.0242	0.110	mg/kg	J		J	Q, *#	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	6020	12/30/2010	NA	3050B	DE040	9.9	2	7440-66-6	ZINC	54.9	J	0.615	3.30	mg/kg	J		J	E, *#	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	7199	1/19/2011		3060A	DE040	9.9	1	18540-29-9	HEXAVALENT CHROMIUM	0.34	J	0.22	1.1	mg/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	7471A	12/21/2010	NA	METHOD	DE040	9.9	1	7439-97-6	MERCURY	0.0097	J	0.0031	0.108	mg/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	1024-57-3	HEPTACHLOR EPOXIDE	0.18	U	0.13	0.18	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	1031-07-8	ENDOSULFAN SULFATE	0.38	U	0.073	0.38	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	2385-85-5	MIREX	0.38	U	0.073	0.38	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	309-00-2	ALDRIN	0.18	U	0.073	0.18	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	319-84-6	ALPHA-BHC	0.18	U	0.038	0.18	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	319-85-7	BETA-BHC	0.18	U	0.067	0.18	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	319-86-8	DELTA-BHC	0.078	J	0.040	0.18	ug/kg	J	J	J	S, Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	33213-65-9	ENDOSULFAN II	0.38	UJ	0.073	0.38	ug/kg	UJ	U	UJ	L	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	50-29-3	4,4'-DDT	0.38	U	0.28	0.38	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	53494-70-5	ENDRIN KETONE	0.38	U	0.073	0.38	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	57-74-9	Chlordane	3.8	U	0.89	3.8	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	58-89-9	gamma-BHC (Lindane)	0.18	U	0.038	0.18	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	60-57-1	DIELDRIN	0.38	U	0.073	0.38	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	72-20-8	ENDRIN	0.38	U	0.073	0.38	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	72-43-5	METHOXYCHLOR	1.8	U	0.38	1.8	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	72-54-8	4,4'-DDD	0.38	U	0.073	0.38	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	72-55-9	4,4'-DDE	0.38	U	0.20	0.38	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	7421-93-4	ENDRIN ALDEHYDE	0.38	U	0.073	0.38	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	76-44-8	HEPTACHLOR	0.12	J	0.067	0.18	ug/kg	J	J	J	S, Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	8001-35-2	TOXAPHENE	7.3	U	2.4	7.3	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8081A	1/13/2011		3550B	DE040	9.9	1	959-98-8	ENDOSULFAN I	0.18	U	0.049	0.18	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/24/2010		3550B	DE040	9.9	1	11126-42-4	Aroclor 5460	3.7		1.1	3.7	ug/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/29/2010		3550B	DE040	9.9	1	11096-82-5	AROCLOR 1260	1.1	J	0.37	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/29/2010		3550B	DE040	9.9	1	11097-69-1	AROCLOR 1254	1.1	J	0.37	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/29/2010		3550B	DE040	9.9	1	11100-14-4	Aroclor 1268	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/29/2010		3550B	DE040	9.9	1	11104-28-2	AROCLOR 1221	1.9	U	0.55	1.9	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/29/2010		3550B	DE040	9.9	1	11141-16-5	AROCLOR 1232	1.9	U	0.58	1.9	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/29/2010		3550B	DE040	9.9	1	12642-23-8	Aroclor 5442	3.7	U	1.1	3.7	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/29/2010		3550B	DE040	9.9	1	12672-29-6	AROCLOR 1248	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/29/2010		3550B	DE040	9.9	1	12674-11-2	AROCLOR 1016	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/29/2010		3550B	DE040	9.9	1	37324-23-5	Aroclor 1262	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/29/2010		3550B	DE040	9.9	1	53469-21-9	AROCLOR 1242	1.9	U	0.55	1.9	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8082	12/29/2010		3550B	DE040	9.9	1	63496-31-1	Aroclor 5432	3.7	U	1.1	3.7	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8151A	12/31/2010		3550B	DE040	9.9	1	120-36-5	DICHLOROPROP	1.9	U	0.89	1.9	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8151A	12/31/2010		3550B	DE040	9.9	1	1918-00-9	DICAMBA	1.3	U	0.44	1.3	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8151A	12/31/2010		3550B	DE040	9.9	1	75-99-0	DALAPON	10	U	4.9	10	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8151A	12/31/2010		3550B	DE040	9.9	1	88-85-7	DINOSEB	2.7	R	0.89	2.7	ug/kg	R	U	R	L	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8151A	12/31/2010		3550B	DE040	9.9	1	93-65-2	MCPP	200	J	83	280	ug/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8151A	12/31/2010		3550B	DE040	9.9	1	93-72-1	2,4,5-TP (Silvex)	0.23		0.083	0.19	ug/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8151A	12/31/2010		3550B	DE040	9.9	1	93-76-5	2,4,5-T	0.19	U	0.091	0.19	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8151A	12/31/2010		3550B	DE040	9.9	1	94-74-6	MCPA	760		84	280	ug/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8151A	12/31/2010		3550B	DE040	9.9	1	94-75-7	2,4-D	4	U	1.3	4.0	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8151A	12/31/2010		3550B	DE040	9.9	1	94-82-6	2,4-DB	12	U	12	12	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	100-01-6	4-NITROANILINE	180	U	74	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	100-02-7	4-NITROPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	100-51-6	BENZYL ALCOHOL	550	U	180	550	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	105-67-9	2,4-DIMETHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	106-44-5	4-METHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	106-46-7	1,4-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	106-47-8	4-CHLOROANILINE	180	U	74	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	108-68-9	3,5-Dimethylphenol	180	U	37	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	108-95-2	PHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	24	J	18	370	ug/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	118-74-1	HEXACHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	120-82-1	1,2,4-TRICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	120-83-2	2,4-DICHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	121-14-2	2,4-DINITROTOLUENE	180	U	37	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	132-64-9	DIBENZOFURAN	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	51-28-5	2,4-DINITROPHENOL	2200	U	740	2200	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	541-73-1	1,3-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	59-50-7	4-CHLORO-3-METHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	606-20-2	2,6-DINITROTOLUENE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	62-53-3	ANILINE	550	U	180	550	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	65-85-0	BENZOIC ACID	550	U	180	550	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	67-72-1	HEXACHLOROETHANE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	180	U	37	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	550	U	180	550	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	78-59-1	ISOPHORONE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	86-30-6	N-NITROSODIPHENYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	86-74-8	CARBAZOLE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	87-68-3	HEXACHLOROBUTADIENE	180	U	74	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	87-86-5	PENTACHLOROPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	88-06-2	2,4,6-TRICHLOROPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	88-74-4	2-NITROANILINE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	88-75-5	2-NITROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	91-58-7	2-CHLORONAPHTHALENE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	91-94-1	3,3'-DICHLOROBENZIDINE	370	U	110	370	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	92-87-5	BENZIDINE	3700	U	1300	3700	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	95-48-7	2-METHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	95-50-1	1,2-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	95-57-8	2-CHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	98-95-3	NITROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C	1/16/2011		3550B	DE040	9.9	1	99-09-2	3-NITROANILINE	180	U	37	180	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	117-84-0	Di-n-octylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	120-12-7	ANTHRACENE	0.65	J	0.37	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	129-00-0	PYRENE	5.4		0.74	1.8	ug/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	131-11-3	Dimethylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	191-24-2	BENZO(G,H,I)PERYLENE	1.2	J	0.74	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.1	J	0.74	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	205-99-2	BENZO(B)FLUORANTHENE	4.7		0.74	1.8	ug/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	206-44-0	FLUORANTHENE	8		0.74	1.8	ug/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	207-08-9	BENZO(K)FLUORANTHENE	2		0.74	1.8	ug/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	208-96-8	ACENAPHTHYLENE	1.8	U	0.37	1.8	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	218-01-9	CHRYSENE	4.1		0.37	1.8	ug/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	50-32-8	BENZO(A)PYRENE	2.2		0.74	1.8	ug/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	56-55-3	BENZO(A)ANTHRACENE	2		0.74	1.8	ug/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	62-75-9	N-NITROSODIMETHYLAMINE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	83-32-9	ACENAPHTHENE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	84-66-2	Diethylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	84-74-2	Di-n-butylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	85-01-8	PHENANTHRENE	4.7		0.74	1.8	ug/kg					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	85-68-7	Butylbenzylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	86-73-7	FLUORENE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	90-12-0	1-METHYLNAPHTHALENE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	91-20-3	NAPHTHALENE	1.5	J	0.74	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	8270C SIM	1/5/2011		3550B	DE040	9.9	1	91-57-6	2-METHYLNAPHTHALENE	1.8	U	0.74	1.8	ug/kg		U			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	9045M	12/17/2010		Gen Prep	DE040	9.9	1	pH	PH	7.25		0.0100	0.0100	pH unit					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166080	ASTM D1498	12/17/2010		Gen Prep	DE040	9.9	1	REDOX	Oxidation Reduction Potential	459		10.0	10.0	mv					MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	1746-01-6	2,3,7,8-TCDD	0.0408	J	0.0180	1.11	ng/kg	J	JQ	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.458	J	0.0290	5.55	ng/kg	J	JBQ	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	3268-87-9	OCDD	191		0.0605	11.1	ng/kg		B			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	16.4		0.0518	5.55	ng/kg		B			MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	39001-02-0	OCDF	8.78	J	0.0404	11.1	ng/kg	J	JB	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.202	J	0.0272	5.55	ng/kg	J	JBQ	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	40321-76-4	1,2,3,7,8-PECDD	0.19	J	0.0296	5.55	ng/kg	J	JQ	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	51207-31-9	2,3,7,8-TCDF	0.128	J	0.0342	1.11	ng/kg	J	JBQ	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.55	U	0.0358	5.55	ng/kg	U	JB	U	B, Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	57117-31-4	2,3,4,7,8-PECDF	0.461	J	0.0156	5.55	ng/kg	J	JB	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	57117-41-6	1,2,3,7,8-PECDF	0.26	J	0.0144	5.55	ng/kg	J	JB	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.196	J	0.0169	5.55	ng/kg	J	JBQ	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.619	J	0.0290	5.55	ng/kg	J	JB	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	60851-34-5	2,3,4,6,7,8-HXCDF	5.55	U	0.0191	5.55	ng/kg	U	JB	U	B, Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	2.93	J	0.0183	5.55	ng/kg	J	JB	J	Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.55	U	0.0200	5.55	ng/kg	U	JB	U	B, Z	MDL	PQL	6348141.279	1908963.523
SED-018-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166119	1613B	1/19/2011		METHOD	DX024	9.9	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.55	U	0.0270	5.55	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6348141.279	1908963.523
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	160.3M	12/23/2010		Gen Prep	DE042	25.8	1	MOIST	MOISTURE	25.8		0.50	0.50	%					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	300.0	1/12/2011		METHOD	DE042	25.8	1	16984-48-8	FLUORIDE	1.4		1.1	1.3	mg/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	314.0	1/13/2011		METHOD	DE042	25.8	1	14797-73-0	PERCHLORATE	40.4	U	12.1	40.4	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7429-90-5	ALUMINUM	16900		6.52	25.9	mg/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7439-89-6	IRON	25200		6.10	25.9	mg/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7439-93-2	LITHIUM	26.8	J	0.29	2.6	mg/kg	J		J	*#	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7439-95-4	MAGNESIUM	4990		3.29	13.0	mg/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7439-96-5	MANGANESE	269		0.101	0.648	mg/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7440-09-7	POTASSIUM	3540	J	23.3	64.8	mg/kg	J		J	Q	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7440-23-5	SODIUM	136		48.3	130	mg/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7440-24-6	STRONTIUM	26.2		0.0803	0.648	mg/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7440-31-5	TIN	13	U	1.30	13.0	mg/kg	U	J	U	B, Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7440-32-6	TITANIUM	1270		0.492	1.30	mg/kg					MDL	PQL	6348022.947	1908953.233

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7440-42-8	BORON	6.31	J	1.15	6.48	mg/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7440-67-7	Zirconium	1.15	J	1.09	6.48	mg/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7440-70-2	CALCIUM	3050		7.94	25.9	mg/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6010B	12/30/2010	NA	3050B	DE042	25.8	1	7723-14-0	PHOSPHORUS	707	J	0.726	13.0	mg/kg	J		J	Q	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	1/4/2011	NA	3050B	DE042	25.8	5	7440-66-6	ZINC	308	J	1.83	9.81	mg/kg	J		J	E	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	1/4/2011	NA	3050B	DE042	25.8	2	7782-49-2	SELENIUM	0.202	J	0.0523	0.523	mg/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7439-98-7	MOLYBDENUM	3.69	J	0.0654	0.131	mg/kg	J		J	Q	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-39-3	BARIUM	183	J	0.141	0.523	mg/kg	J		J	E, *#	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7439-92-1	LEAD	54.2	J	0.0136	0.262	mg/kg	J		J	E, *#	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-02-0	NICKEL	23.5	J	0.131	0.523	mg/kg	J		J	E, Q, *#	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-22-4	SILVER	0.267	J	0.0157	0.131	mg/kg	J		J	Q	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-28-0	THALLIUM	0.505	J	0.0393	0.131	mg/kg	J		J	Q	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-36-0	ANTIMONY	0.931	J	0.0785	0.262	mg/kg	J		J	Q	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-38-2	ARSENIC	11.1	J	0.0785	0.523	mg/kg	J		J	E, Q	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-41-7	BERYLLIUM	1.07	J	0.0209	0.131	mg/kg	J		J	E, Q	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-43-9	CADMIUM	2.23	J	0.0471	0.131	mg/kg	J		J	Q	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-47-3	CHROMIUM	40.2	J	0.157	0.523	mg/kg	J		J	E, Q, *#	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-48-4	COBALT	11.2	J	0.0262	0.131	mg/kg	J		J	Q, *#	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-50-8	COPPER	50.5	J	0.0864	0.523	mg/kg	J		J	E, Q, *#	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	6020	12/30/2010	NA	3050B	DE042	25.8	2	7440-62-2	VANADIUM	68.2	J	0.0288	0.131	mg/kg	J		J	E, Q, *#	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	7199	1/18/2011		3060A	DE042	25.8	1	18540-29-9	HEXAVALENT CHROMIUM	1.3	U	0.27	1.3	mg/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	7471A	12/23/2010	NA	METHOD	DE042	25.8	1	7439-97-6	MERCURY	0.574		0.0036	0.127	mg/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	20	50-29-3	4,4'-DDT	32	U	32	32	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	20	72-54-8	4,4'-DDD	19	U	19	19	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	1024-57-3	HEPTACHLOR EPOXIDE	1.1	U	0.75	1.1	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	1031-07-8	ENDOSULFAN SULFATE	2.3	U	0.44	2.3	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	2385-85-5	MIREX	2.3	U	1.8	2.3	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	309-00-2	ALDRIN	1.1	U	0.44	1.1	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	319-84-6	ALPHA-BHC	1.1	U	0.23	1.1	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	319-85-7	BETA-BHC	1.1	U	0.40	1.1	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	319-86-8	DELTA-BHC	0.29	J	0.24	1.1	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	33213-65-9	ENDOSULFAN II	2.3	U	1.6	2.3	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	53494-70-5	ENDRIN KETONE	2.3	U	0.44	2.3	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	57-74-9	Chlordane	23	U	22	23	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	58-89-9	gamma-BHC (Lindane)	1.1	U	0.23	1.1	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	60-57-1	DIELDRIN	2.3	U	1.6	2.3	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	72-20-8	ENDRIN	2.3	U	0.44	2.3	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	72-43-5	METHOXYCHLOR	11	U	2.3	11	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	72-55-9	4,4'-DDE	2.3	U	2.1	2.3	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	7421-93-4	ENDRIN ALDEHYDE	5.9	U	5.9	5.9	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	76-44-8	HEPTACHLOR	1.1	U	0.40	1.1	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	8001-35-2	TOXAPHENE	44	U	15	44	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8081A	1/24/2011		3550B	DE042	25.8	5	959-98-8	ENDOSULFAN I	1.1	U	0.30	1.1	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	11096-82-5	AROCLOR 1260	180		4.4	23	ug/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	11097-69-1	AROCLOR 1254	99		4.4	23	ug/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	11100-14-4	Aroclor 1268	23	U	4.4	23	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	11104-28-2	AROCLOR 1221	23	U	6.7	23	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	11126-42-4	Aroclor 5460	130	J	13	44	ug/kg	J		J	L	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	11141-16-5	AROCLOR 1232	23	U	7.0	23	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	12642-23-8	Aroclor 5442	44	UJ	13	44	ug/kg	UJ	U	UJ	L	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	12672-29-6	AROCLOR 1248	23	U	4.4	23	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	12674-11-2	AROCLOR 1016	23	U	4.4	23	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	37324-23-5	Aroclor 1262	23	U	4.4	23	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	53469-21-9	AROCLOR 1242	23	U	6.7	23	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8082	12/31/2010		3550B	DE042	25.8	10	63496-31-1	Aroclor 5432	44	UJ	13	44	ug/kg	UJ	U	UJ	L	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8151A	1/2/2011		3550B	DE042	25.8	1	120-36-5	DICHLOROPROP	2.3	U	1.1	2.3	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8151A	1/2/2011		3550B	DE042	25.8	1	1918-00-9	DICAMBA	0.73	J	0.54	1.6	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8151A	1/2/2011		3550B	DE042	25.8	1	75-99-0	DALAPON	12	U	5.9	12	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8151A	1/2/2011		3550B	DE042	25.8	1	88-85-7	DINOSEB	3.2	R	1.1	3.2	ug/kg	R	U	R	L	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8151A	1/2/2011		3550B	DE042	25.8	1	93-65-2	MCPP	670	U	670	670	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8151A	1/2/2011		3550B	DE042	25.8	1	93-72-1	2,4,5-TP (Silvex)	0.53		0.10	0.23	ug/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8151A	1/2/2011		3550B	DE042	25.8	1	93-76-5	2,4,5-T	0.62	U	0.62	0.62	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8151A	1/2/2011		3550B	DE042	25.8	1	94-74-6	MCPA	700		100	340	ug/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8151A	1/2/2011		3550B	DE042	25.8	1	94-75-7	2,4-D	4.9	U	1.6	4.9	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8151A	1/2/2011		3550B	DE042	25.8	1	94-82-6	2,4-DB	2.3	U	0.84	2.3	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	100-01-6	4-NITROANILINE	220	U	90	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	100-02-7	4-NITROPHENOL	670	U	220	670	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	100-51-6	BENZYL ALCOHOL	670	U	220	670	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	105-67-9	2,4-DIMETHYLPHENOL	220	U	45	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	106-44-5	4-METHYLPHENOL	220	U	45	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	106-46-7	1,4-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	106-47-8	4-CHLOROANILINE	220	U	90	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	108-68-9	3,5-Dimethylphenol	220	U	45	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	108-95-2	PHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	120	J	22	450	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	117-84-0	Di-n-octylphthalate	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	118-74-1	HEXACHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	120-82-1	1,2,4-TRICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	120-83-2	2,4-DICHLOROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	121-14-2	2,4-DINITROTOLUENE	220	U	45	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	129-00-0	PYRENE	47	J	22	220	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	131-11-3	Dimethylphthalate	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	132-64-9	DIBENZOFURAN	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	206-44-0	FLUORANTHENE	71	J	22	220	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	218-01-9	CHRYSENE	37	J	22	220	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	51-28-5	2,4-DINITROPHENOL	2700	U	900	2700	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	670	U	220	670	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	541-73-1	1,3-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	56-55-3	BENZO(A)ANTHRACENE	24	J	22	220	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	59-50-7	4-CHLORO-3-METHYLPHENOL	220	U	45	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	606-20-2	2,6-DINITROTOLUENE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	62-53-3	ANILINE	670	U	220	670	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	65-85-0	BENZOIC ACID	670	U	220	670	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	67-72-1	HEXACHLOROETHANE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	220	U	45	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	670	U	220	670	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	78-59-1	ISOPHORONE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	84-66-2	Diethylphthalate	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	84-74-2	Di-n-butylphthalate	26	J	22	220	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	85-68-7	Butylbenzylphthalate	42	J	22	220	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	86-30-6	N-NITROSODIPHENYLAMINE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	86-74-8	CARBAZOLE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	87-68-3	HEXACHLOROBUTADIENE	220	U	90	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	87-86-5	PENTACHLOROPHENOL	670	U	220	670	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	88-06-2	2,4,6-TRICHLOROPHENOL	220	U	45	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	88-74-4	2-NITROANILINE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	88-75-5	2-NITROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	91-58-7	2-CHLORONAPHTHALENE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	91-94-1	3,3'-DICHLOROBENZIDINE	450	U	130	450	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	92-87-5	BENZIDINE	4500	U	1600	4500	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	95-48-7	2-METHYLPHENOL	220	U	45	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	95-50-1	1,2-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	95-57-8	2-CHLOROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	95-95-4	2,4,5-TRICHLOROPHENOL	220	U	45	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	98-95-3	NITROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C	1/19/2011		3550B	DE042	25.8	1	99-09-2	3-NITROANILINE	220	U	45	220	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	120-12-7	ANTHRACENE	6	J	2.2	11	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	191-24-2	BENZO(G,H,I)PERYLENE	12		4.5	11	ug/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	193-39-5	INDENO(1,2,3-CD)PYRENE	8.6	J	4.5	11	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	205-99-2	BENZO(B)FLUORANTHENE	35		4.5	11	ug/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	207-08-9	BENZO(K)FLUORANTHENE	9.7	J	4.5	11	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	208-96-8	ACENAPHTHYLENE	11	U	2.2	11	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	50-32-8	BENZO(A)PYRENE	16		4.5	11	ug/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	53-70-3	DIBENZO(A,H)ANTHRACENE	11	U	4.5	11	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	62-75-9	N-NITROSODIMETHYLAMINE	11	U	4.5	11	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	83-32-9	ACENAPHTHENE	11	U	4.5	11	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	85-01-8	PHENANTHRENE	22		4.5	11	ug/kg					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	86-73-7	FLUORENE	11	U	4.5	11	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	90-12-0	1-METHYLNAPHTHALENE	11	U	4.5	11	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	91-20-3	NAPHTHALENE	9	J	4.5	11	ug/kg	J	J	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	8270C SIM	1/6/2011		3550B	DE042	25.8	5	91-57-6	2-METHYLNAPHTHALENE	11	U	4.5	11	ug/kg		U			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	9045M	12/20/2010		Gen Prep	DE042	25.8	1	pH	PH	4.76		0.0100	0.0100	pH unit					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167471	ASTM D1498	12/20/2010		Gen Prep	DE042	25.8	1	REDOX	Oxidation Reduction Potential	557		10.0	10.0	mv					MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	2/4/2011		METHOD	DX026	25.8	1	51207-31-9	2,3,7,8-TCDF	9.59		0.123	1.35	ng/kg		B		Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	1746-01-6	2,3,7,8-TCDD	2.18		0.107	1.35	ng/kg		Q			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	19408-74-3	1,2,3,7,8,9-HXCDD	26.7		0.177	6.74	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	3268-87-9	OCDD	24600	J	0.396	13.5	ng/kg	J	EB	J	*#	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	1720		0.713	6.74	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	39001-02-0	OCDF	703		0.148	13.5	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	39227-28-6	1,2,3,4,7,8-HxCDD	16		0.173	6.74	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	40321-76-4	1,2,3,7,8-PECDD	4.86	J	0.240	6.74	ng/kg	J	JBQ	J	Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	51207-31-9	2,3,7,8-TCDF	8.6		0.220	1.35	ng/kg		B		Z	MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	21.9		0.196	6.74	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	57117-31-4	2,3,4,7,8-PECDF	9.6		0.0708	6.74	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	57117-41-6	1,2,3,7,8-PECDF	18.1		0.0740	6.74	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	57117-44-9	1,2,3,6,7,8-HXCDF	11.4		0.138	6.74	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	57653-85-7	1,2,3,6,7,8-HXCDD	62.8		0.173	6.74	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	60851-34-5	2,3,4,6,7,8-HXCDF	13.7		0.138	6.74	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	239		0.165	6.74	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	70648-26-9	1,2,3,4,7,8-HXCDF	11.8		0.150	6.74	ng/kg		B			MDL	PQL	6348022.947	1908953.233
SED-019-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167495	1613B	1/21/2011		METHOD	DX026	25.8	1	72918-21-9	1,2,3,7,8,9-HXCDF	2.48	J	0.153	6.74	ng/kg	J	JB	J	Z	MDL	PQL	6348022.947	1908953.233
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	160.3M	12/23/2010		Gen Prep	DE042	8	1	MOIST	MOISTURE	8		0.50	0.50	%					MDL	PQL	6348282.945	1909366.906

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	300.0	1/12/2011		METHOD	DE042	8	1	16984-48-8	FLUORIDE	1.1		0.87	1.1	mg/kg					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	314.0	1/13/2011		METHOD	DE042	8	1	14797-73-0	PERCHLORATE	32.6	U	9.8	32.6	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7429-90-5	ALUMINUM	9110		5.36	21.3	mg/kg					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7439-89-6	IRON	14100		5.02	21.3	mg/kg					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7439-93-2	LITHIUM	22.5	J	0.23	2.1	mg/kg	J		J	*#	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7439-95-4	MAGNESIUM	3380		2.71	10.7	mg/kg					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7439-96-5	MANGANESE	206		0.0831	0.533	mg/kg					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7440-09-7	POTASSIUM	2480	J	19.2	53.3	mg/kg	J		J	Q	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7440-23-5	SODIUM	60.8	J	39.7	107	mg/kg	J	J	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7440-24-6	STRONTIUM	12.8		0.0661	0.533	mg/kg					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7440-31-5	TIN	10.7	U	1.07	10.7	mg/kg	U	J	U	B, Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7440-32-6	TITANIUM	868		0.405	1.07	mg/kg					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7440-42-8	BORON	3.88	J	0.948	5.33	mg/kg	J	J	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7440-67-7	Zirconium	5.33	U	0.895	5.33	mg/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7440-70-2	CALCIUM	2190		6.53	21.3	mg/kg					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6010B	12/30/2010	NA	3050B	DE042	8	1	7723-14-0	PHOSPHORUS	310	J	0.597	10.7	mg/kg	J		J	Q	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	1/4/2011	NA	3050B	DE042	8	2	7782-49-2	SELENIUM	0.0829	J	0.0418	0.418	mg/kg	J	J	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7439-98-7	MOLYBDENUM	0.497	J	0.0523	0.105	mg/kg	J		J	Q	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-39-3	BARIUM	95.9	J	0.113	0.418	mg/kg	J		J	E, *#	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7439-92-1	LEAD	12.2	J	0.0109	0.209	mg/kg	J		J	E, *#	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-02-0	NICKEL	11.1	J	0.105	0.418	mg/kg	J		J	E, Q, *#	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-22-4	SILVER	0.0561	J	0.0125	0.105	mg/kg	J	J	J	Q, Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-28-0	THALLIUM	0.284	J	0.0314	0.105	mg/kg	J		J	Q	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-36-0	ANTIMONY	0.209	UJ	0.0627	0.209	mg/kg	UJ	J	UJ	B, Q, Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-38-2	ARSENIC	4.71	J	0.0627	0.418	mg/kg	J		J	E, Q	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-41-7	BERYLLIUM	0.548	J	0.0167	0.105	mg/kg	J		J	E, Q	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-43-9	CADMIUM	0.311	J	0.0376	0.105	mg/kg	J		J	Q	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-47-3	CHROMIUM	19	J	0.125	0.418	mg/kg	J		J	E, Q, *#	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-48-4	COBALT	5.25	J	0.0209	0.105	mg/kg	J		J	Q, *#	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-50-8	COPPER	8.77	J	0.0690	0.418	mg/kg	J		J	E, Q, *#	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-62-2	VANADIUM	38.2	J	0.0230	0.105	mg/kg	J		J	E, Q, *#	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6020	12/30/2010	NA	3050B	DE042	8	2	7440-66-6	ZINC	96.5	J	0.585	3.14	mg/kg	J		J	E	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	6850	1/5/2011		METHOD	DE042	8	1	14797-73-0	PERCHLORATE	5.4	U	2.3	5.4	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	7199	1/18/2011		3060A	DE042	8	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.22	1.1	mg/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	7471A	12/23/2010	NA	METHOD	DE042	8	1	7439-97-6	MERCURY	0.0051	J	0.0030	0.105	mg/kg	J	J	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	1024-57-3	HEPTACHLOR EPOXIDE	0.18	U	0.074	0.18	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	1031-07-8	ENDOSULFAN SULFATE	0.37	U	0.072	0.37	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	2385-85-5	MIREX	0.37	U	0.33	0.37	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	309-00-2	ALDRIN	0.18	U	0.072	0.18	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	319-84-6	ALPHA-BHC	0.18	U	0.037	0.18	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	319-85-7	BETA-BHC	0.18	U	0.065	0.18	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	319-86-8	DELTA-BHC	0.075	J	0.039	0.18	ug/kg	J	J	J	S, Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	33213-65-9	ENDOSULFAN II	0.37	U	0.13	0.37	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	50-29-3	4,4'-DDT	1	U	1.0	1.0	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	53494-70-5	ENDRIN KETONE	0.37	U	0.072	0.37	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	57-74-9	Chlordane	3.7	U	3.0	3.7	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	58-89-9	gamma-BHC (Lindane)	0.18	U	0.037	0.18	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	60-57-1	DIELDRIN	0.37	U	0.072	0.37	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	72-20-8	ENDRIN	0.37	U	0.072	0.37	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	72-43-5	METHOXYCHLOR	1.8	U	0.58	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	72-54-8	4,4'-DDD	0.37	U	0.17	0.37	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	72-55-9	4,4'-DDE	0.41	U	0.41	0.41	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	7421-93-4	ENDRIN ALDEHYDE	0.37	U	0.072	0.37	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	76-44-8	HEPTACHLOR	0.18	U	0.065	0.18	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	8001-35-2	TOXAPHENE	7.2	U	2.4	7.2	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8081A	1/24/2011		3550B	DE042	8	1	959-98-8	ENDOSULFAN I	0.18	U	0.093	0.18	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	11096-82-5	AROCLOR 1260	10		0.72	3.7	ug/kg					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	11097-69-1	AROCLOR 1254	2.5	J	0.72	3.7	ug/kg	J	J	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	11100-14-4	Aroclor 1268	3.7	U	0.72	3.7	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	11104-28-2	AROCLOR 1221	3.7	U	1.1	3.7	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	11126-42-4	Aroclor 5460	6.6	J	2.2	7.2	ug/kg	J	J	J	L, Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	11141-16-5	AROCLOR 1232	3.7	U	1.1	3.7	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	12642-23-8	Aroclor 5442	7.2	UJ	2.2	7.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	12672-29-6	AROCLOR 1248	3.7	U	0.72	3.7	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	12674-11-2	AROCLOR 1016	3.7	U	0.72	3.7	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	37324-23-5	Aroclor 1262	3.7	U	0.72	3.7	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	53469-21-9	AROCLOR 1242	3.7	U	1.1	3.7	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8082	12/31/2010		3550B	DE042	8	2	63496-31-1	Aroclor 5432	7.2	UJ	2.2	7.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8151A	1/2/2011		3550B	DE042	8	1	120-36-5	DICHLOROPROP	1.8	U	0.87	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8151A	1/2/2011		3550B	DE042	8	1	1918-00-9	DICAMBA	0.57	J	0.43	1.3	ug/kg	J	J	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8151A	1/2/2011		3550B	DE042	8	1	75-99-0	DALAPON	9.8	U	4.8	9.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8151A	1/2/2011		3550B	DE042	8	1	88-85-7	DINOSEB	2.6	R	0.87	2.6	ug/kg	R	U	R	L	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8151A	1/2/2011		3550B	DE042	8	1	93-65-2	MCPP	540	U	540	540	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8151A	1/2/2011		3550B	DE042	8	1	93-72-1	2,4,5-TP (Silvex)	0.18	U	0.082	0.18	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8151A	1/2/2011		3550B	DE042	8	1	93-76-5	2,4,5-T	0.18	U	0.089	0.18	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8151A	1/2/2011		3550B	DE042	8	1	94-74-6	MCPA	310		83	270	ug/kg					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8151A	1/2/2011		3550B	DE042	8	1	94-75-7	2,4-D	3.9	U	1.3	3.9	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8151A	1/2/2011		3550B	DE042	8	1	94-82-6	2,4-DB	10	U	10	10	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	100-01-6	4-NITROANILINE	180	U	72	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	100-02-7	4-NITROPHENOL	540	U	180	540	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	100-51-6	BENZYL ALCOHOL	540	U	180	540	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	105-67-9	2,4-DIMETHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	106-44-5	4-METHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	106-46-7	1,4-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	106-47-8	4-CHLOROANILINE	180	U	72	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	108-68-9	3,5-Dimethylphenol	180	U	36	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	108-95-2	PHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	118-74-1	HEXACHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	120-82-1	1,2,4-TRICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	120-83-2	2,4-DICHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	121-14-2	2,4-DINITROTOLUENE	180	U	36	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	132-64-9	DIBENZOFURAN	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	51-28-5	2,4-DINITROPHENOL	2200	U	720	2200	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	540	U	180	540	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	541-73-1	1,3-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	59-50-7	4-CHLORO-3-METHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	606-20-2	2,6-DINITROTOLUENE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	62-53-3	ANILINE	540	U	180	540	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	65-85-0	BENZOIC ACID	540	U	180	540	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	67-72-1	HEXACHLOROETHANE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	180	U	36	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	540	U	180	540	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	78-59-1	ISOPHORONE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	86-30-6	N-NITROSODIPHENYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	86-74-8	CARBAZOLE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	87-68-3	HEXACHLOROBUTADIENE	180	U	72	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	87-86-5	PENTACHLOROPHENOL	540	U	180	540	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	88-06-2	2,4,6-TRICHLOROPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	88-74-4	2-NITROANILINE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	88-75-5	2-NITROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	91-58-7	2-CHLORONAPHTHALENE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	91-94-1	3,3'-DICHLOROBENZIDINE	360	U	110	360	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	92-87-5	BENZIDINE	3600	U	1300	3600	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	95-48-7	2-METHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	95-50-1	1,2-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	95-57-8	2-CHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	98-95-3	NITROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C	1/19/2011		3550B	DE042	8	1	99-09-2	3-NITROANILINE	180	U	36	180	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20	U	6.5	20	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	117-84-0	Di-n-octylphthalate	20	U	6.5	20	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	120-12-7	ANTHRACENE	1.8	U	0.36	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	129-00-0	PYRENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	131-11-3	Dimethylphthalate	20	U	6.5	20	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	191-24-2	BENZO(G,H,I)PERYLENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	205-99-2	BENZO(B)FLUORANTHENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	206-44-0	FLUORANTHENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	207-08-9	BENZO(K)FLUORANTHENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	208-96-8	ACENAPHTHYLENE	1.8	U	0.36	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	218-01-9	CHRYSENE	1.8	U	0.36	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	50-32-8	BENZO(A)PYRENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	56-55-3	BENZO(A)ANTHRACENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	62-75-9	N-NITROSODIMETHYLAMINE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	83-32-9	ACENAPHTHENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	84-66-2	Diethylphthalate	20	U	6.5	20	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	84-74-2	Di-n-butylphthalate	20	U	6.5	20	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	85-01-8	PHENANTHRENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	85-68-7	Butylbenzylphthalate	20	U	6.5	20	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	86-73-7	FLUORENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	90-12-0	1-METHYLNAPHTHALENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	91-20-3	NAPHTHALENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	8270C SIM	1/6/2011		3550B	DE042	8	1	91-57-6	2-METHYLNAPHTHALENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	9045M	12/20/2010		Gen Prep	DE042	8	1	pH	PH	6.84		0.0100	0.0100	pH unit					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167472	ASTM D1498	12/20/2010		Gen Prep	DE042	8	1	REDOX	Oxidation Reduction Potential	477		10.0	10.0	mv					MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	1746-01-6	2,3,7,8-TCDD	0.284	J	0.0353	1.09	ng/kg	J	JQ	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	19408-74-3	1,2,3,7,8,9-HXCDD	5.57		0.0609	5.43	ng/kg		B			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	3268-87-9	OCDD	2980		0.143	10.9	ng/kg		B			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	293		0.214	5.43	ng/kg		B			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	39001-02-0	OCDF	87.8		0.0850	10.9	ng/kg		B			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	39227-28-6	1,2,3,4,7,8-HxCDD	2.51	J	0.0601	5.43	ng/kg	J	JB	J	Z	MDL	PQL	6348282.945	1909366.906

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	40321-76-4	1,2,3,7,8-PECDD	1.07	J	0.0914	5.43	ng/kg	J	JB	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	51207-31-9	2,3,7,8-TCDF	0.492	J	0.0529	1.09	ng/kg	J	JBQ	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	4.32	J	0.210	5.43	ng/kg	J	JBQ	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	57117-31-4	2,3,4,7,8-PECDF	0.802	J	0.0286	5.43	ng/kg	J	JB	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	57117-41-6	1,2,3,7,8-PECDF	0.971	J	0.0286	5.43	ng/kg	J	JB	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	57117-44-9	1,2,3,6,7,8-HXCDF	1.4	J	0.0440	5.43	ng/kg	J	JB	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	57653-85-7	1,2,3,6,7,8-HXCDD	10.9		0.0630	5.43	ng/kg		B			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	60851-34-5	2,3,4,6,7,8-HXCDF	2.26	J	0.0448	5.43	ng/kg	J	JB	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	36.6		0.158	5.43	ng/kg		B			MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	70648-26-9	1,2,3,4,7,8-HXCDF	1.31	J	0.0466	5.43	ng/kg	J	JB	J	Z	MDL	PQL	6348282.945	1909366.906
SED-020-SIV-SD-0.0-0.5	12/16/2010	N	0	0.5	ft bgs	SE	SED		6167496	1613B	1/21/2011		METHOD	DX026	8	1	72918-21-9	1,2,3,7,8,9-HXCDF	0.322	J	0.0536	5.43	ng/kg	J	JB	J	Z	MDL	PQL	6348282.945	1909366.906
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	160.3M	12/22/2010		Gen Prep	DE040	5.1	1	MOIST	MOISTURE	5.1		0.50	0.50	%					MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	1746-01-6	2,3,7,8-TCDD	0.0453	J	0.0253	1.05	ng/kg	J	JQ	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.745	J	0.0356	5.27	ng/kg	J	JB	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	3268-87-9	OCDD	565		0.0753	10.5	ng/kg		B			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	54.5		0.0612	5.27	ng/kg		B			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	39001-02-0	OCDF	21		0.0573	10.5	ng/kg		B			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.391	J	0.0338	5.27	ng/kg	J	JBQ	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	40321-76-4	1,2,3,7,8-PECDD	0.17	J	0.0409	5.27	ng/kg	J	JQ	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	51207-31-9	2,3,7,8-TCDF	1.05	U	0.0267	1.05	ng/kg	U	JB	U	B, Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	0.816	J	0.0403	5.27	ng/kg	J	JB	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	57117-31-4	2,3,4,7,8-PECDF	5.27	U	0.0158	5.27	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	57117-41-6	1,2,3,7,8-PECDF	0.192	J	0.0148	5.27	ng/kg	J	JBQ	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.343	J	0.0248	5.27	ng/kg	J	JB	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	57653-85-7	1,2,3,6,7,8-HXCDD	2.24	J	0.0351	5.27	ng/kg	J	JB	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	60851-34-5	2,3,4,6,7,8-HXCDF	0.513	J	0.0278	5.27	ng/kg	J	JB	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	9.15		0.0222	5.27	ng/kg		B			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.27	U	0.0297	5.27	ng/kg	U	JB	U	B, Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166118	1613B	1/19/2011		METHOD	DX024	5.1	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.27	U	0.0387	5.27	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	300.0	1/12/2011		METHOD	DE040	5.1	1	16984-48-8	FLUORIDE	1.1	U	0.84	1.1	mg/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	314.0	1/7/2011		Gen Prep	DE040	5.1	1	14797-73-0	PERCHLORATE	31.6	U	9.5	31.6	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/30/2010	NA	3050B	DE040	5.1	1	7429-90-5	ALUMINUM	9560		5.20	20.7	mg/kg					MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/30/2010	NA	3050B	DE040	5.1	1	7439-89-6	IRON	16900	J	4.87	20.7	mg/kg	J		J	E	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/30/2010	NA	3050B	DE040	5.1	1	7440-09-7	POTASSIUM	2920	J	18.6	51.7	mg/kg	J		J	Q	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/30/2010	NA	3050B	DE040	5.1	1	7440-23-5	SODIUM	63.5	J	38.5	103	mg/kg	J	J	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/30/2010	NA	3050B	DE040	5.1	1	7440-32-6	TITANIUM	1130		0.393	1.03	mg/kg					MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/30/2010	NA	3050B	DE040	5.1	1	7440-42-8	BORON	3.56	J	0.919	5.17	mg/kg	J	J	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/29/2010	NA	3050B	DE040	5.1	1	7439-93-2	LITHIUM	19.8	J	0.23	2.1	mg/kg	J		J	E	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/29/2010	NA	3050B	DE040	5.1	1	7439-95-4	MAGNESIUM	3980	J	2.62	10.3	mg/kg	J		J	*#	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/29/2010	NA	3050B	DE040	5.1	1	7439-96-5	MANGANESE	239	J	0.0806	0.517	mg/kg	J		J	E	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/29/2010	NA	3050B	DE040	5.1	1	7440-24-6	STRONTIUM	7.16	J	0.0641	0.517	mg/kg	J		J	E	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/29/2010	NA	3050B	DE040	5.1	1	7440-31-5	TIN	10.3	U	1.03	10.3	mg/kg	U	J	U	B, Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/29/2010	NA	3050B	DE040	5.1	1	7440-67-7	Zirconium	5.17	U	0.868	5.17	mg/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/29/2010	NA	3050B	DE040	5.1	1	7440-70-2	CALCIUM	1820	J	6.33	20.7	mg/kg	J		J	*#	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6010B	12/29/2010	NA	3050B	DE040	5.1	1	7723-14-0	PHOSPHORUS	324	J	0.579	10.3	mg/kg	J		J	Q, E	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7782-49-2	SELENIUM	0.0924	J	0.0405	0.405	mg/kg	J	J	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7439-98-7	MOLYBDENUM	0.222		0.0507	0.101	mg/kg					MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-39-3	BARIUM	62.3	J	0.109	0.405	mg/kg	J		J	*#	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7439-92-1	LEAD	5.31	J	0.0105	0.203	mg/kg	J		J	Q, E, *#	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-02-0	NICKEL	6.99	J	0.101	0.405	mg/kg	J		J	E, *#	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-22-4	SILVER	0.017	J	0.0122	0.101	mg/kg	J	J	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-28-0	THALLIUM	0.156		0.0304	0.101	mg/kg					MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-36-0	ANTIMONY	0.203	UJ	0.0608	0.203	mg/kg	UJ	U	UJ	Q	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-38-2	ARSENIC	2.43	J	0.0608	0.405	mg/kg	J		J	Q	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-41-7	BERYLLIUM	0.274		0.0162	0.101	mg/kg					MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-43-9	CADMIUM	0.08	J	0.0365	0.101	mg/kg	J	J	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-47-3	CHROMIUM	12.5	J	0.122	0.405	mg/kg	J		J	E, Q, *#	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-48-4	COBALT	3.62	J	0.0203	0.101	mg/kg	J		J	*#	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-50-8	COPPER	4.44		0.0669	0.405	mg/kg					MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-62-2	VANADIUM	26.8	J	0.0223	0.101	mg/kg	J		J	Q, *#	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	6020	12/30/2010	NA	3050B	DE040	5.1	2	7440-66-6	ZINC	42.6	J	0.567	3.04	mg/kg	J		J	E, *#	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	7199	1/19/2011		3060A	DE040	5.1	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.21	1.1	mg/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	7471A	12/21/2010	NA	METHOD	DE040	5.1	1	7439-97-6	MERCURY	0.101	U	0.0029	0.101	mg/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	1024-57-3	HEPTACHLOR EPOXIDE	0.17	R	0.036	0.17	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	1031-07-8	ENDOSULFAN SULFATE	0.36	R	0.070	0.36	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	2385-85-5	MIREX	0.36	R	0.070	0.36	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	309-00-2	ALDRIN	0.17	R	0.070	0.17	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	319-84-6	ALPHA-BHC	0.17	R	0.036	0.17	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	319-85-7	BETA-BHC	0.17	R	0.16	0.17	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	319-86-8	DELTA-BHC	0.81	J	0.038	0.17	ug/kg	J		J	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	33213-65-9	ENDOSULFAN II	0.36	R	0.070	0.36	ug/kg	R	U	R	S, L	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	50-29-3	4,4'-DDT	0.62	J	0.070	0.36	ug/kg	J		J	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	53494-70-5	ENDRIN KETONE	0.36	R	0.070	0.36	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	57-74-9	Chlordane	3.6	R	0.84	3.6	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	58-89-9	gamma-BHC (Lindane)	1.3	J	0.036	0.17	ug/kg	J		J	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	60-57-1	DIELDRIN	0.36	R	0.070	0.36	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	72-20-8	ENDRIN	0.36	R	0.070	0.36	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	72-43-5	METHOXYCHLOR	1.7	R	0.36	1.7	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	72-54-8	4,4'-DDD	0.36	R	0.070	0.36	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	72-55-9	4,4'-DDE	0.18	J	0.070	0.36	ug/kg	J	J	J	S, Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	7421-93-4	ENDRIN ALDEHYDE	0.36	R	0.070	0.36	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	76-44-8	HEPTACHLOR	0.17	R	0.063	0.17	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	8001-35-2	TOXAPHENE	7	R	2.3	7.0	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8081A	1/13/2011		3550B	DE040	5.1	1	959-98-8	ENDOSULFAN I	0.17	R	0.046	0.17	ug/kg	R	U	R	S	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	11096-82-5	AROCLOR 1260	36	U	7.0	36	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	11097-69-1	AROCLOR 1254	36	U	7.0	36	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	11100-14-4	Aroclor 1268	36	U	7.0	36	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	11104-28-2	AROCLOR 1221	36	U	11	36	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	11126-42-4	Aroclor 5460	70	U	21	70	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	11141-16-5	AROCLOR 1232	36	U	11	36	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	12642-23-8	Aroclor 5442	70	U	21	70	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	12672-29-6	AROCLOR 1248	36	U	7.0	36	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	12674-11-2	AROCLOR 1016	36	U	7.0	36	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	37324-23-5	Aroclor 1262	36	U	7.0	36	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	53469-21-9	AROCLOR 1242	36	U	11	36	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8082	12/29/2010		3550B	DE040	5.1	20	63496-31-1	Aroclor 5432	70	U	21	70	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8151A	12/31/2010		3550B	DE040	5.1	1	120-36-5	DICHLOROPROP	1.8	U	0.84	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8151A	12/31/2010		3550B	DE040	5.1	1	1918-00-9	DICAMBA	1.3	U	0.42	1.3	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8151A	12/31/2010		3550B	DE040	5.1	1	75-99-0	DALAPON	9.5	U	4.6	9.5	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8151A	12/31/2010		3550B	DE040	5.1	1	88-85-7	DINOSEB	2.5	R	0.84	2.5	ug/kg	R	U	R	L	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8151A	12/31/2010		3550B	DE040	5.1	1	93-65-2	MCPP	370		79	260	ug/kg					MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8151A	12/31/2010		3550B	DE040	5.1	1	93-72-1	2,4,5-TP (Silvex)	0.18	U	0.079	0.18	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8151A	12/31/2010		3550B	DE040	5.1	1	93-76-5	2,4,5-T	0.18	U	0.18	0.18	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8151A	12/31/2010		3550B	DE040	5.1	1	94-74-6	MCPA	280	U	280	280	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8151A	12/31/2010		3550B	DE040	5.1	1	94-75-7	2,4-D	3.8	U	1.3	3.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8151A	12/31/2010		3550B	DE040	5.1	1	94-82-6	2,4-DB	4.7	U	4.7	4.7	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	100-01-6	4-NITROANILINE	180	U	70	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	100-02-7	4-NITROPHENOL	530	U	180	530	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	100-51-6	BENZYL ALCOHOL	530	U	180	530	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	105-67-9	2,4-DIMETHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	106-44-5	4-METHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	106-46-7	1,4-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	106-47-8	4-CHLOROANILINE	180	U	70	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	108-68-9	3,5-Dimethylphenol	180	U	35	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	108-95-2	PHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	19	J	18	350	ug/kg	J	J	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	118-74-1	HEXACHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	120-82-1	1,2,4-TRICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	120-83-2	2,4-DICHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	121-14-2	2,4-DINITROTOLUENE	180	U	35	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	132-64-9	DIBENZOFURAN	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	51-28-5	2,4-DINITROPHENOL	2100	U	700	2100	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	530	U	180	530	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	541-73-1	1,3-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	59-50-7	4-CHLORO-3-METHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	606-20-2	2,6-DINITROTOLUENE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	62-53-3	ANILINE	530	U	180	530	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	65-85-0	BENZOIC ACID	530	U	180	530	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	67-72-1	HEXACHLOROETHANE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	180	U	35	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	530	U	180	530	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	78-59-1	ISOPHORONE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	86-30-6	N-NITROSODIPHENYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	86-74-8	CARBAZOLE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	87-68-3	HEXACHLOROBUTADIENE	180	U	70	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	87-86-5	PENTACHLOROPHENOL	530	U	180	530	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	88-06-2	2,4,6-TRICHLOROPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	88-74-4	2-NITROANILINE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	88-75-5	2-NITROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	91-58-7	2-CHLORONAPHTHALENE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	91-94-1	3,3'-DICHLOROBENZIDINE	350	U	110	350	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	92-87-5	BENZIDINE	3500	U	1200	3500	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	95-48-7	2-METHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	95-50-1	1,2-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	95-57-8	2-CHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	98-95-3	NITROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C	1/16/2011		3550B	DE040	5.1	1	99-09-2	3-NITROANILINE	180	U	35	180	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	117-84-0	Di-n-octylphthalate	19	U	6.3	19	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	120-12-7	ANTHRACENE	1.8	U	0.35	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	129-00-0	PYRENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	131-11-3	Dimethylphthalate	19	U	6.3	19	ug/kg		U			MDL	PQL	6348258.621	1910011.414

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	191-24-2	BENZO(G,H,I)PERYLENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	205-99-2	BENZO(B)FLUORANTHENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	206-44-0	FLUORANTHENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	207-08-9	BENZO(K)FLUORANTHENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	208-96-8	ACENAPHTHYLENE	1.8	U	0.35	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	218-01-9	CHRYSENE	0.62	J	0.35	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	50-32-8	BENZO(A)PYRENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	56-55-3	BENZO(A)ANTHRACENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	62-75-9	N-NITROSODIMETHYLAMINE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	83-32-9	ACENAPHTHENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	84-66-2	Diethylphthalate	19	U	6.3	19	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	84-74-2	Di-n-butylphthalate	19	U	6.3	19	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	85-01-8	PHENANTHRENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	85-68-7	Butylbenzylphthalate	19	U	6.3	19	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	86-73-7	FLUORENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	90-12-0	1-METHYLNAPHTHALENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	91-20-3	NAPHTHALENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	8270C SIM	1/5/2011		3550B	DE040	5.1	1	91-57-6	2-METHYLNAPHTHALENE	1.8	U	0.70	1.8	ug/kg		U			MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	9045M	12/17/2010		Gen Prep	DE040	5.1	1	pH	PH	6.92		0.0100	0.0100	pH unit					MDL	PQL	6348258.621	1910011.414
SED-021-SIV-SD-0.0-0.5	12/15/2010	N	0	0.5	ft bgs	SE	SED		6166079	ASTM D1498	12/17/2010		Gen Prep	DE040	5.1	1	REDOX	Oxidation Reduction Potential	469		10.0	10.0	mv					MDL	PQL	6348258.621	1910011.414
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	160.3M	12/16/2010		Gen Prep	DX023	7.6	1	MOIST	MOISTURE	7.6		0.50	0.50	%					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	86-73-7	FLUORENE	1.8	UJ	0.72	1.8	ug/kg	UJ	U	UJ	L	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	90-12-0	1-METHYLNAPHTHALENE	1.4	J	0.72	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	91-20-3	NAPHTHALENE	2.6		0.72	1.8	ug/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	91-57-6	2-METHYLNAPHTHALENE	1.6	J	0.72	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	9045M	12/16/2010	NA	Gen Prep	DE039	7.6	1	pH	PH	7.07		0.0100	0.0100	pH unit					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	ASTM D1498	12/16/2010	NA	Gen Prep	DE039	7.6	1	REDOX	Oxidation Reduction Potential	453		10.0	10.0	mv					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	1746-01-6	2,3,7,8-TCDD	0.184	J	0.0335	1.08	ng/kg	J	JB	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	19408-74-3	1,2,3,7,8,9-HXCDD	1.93	J	0.0527	5.41	ng/kg	J	JB	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	3268-87-9	OCDD	1310		0.113	10.8	ng/kg		B			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	136		0.172	5.41	ng/kg		B			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	39001-02-0	OCDF	80.4		0.0560	10.8	ng/kg		B			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.986	J	0.0528	5.41	ng/kg	J	JB	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	40321-76-4	1,2,3,7,8-PECDD	0.532	J	0.0801	5.41	ng/kg	J	JB	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	51207-31-9	2,3,7,8-TCDF	0.473	J	0.0584	1.08	ng/kg	J	JB	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	2.68	J	0.0724	5.41	ng/kg	J	JB	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	57117-31-4	2,3,4,7,8-PECDF	0.792	J	0.0267	5.41	ng/kg	J	JB	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	57117-41-6	1,2,3,7,8-PECDF	0.657	J	0.0258	5.41	ng/kg	J	JB	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	57117-44-9	1,2,3,6,7,8-HXCDF	1.06	J	0.0385	5.41	ng/kg	J	JB	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	57653-85-7	1,2,3,6,7,8-HXCDD	5.6		0.0543	5.41	ng/kg		B			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	60851-34-5	2,3,4,6,7,8-HXCDF	1.35	J	0.0424	5.41	ng/kg	J	JB	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	29.1		0.0382	5.41	ng/kg		B			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.858	J	0.0446	5.41	ng/kg	J	JB	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164978	1613B	1/15/2011		METHOD	DX023	7.6	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.41	U	0.0553	5.41	ng/kg	U	JB	U	B, Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	160.3M	12/16/2010	NA	Gen Prep	DE039	7.6	1	MOIST	MOISTURE	7.6		0.50	0.50	%					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	300.0	1/8/2011	NA	METHOD	DE039	7.6	1	16984-48-8	FLUORIDE	1.1		0.87	1.1	mg/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	314.0	1/6/2011	NA	METHOD	DE039	7.6	1	14797-73-0	PERCHLORATE	32.5	U	9.7	32.5	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7429-90-5	ALUMINUM	10800		5.34	21.2	mg/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7439-89-6	IRON	19400		5.00	21.2	mg/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7439-93-2	LITHIUM	24.1	J	0.23	2.1	mg/kg	J		J	*#	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7439-95-4	MAGNESIUM	4750		2.70	10.6	mg/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7439-96-5	MANGANESE	293		0.0828	0.531	mg/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7440-09-7	POTASSIUM	3120	J	19.1	53.1	mg/kg	J		J	Q, *#	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7440-23-5	SODIUM	79.9	J	39.6	106	mg/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7440-24-6	STRONTIUM	16.3		0.0658	0.531	mg/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7440-31-5	TIN	10.6	U	1.06	10.6	mg/kg	U	J	U	B, Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7440-32-6	TITANIUM	1200		0.403	1.06	mg/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7440-42-8	BORON	4.54	J	0.944	5.31	mg/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7440-67-7	Zirconium	0.9	J	0.891	5.31	mg/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7440-70-2	CALCIUM	3690		6.50	21.2	mg/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6010B	12/22/2010	NA	3050B	DE039	7.6	1	7723-14-0	PHOSPHORUS	390	J	0.594	10.6	mg/kg	J		J	Q	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/28/2010	NA	3050B	DE039	7.6	2	7439-92-1	LEAD	10.5	J	0.0110	0.212	mg/kg	J		J	E, Q, *#	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7782-49-2	SELENIUM	0.184	J	0.0424	0.424	mg/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7439-98-7	MOLYBDENUM	0.611	J	0.0531	0.106	mg/kg	J		J	Q	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-39-3	BARIUM	110	J	0.115	0.424	mg/kg	J		J	E, *#	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-02-0	NICKEL	12.6	J	0.106	0.424	mg/kg	J		J	E, Q	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-22-4	SILVER	0.0842	J	0.0127	0.106	mg/kg	J	J	J	Q, Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-28-0	THALLIUM	0.377	J	0.0318	0.106	mg/kg	J		J	Q	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-36-0	ANTIMONY	0.246	U	0.0637	0.246	mg/kg	U		U	B	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-38-2	ARSENIC	5.23	J	0.0637	0.424	mg/kg	J		J	E, Q	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-41-7	BERYLLIUM	0.438	J	0.0170	0.106	mg/kg	J		J	Q	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-43-9	CADMIUM	0.358	UJ	0.0382	0.358	mg/kg	UJ		UJ	B, Q	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-47-3	CHROMIUM	22.4	J	0.127	0.424	mg/kg	J		J	E, Q	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-48-4	COBALT	8.04	J	0.0212	0.106	mg/kg	J		J	Q	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-50-8	COPPER	9.68	J	0.0700	0.424	mg/kg	J		J	E, Q	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-62-2	VANADIUM	44.8	J	0.0233	0.106	mg/kg	J		J	E, Q	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	6020	12/26/2010	NA	3050B	DE039	7.6	2	7440-66-6	ZINC	99	J	0.594	3.18	mg/kg	J		J	E, *#	MDL	PQL	6348181.673	1910240.482

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	7199	1/4/2011	NA	3060A	DE039	7.6	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.22	1.1	mg/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	7471A	12/20/2010	NA	METHOD	DE039	7.6	1	7439-97-6	MERCURY	0.022	J	0.0029	0.102	mg/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	1024-57-3	HEPTACHLOR EPOXIDE	1.8	U	0.37	1.8	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	1031-07-8	ENDOSULFAN SULFATE	3.7	U	0.71	3.7	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	2385-85-5	MIREX	3.7	U	0.71	3.7	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	309-00-2	ALDRIN	1.8	U	0.71	1.8	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	319-84-6	ALPHA-BHC	1.8	U	0.37	1.8	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	319-85-7	BETA-BHC	1.8	U	0.65	1.8	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	319-86-8	DELTA-BHC	2.6	J	0.39	1.8	ug/kg	J		J	*#	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	33213-65-9	ENDOSULFAN II	3.7	U	0.71	3.7	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	50-29-3	4,4'-DDT	1.6	J	0.71	3.7	ug/kg	J	J	J	Z, *#	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	53494-70-5	ENDRIN KETONE	3.7	U	0.71	3.7	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	57-74-9	Chlordane	37	U	8.7	37	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	58-89-9	gamma-BHC (Lindane)	2.7	J	0.37	1.8	ug/kg	J		J	*#	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	60-57-1	DIELDRIN	3.7	U	0.71	3.7	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	72-20-8	ENDRIN	3.7	U	0.71	3.7	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	72-43-5	METHOXYCHLOR	18	U	3.7	18	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	72-54-8	4,4'-DDD	3.7	U	0.71	3.7	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	72-55-9	4,4'-DDE	0.96	J	0.71	3.7	ug/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	7421-93-4	ENDRIN ALDEHYDE	1.8	J	0.71	3.7	ug/kg	J	J	J	Z, *#	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	76-44-8	HEPTACHLOR	1.8	U	0.65	1.8	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	8001-35-2	TOXAPHENE	71	U	24	71	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8081A	12/29/2010	NA	3550B	DE039	7.6	10	959-98-8	ENDOSULFAN I	1.8	U	0.48	1.8	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	11096-82-5	AROCLOR 1260	37	U	7.1	37	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	11097-69-1	AROCLOR 1254	37	U	7.1	37	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	11100-14-4	Aroclor 1268	37	U	7.1	37	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	11104-28-2	AROCLOR 1221	37	U	11	37	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	11126-42-4	Aroclor 5460	71	UJ	22	71	ug/kg	UJ	U	UJ	L	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	11141-16-5	AROCLOR 1232	37	U	11	37	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	12642-23-8	Aroclor 5442	71	UJ	22	71	ug/kg	UJ	U	UJ	L	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	12672-29-6	AROCLOR 1248	37	U	7.1	37	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	12674-11-2	AROCLOR 1016	37	U	7.1	37	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	37324-23-5	Aroclor 1262	37	U	7.1	37	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	53469-21-9	AROCLOR 1242	37	U	11	37	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8082	12/28/2010	NA	3550B	DE039	7.6	20	63496-31-1	Aroclor 5432	71	UJ	22	71	ug/kg	UJ	U	UJ	L	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8151A	1/5/2011	NA	3550B	DE039	7.6	1	93-72-1	2,4,5-TP (Silvex)	0.84	U	0.84	0.84	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8151A	12/29/2010	NA	3550B	DE039	7.6	1	120-36-5	DICHLOROPROP	1.8	U	0.87	1.8	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8151A	12/29/2010	NA	3550B	DE039	7.6	1	1918-00-9	DICAMBA	1.3	U	0.43	1.3	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8151A	12/29/2010	NA	3550B	DE039	7.6	1	75-99-0	DALAPON	9.7	UJ	4.8	9.7	ug/kg	UJ	U	UJ	C	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8151A	12/29/2010	NA	3550B	DE039	7.6	1	88-85-7	DINOSEB	2.6	R	0.87	2.6	ug/kg	R	U	R	L, C	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8151A	12/29/2010	NA	3550B	DE039	7.6	1	93-65-2	MCPP	270	U	81	270	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8151A	12/29/2010	NA	3550B	DE039	7.6	1	93-76-5	2,4,5-T	0.38	J	0.089	0.18	ug/kg	J		J	S, *#	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8151A	12/29/2010	NA	3550B	DE039	7.6	1	94-74-6	MCPA	1800	J	82	270	ug/kg	J		J	S, C	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8151A	12/29/2010	NA	3550B	DE039	7.6	1	94-75-7	2,4-D	3.9	U	1.3	3.9	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8151A	12/29/2010	NA	3550B	DE039	7.6	1	94-82-6	2,4-DB	14	U	14	14	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	100-01-6	4-NITROANILINE	180	U	72	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	100-02-7	4-NITROPHENOL	540	U	180	540	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	100-51-6	BENZYL ALCOHOL	540	U	180	540	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	105-67-9	2,4-DIMETHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	106-44-5	4-METHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	106-46-7	1,4-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	106-47-8	4-CHLOROANILINE	180	U	72	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	108-68-9	3,5-Dimethylphenol	180	U	36	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	108-95-2	PHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	118-74-1	HEXACHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	120-82-1	1,2,4-TRICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	120-83-2	2,4-DICHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	121-14-2	2,4-DINITROTOLUENE	180	U	36	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	132-64-9	DIBENZOFURAN	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	51-28-5	2,4-DINITROPHENOL	2200	U	720	2200	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	540	U	180	540	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	541-73-1	1,3-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	59-50-7	4-CHLORO-3-METHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	606-20-2	2,6-DINITROTOLUENE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	62-53-3	ANILINE	540	U	180	540	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	65-85-0	BENZOIC ACID	540	U	180	540	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	67-72-1	HEXACHLOROETHANE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	180	U	36	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	540	U	180	540	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	78-59-1	ISOPHORONE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	86-30-6	N-NITROSODIPHENYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	86-74-8	CARBAZOLE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	87-68-3	HEXACHLOROBUTADIENE	180	U	72	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	87-86-5	PENTACHLOROPHENOL	540	U	180	540	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	88-06-2	2,4,6-TRICHLOROPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	88-74-4	2-NITROANILINE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	88-75-5	2-NITROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	91-58-7	2-CHLORONAPHTHALENE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	91-94-1	3,3'-DICHLOROBENZIDINE	360	U	110	360	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	92-87-5	BENZIDINE	3600	U	1300	3600	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	95-48-7	2-METHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	95-50-1	1,2-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	95-57-8	2-CHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	98-95-3	NITROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C	1/14/2011	NA	3550B	DE039	7.6	1	99-09-2	3-NITROANILINE	180	U	36	180	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20		6.5	19	ug/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	117-84-0	Di-n-octylphthalate	19	U	6.5	19	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	120-12-7	ANTHRACENE	0.68	J	0.36	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	129-00-0	PYRENE	10		0.72	1.8	ug/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	131-11-3	Dimethylphthalate	19	U	6.5	19	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	191-24-2	BENZO(G,H,I)PERYLENE	1.2	J	0.72	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.1	J	0.72	1.8	ug/kg	J	J	J	L, Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	205-99-2	BENZO(B)FLUORANTHENE	4.7		0.72	1.8	ug/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	206-44-0	FLUORANTHENE	16	J	0.72	1.8	ug/kg	J		J	L	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	207-08-9	BENZO(K)FLUORANTHENE	2.1		0.72	1.8	ug/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	208-96-8	ACENAPHTHYLENE	0.72	J	0.36	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	218-01-9	CHRYSENE	5.6	J	0.36	1.8	ug/kg	J		J	L	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	50-32-8	BENZO(A)PYRENE	1.4	J	0.72	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.8	UJ	0.72	1.8	ug/kg	UJ	U	UJ	L	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	56-55-3	BENZO(A)ANTHRACENE	1.2	J	0.72	1.8	ug/kg	J	J	J	Z	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	62-75-9	N-NITROSODIMETHYLAMINE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	83-32-9	ACENAPHTHENE	1.8	U	0.72	1.8	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	84-66-2	Diethylphthalate	19	UJ	6.5	19	ug/kg	UJ	U	UJ	L	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	84-74-2	Di-n-butylphthalate	19	UJ	6.5	19	ug/kg	UJ	U	UJ	L	MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	85-01-8	PHENANTHRENE	16		0.72	1.8	ug/kg					MDL	PQL	6348181.673	1910240.482
SED-022-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164950	8270C SIM	1/4/2011	NA	3550B	DE039	7.6	1	85-68-7	Butylbenzylphthalate	19	U	6.5	19	ug/kg		U			MDL	PQL	6348181.673	1910240.482
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	160.3M	12/16/2010	NA	Gen Prep	DE039	10.8	1	MOIST	MOISTURE	10.8		0.50	0.50	%					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	300.0	1/8/2011	NA	METHOD	DE039	10.8	1	16984-48-8	FLUORIDE	1.1	U	0.90	1.1	mg/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	314.0	1/6/2011	NA	METHOD	DE039	10.8	1	14797-73-0	PERCHLORATE	33.6	U	10.1	33.6	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7429-90-5	ALUMINUM	10800		5.47	21.8	mg/kg					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7439-89-6	IRON	19900		5.13	21.8	mg/kg					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7439-93-2	LITHIUM	22.7	J	0.24	2.2	mg/kg	J		J	*#	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7439-95-4	MAGNESIUM	5070		2.76	10.9	mg/kg					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7439-96-5	MANGANESE	297		0.0849	0.544	mg/kg					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7440-09-7	POTASSIUM	3290	J	19.6	54.4	mg/kg	J		J	Q, *#	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7440-23-5	SODIUM	67.3	J	40.6	109	mg/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7440-24-6	STRONTIUM	15.5		0.0675	0.544	mg/kg					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7440-31-5	TIN	10.9	U	1.09	10.9	mg/kg	U	J	U	B, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7440-32-6	TITANIUM	1250		0.414	1.09	mg/kg					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7440-42-8	BORON	4.1	J	0.969	5.44	mg/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7440-67-7	Zirconium	1.16	J	0.914	5.44	mg/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7440-70-2	CALCIUM	4000		6.67	21.8	mg/kg					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6010B	12/22/2010	NA	3050B	DE039	10.8	1	7723-14-0	PHOSPHORUS	405	J	0.610	10.9	mg/kg	J		J	Q	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/28/2010	NA	3050B	DE039	10.8	2	7439-92-1	LEAD	14.2	J	0.0115	0.222	mg/kg	J		J	E, Q, *#	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7782-49-2	SELENIUM	0.313	J	0.0444	0.444	mg/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7439-98-7	MOLYBDENUM	0.678	J	0.0555	0.111	mg/kg	J		J	Q	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-39-3	BARIUM	122	J	0.120	0.444	mg/kg	J		J	E, *#	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-02-0	NICKEL	14	J	0.111	0.444	mg/kg	J		J	E, Q	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-22-4	SILVER	0.0467	J	0.0133	0.111	mg/kg	J	J	J	Q, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-28-0	THALLIUM	0.357	J	0.0333	0.111	mg/kg	J		J	Q	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-36-0	ANTIMONY	0.235	U	0.0666	0.235	mg/kg	U		U	B	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-38-2	ARSENIC	6.07	J	0.0666	0.444	mg/kg	J		J	E, Q	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-41-7	BERYLLIUM	0.472	J	0.0178	0.111	mg/kg	J		J	Q	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-43-9	CADMIUM	0.216	UJ	0.0400	0.216	mg/kg	UJ		UJ	B, Q	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-47-3	CHROMIUM	23.2	J	0.133	0.444	mg/kg	J		J	E, Q	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-48-4	COBALT	7.05	J	0.0222	0.111	mg/kg	J		J	Q	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-50-8	COPPER	10.5	J	0.0733	0.444	mg/kg	J		J	E, Q	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-62-2	VANADIUM	48.9	J	0.0244	0.111	mg/kg	J		J	E, Q	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	6020	12/26/2010	NA	3050B	DE039	10.8	2	7440-66-6	ZINC	93.4	J	0.622	3.33	mg/kg	J		J	E, *#	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	7199	1/4/2011	NA	3060A	DE039	10.8	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.22	1.1	mg/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	7471A	12/20/2010	NA	METHOD	DE039	10.8	1	7439-97-6	MERCURY	0.0082	J	0.0031	0.109	mg/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	1024-57-3	HEPTACHLOR EPOXIDE	0.93	U	0.19	0.93	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	1031-07-8	ENDOSULFAN SULFATE	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	2385-85-5	MIREX	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	309-00-2	ALDRIN	0.93	U	0.37	0.93	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	319-84-6	ALPHA-BHC	0.93	U	0.19	0.93	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	319-85-7	BETA-BHC	0.93	U	0.34	0.93	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	319-86-8	DELTA-BHC	0.26	J	0.20	0.93	ug/kg	J	J	J	Z, *#	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	33213-65-9	ENDOSULFAN II	1.9	U	0.40	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	50-29-3	4,4'-DDT	1.9	U	1.5	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	53494-70-5	ENDRIN KETONE	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	57-74-9	Chlordane	19	U	4.5	19	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	58-89-9	gamma-BHC (Lindane)	0.93	U	0.19	0.93	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	60-57-1	DIELDRIN	1.9	U	0.55	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	72-20-8	ENDRIN	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	72-43-5	METHOXYCHLOR	9.3	U	1.9	9.3	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	72-54-8	4,4'-DDD	1.9	U	0.43	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	72-55-9	4,4'-DDE	1.9	U	0.55	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	7421-93-4	ENDRIN ALDEHYDE	1.9	U	1.3	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	76-44-8	HEPTACHLOR	0.56	J	0.34	0.93	ug/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	8001-35-2	TOXAPHENE	37	U	12	37	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8081A	12/29/2010	NA	3550B	DE039	10.8	5	959-98-8	ENDOSULFAN I	0.93	U	0.25	0.93	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	11096-82-5	AROCLOR 1260	0.7	J	0.37	1.9	ug/kg	J	J	J	S, Z, *#	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	11097-69-1	AROCLOR 1254	1.4	J	0.37	1.9	ug/kg	J	J	J	S, Z, *#	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	11100-14-4	Aroclor 1268	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	11104-28-2	AROCLOR 1221	1.9	U	0.56	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	11126-42-4	Aroclor 5460	3.7	UJ	1.1	3.7	ug/kg	UJ	U	UJ	L	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	11141-16-5	AROCLOR 1232	1.9	U	0.58	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	12642-23-8	Aroclor 5442	3.7	UJ	1.1	3.7	ug/kg	UJ	U	UJ	L	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	12672-29-6	AROCLOR 1248	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	12674-11-2	AROCLOR 1016	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	37324-23-5	Aroclor 1262	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	53469-21-9	AROCLOR 1242	1.9	U	0.56	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8082	12/28/2010	NA	3550B	DE039	10.8	1	63496-31-1	Aroclor 5432	3.7	UJ	1.1	3.7	ug/kg	UJ	U	UJ	L	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8151A	1/5/2011	NA	3550B	DE039	10.8	1	93-72-1	2,4,5-TP (Silvex)	0.19	U	0.084	0.19	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8151A	12/29/2010	NA	3550B	DE039	10.8	1	120-36-5	DICHLOROPROP	1.9	U	0.90	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8151A	12/29/2010	NA	3550B	DE039	10.8	1	1918-00-9	DICAMBA	0.69	J	0.45	1.3	ug/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8151A	12/29/2010	NA	3550B	DE039	10.8	1	75-99-0	DALAPON	10	UJ	4.9	10	ug/kg	UJ	U	UJ	C	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8151A	12/29/2010	NA	3550B	DE039	10.8	1	88-85-7	DINOSEB	2.7	R	0.90	2.7	ug/kg	R	U	R	L, C	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8151A	12/29/2010	NA	3550B	DE039	10.8	1	93-65-2	MCPP	280	U	84	280	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8151A	12/29/2010	NA	3550B	DE039	10.8	1	93-76-5	2,4,5-T	0.19	U	0.092	0.19	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8151A	12/29/2010	NA	3550B	DE039	10.8	1	94-74-6	MCPA	280	UJ	85	280	ug/kg	UJ	U	UJ	C	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8151A	12/29/2010	NA	3550B	DE039	10.8	1	94-75-7	2,4-D	4	U	1.3	4.0	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8151A	12/29/2010	NA	3550B	DE039	10.8	1	94-82-6	2,4-DB	14		0.70	1.9	ug/kg					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	100-01-6	4-NITROANILINE	190	U	75	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	100-02-7	4-NITROPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	100-51-6	BENZYL ALCOHOL	560	U	190	560	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	106-44-5	4-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	106-47-8	4-CHLOROANILINE	190	U	75	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	108-68-9	3,5-Dimethylphenol	190	U	37	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	121-14-2	2,4-DINITROTOLUENE	190	U	37	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	51-28-5	2,4-DINITROPHENOL	2200	U	750	2200	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	62-53-3	ANILINE	560	U	190	560	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	65-85-0	BENZOIC ACID	560	U	190	560	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	37	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	560	U	190	560	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	86-74-8	CARBAZOLE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	87-68-3	HEXACHLOROBUTADIENE	190	U	75	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	87-86-5	PENTACHLOROPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	91-94-1	3,3'-DICHLOROBENZIDINE	370	U	110	370	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	92-87-5	BENZIDINE	3700	U	1300	3700	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	95-48-7	2-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C	1/14/2011	NA	3550B	DE039	10.8	1	99-09-2	3-NITROANILINE	190	U	37	190	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	8.4	J	6.7	20	ug/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	117-84-0	Di-n-octylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	120-12-7	ANTHRACENE	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	129-00-0	PYRENE	1.1	J	0.75	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	131-11-3	Dimethylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	191-24-2	BENZO(G,H,I)PERYLENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.9	UJ	0.75	1.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	205-99-2	BENZO(B)FLUORANTHENE	1.3	J	0.75	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	206-44-0	FLUORANTHENE	1.1	J	0.75	1.9	ug/kg	J	J	J	L, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	218-01-9	CHRYSENE	1.4	J	0.37	1.9	ug/kg	J	J	J	L, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	50-32-8	BENZO(A)PYRENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	UJ	0.75	1.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	56-55-3	BENZO(A)ANTHRACENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	83-32-9	ACENAPHTHENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	84-66-2	Diethylphthalate	20	UJ	6.7	20	ug/kg	UJ	U	UJ	L	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	84-74-2	Di-n-butylphthalate	20	UJ	6.7	20	ug/kg	UJ	U	UJ	L	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	85-01-8	PHENANTHRENE	1.6	J	0.75	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	85-68-7	Butylbenzylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	86-73-7	FLUORENE	1.9	UJ	0.75	1.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	90-12-0	1-METHYLNAPHTHALENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	91-20-3	NAPHTHALENE	1.6	J	0.75	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	8270C SIM	1/4/2011	NA	3550B	DE039	10.8	1	91-57-6	2-METHYLNAPHTHALENE	1.9	U	0.75	1.9	ug/kg		U			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	9045M	12/16/2010	NA	Gen Prep	DE039	10.8	1	pH	PH	7.02		0.0100	0.0100	pH unit					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164949	ASTM D1498	12/16/2010	NA	Gen Prep	DE039	10.8	1	REDOX	Oxidation Reduction Potential	444		10.0	10.0	mv					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	160.3M	12/16/2010		Gen Prep	DX023	10.8	1	MOIST	MOISTURE	10.8		0.50	0.50	%					MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	39227-28-6	1,2,3,4,7,8-HxCDD	5.61	U	0.0243	5.61	ng/kg	U	JB	U	B, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	40321-76-4	1,2,3,7,8-PECDD	5.61	U	0.0496	5.61	ng/kg	U	JB	U	B, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	51207-31-9	2,3,7,8-TCDF	0.366	J	0.0478	1.12	ng/kg	J	JBQ	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.61	U	0.0270	5.61	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	57117-31-4	2,3,4,7,8-PECDF	0.57	J	0.0187	5.61	ng/kg	J	JB	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	57117-41-6	1,2,3,7,8-PECDF	0.307	J	0.0185	5.61	ng/kg	J	JBQ	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.61	U	0.0149	5.61	ng/kg	U	JB	U	B, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.421	J	0.0252	5.61	ng/kg	J	JB	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	60851-34-5	2,3,4,6,7,8-HXCDF	5.61	U	0.0169	5.61	ng/kg	U	JB	U	B, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	0.994	J	0.0165	5.61	ng/kg	J	JB	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.61	U	0.0177	5.61	ng/kg	U	JB	U	B, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.61	U	0.0192	5.61	ng/kg	U	JB	U	B, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	1746-01-6	2,3,7,8-TCDD	1.12	U	0.0315	1.12	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.391	J	0.0233	5.61	ng/kg	J	JB	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	3268-87-9	OCDD	29.8		0.0323	11.2	ng/kg		B			MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	5.1	J	0.0324	5.61	ng/kg	J	JB	J	Z	MDL	PQL	6348246.091	1910319.009
SED-023-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164977	1613B	1/15/2011		METHOD	DX023	10.8	1	39001-02-0	OCDF	11.2	U	0.0288	11.2	ng/kg	U	JB	U	B, Z	MDL	PQL	6348246.091	1910319.009
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	160.3M	12/16/2010		Gen Prep	DX023	12.8	1	MOIST	MOISTURE	12.8		0.50	0.50	%					MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	1746-01-6	2,3,7,8-TCDD	1.15	U	0.0249	1.15	ng/kg	U	JB	U	B, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.43	J	0.0267	5.73	ng/kg	J	JB	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	3268-87-9	OCDD	32		0.0354	11.5	ng/kg		B			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	5	J	0.0328	5.73	ng/kg	J	JB	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	39001-02-0	OCDF	2.24	J	0.0292	11.5	ng/kg	J	JB	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	39227-28-6	1,2,3,4,7,8-HxCDD	5.73	U	0.0253	5.73	ng/kg	U	JB	U	B, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	40321-76-4	1,2,3,7,8-PECDD	5.73	U	0.0529	5.73	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	51207-31-9	2,3,7,8-TCDF	0.324	J	0.0493	1.15	ng/kg	J	JB	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.73	U	0.0294	5.73	ng/kg	U	JB	U	B, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	57117-31-4	2,3,4,7,8-PECDF	0.583	J	0.0243	5.73	ng/kg	J	JB	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	57117-41-6	1,2,3,7,8-PECDF	0.275	J	0.0205	5.73	ng/kg	J	JB	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.73	U	0.0143	5.73	ng/kg	U	JB	U	B, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.441	J	0.0267	5.73	ng/kg	J	JB	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	60851-34-5	2,3,4,6,7,8-HXCDF	5.73	U	0.0158	5.73	ng/kg	U	JB	U	B, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	1.22	J	0.0167	5.73	ng/kg	J	JB	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.73	U	0.0170	5.73	ng/kg	U	JB	U	B, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164976	1613B	1/15/2011		METHOD	DX023	12.8	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.73	U	0.0208	5.73	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	160.3M	12/16/2010	NA	Gen Prep	DE039	12.8	1	MOIST	MOISTURE	12.8		0.50	0.50	%					MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	300.0	1/8/2011	NA	METHOD	DE039	12.8	1	16984-48-8	FLUORIDE	1.3		0.92	1.1	mg/kg					MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	314.0	1/6/2011	NA	METHOD	DE039	12.8	1	14797-73-0	PERCHLORATE	34.4	U	10.3	34.4	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7429-90-5	ALUMINUM	11500		5.66	22.5	mg/kg					MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7439-89-6	IRON	22600		5.30	22.5	mg/kg					MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7439-93-2	LITHIUM	24.5	J	0.25	2.2	mg/kg	J		J	*#	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7439-95-4	MAGNESIUM	5470		2.86	11.2	mg/kg					MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7439-96-5	MANGANESE	309		0.0877	0.562	mg/kg					MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7440-09-7	POTASSIUM	3150	J	20.2	56.2	mg/kg	J		J	Q, *#	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7440-23-5	SODIUM	68.9	J	41.9	112	mg/kg	J	J	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7440-24-6	STRONTIUM	15.2		0.0697	0.562	mg/kg					MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7440-31-5	TIN	11.2	U	1.12	11.2	mg/kg	U	J	U	B, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7440-32-6	TITANIUM	1350		0.427	1.12	mg/kg					MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7440-42-8	BORON	3.73	J	1.00	5.62	mg/kg	J	J	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7440-67-7	Zirconium	1.51	J	0.944	5.62	mg/kg	J	J	J	Z	MDL	PQL	6348466.72	1910199.056

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7440-70-2	CALCIUM	3960		6.89	22.5	mg/kg					MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6010B	12/22/2010	NA	3050B	DE039	12.8	1	7723-14-0	PHOSPHORUS	434	J	0.630	11.2	mg/kg	J		J	Q	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7782-49-2	SELENIUM	0.206	J	0.0445	0.445	mg/kg	J	J	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7439-98-7	MOLYBDENUM	0.57	J	0.0557	0.111	mg/kg	J		J	Q	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-39-3	BARIUM	99.6	J	0.120	0.445	mg/kg	J		J	E, *#	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7439-92-1	LEAD	16.7	J	0.0116	0.223	mg/kg	J		J	E, Q, *#	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-02-0	NICKEL	14.2	J	0.111	0.445	mg/kg	J		J	E, Q	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-22-4	SILVER	0.06	J	0.0134	0.111	mg/kg	J	J	J	Q, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-28-0	THALLIUM	0.3	J	0.0334	0.111	mg/kg	J		J	Q	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-36-0	ANTIMONY	0.223	U	0.0668	0.223	mg/kg	U	J	U	B, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-38-2	ARSENIC	4.96	J	0.0668	0.445	mg/kg	J		J	E, Q	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-41-7	BERYLLIUM	0.455	J	0.0178	0.111	mg/kg	J		J	Q	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-43-9	CADMIUM	0.251	UJ	0.0401	0.251	mg/kg	UJ		UJ	B, Q	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-47-3	CHROMIUM	21.8	J	0.134	0.445	mg/kg	J		J	E, Q	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-48-4	COBALT	7.26	J	0.0223	0.111	mg/kg	J		J	Q	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-50-8	COPPER	10.3	J	0.0735	0.445	mg/kg	J		J	E, Q	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-62-2	VANADIUM	48.1	J	0.0245	0.111	mg/kg	J		J	E, Q	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6020	12/26/2010	NA	3050B	DE039	12.8	2	7440-66-6	ZINC	82.8	J	0.623	3.34	mg/kg	J		J	E, *#	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	6850	12/21/2010	NA	METHOD	DE039	12.8	1	14797-73-0	PERCHLORATE	5.7	U	2.4	5.7	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	7199	1/4/2011	NA	3060A	DE039	12.8	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.23	1.1	mg/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	7471A	12/20/2010	NA	METHOD	DE039	12.8	1	7439-97-6	MERCURY	0.0121	J	0.0033	0.114	mg/kg	J	J	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	1024-57-3	HEPTACHLOR EPOXIDE	0.95	U	0.62	0.95	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	1031-07-8	ENDOSULFAN SULFATE	1.9	U	0.94	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	2385-85-5	MIREX	2.5	U	2.5	2.5	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	309-00-2	ALDRIN	0.95	U	0.38	0.95	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	319-84-6	ALPHA-BHC	0.95	U	0.19	0.95	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	319-85-7	BETA-BHC	0.95	U	0.34	0.95	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	319-86-8	DELTA-BHC	0.93	J	0.21	0.95	ug/kg	J	J	J	Z, *#	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	33213-65-9	ENDOSULFAN II	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	50-29-3	4,4'-DDT	1.9	U	1.9	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	53494-70-5	ENDRIN KETONE	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	57-74-9	Chlordane	19	U	4.6	19	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	58-89-9	gamma-BHC (Lindane)	0.95	U	0.19	0.95	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	60-57-1	DIELDRIN	1.9	U	0.65	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	72-20-8	ENDRIN	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	72-43-5	METHOXYCHLOR	9.5	U	3.1	9.5	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	72-54-8	4,4'-DDD	1.9	U	0.64	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	72-55-9	4,4'-DDE	1.9	U	0.68	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	7421-93-4	ENDRIN ALDEHYDE	1.9	U	0.99	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	76-44-8	HEPTACHLOR	0.39	J	0.34	0.95	ug/kg	J	J	J	Z, *#	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	8001-35-2	TOXAPHENE	38	U	13	38	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8081A	12/29/2010	NA	3550B	DE039	12.8	5	959-98-8	ENDOSULFAN I	0.95	U	0.25	0.95	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	11096-82-5	AROCLOR 1260	1.5	J	0.38	1.9	ug/kg	J	J	J	S, Z, *#	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	11097-69-1	AROCLOR 1254	2.4	J	0.38	1.9	ug/kg	J		J	S, *#	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	11100-14-4	Aroclor 1268	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	11104-28-2	AROCLOR 1221	1.9	U	0.57	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	11126-42-4	Aroclor 5460	3.1	J	1.1	3.8	ug/kg	J	J	J	S, L, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	11141-16-5	AROCLOR 1232	1.9	U	0.60	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	12642-23-8	Aroclor 5442	3.8	UJ	1.1	3.8	ug/kg	UJ	U	UJ	L	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	12672-29-6	AROCLOR 1248	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	12674-11-2	AROCLOR 1016	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	37324-23-5	Aroclor 1262	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	53469-21-9	AROCLOR 1242	1.9	U	0.57	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8082	12/28/2010	NA	3550B	DE039	12.8	1	63496-31-1	Aroclor 5432	3.8	UJ	1.1	3.8	ug/kg	UJ	U	UJ	L	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8151A	1/5/2011	NA	3550B	DE039	12.8	1	93-72-1	2,4,5-TP (Silvex)	0.19	U	0.086	0.19	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8151A	12/29/2010	NA	3550B	DE039	12.8	1	120-36-5	DICHLOROPROP	1.9	U	0.92	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8151A	12/29/2010	NA	3550B	DE039	12.8	1	1918-00-9	DICAMBA	1	J	0.46	1.4	ug/kg	J	J	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8151A	12/29/2010	NA	3550B	DE039	12.8	1	75-99-0	DALAPON	10	UJ	5.0	10	ug/kg	UJ	U	UJ	C	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8151A	12/29/2010	NA	3550B	DE039	12.8	1	88-85-7	DINOSEB	2.8	R	0.92	2.8	ug/kg	R	U	R	L, C	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8151A	12/29/2010	NA	3550B	DE039	12.8	1	93-65-2	MCPP	290	U	86	290	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8151A	12/29/2010	NA	3550B	DE039	12.8	1	93-76-5	2,4,5-T	0.19	U	0.094	0.19	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8151A	12/29/2010	NA	3550B	DE039	12.8	1	94-74-6	MCPA	290	UJ	87	290	ug/kg	UJ	U	UJ	C	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8151A	12/29/2010	NA	3550B	DE039	12.8	1	94-75-7	2,4-D	4.1	U	1.4	4.1	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8151A	12/29/2010	NA	3550B	DE039	12.8	1	94-82-6	2,4-DB	11	U	11	11	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	100-01-6	4-NITROANILINE	190	U	76	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	100-02-7	4-NITROPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	100-51-6	BENZYL ALCOHOL	570	U	190	570	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	106-44-5	4-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	106-47-8	4-CHLOROANILINE	190	U	76	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	108-68-9	3,5-Dimethylphenol	190	U	38	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	121-14-2	2,4-DINITROTOLUENE	190	U	38	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	51-28-5	2,4-DINITROPHENOL	2300	U	760	2300	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	62-53-3	ANILINE	570	U	190	570	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	65-85-0	BENZOIC ACID	570	U	190	570	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	38	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	570	U	190	570	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	86-74-8	CARBAZOLE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	87-68-3	HEXACHLOROBUTADIENE	190	U	76	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	87-86-5	PENTACHLOROPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	91-94-1	3,3'-DICHLOROBENZIDINE	380	U	110	380	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	92-87-5	BENZIDINE	3800	U	1300	3800	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	95-48-7	2-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C	1/14/2011	NA	3550B	DE039	12.8	1	99-09-2	3-NITROANILINE	190	U	38	190	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	J	6.9	21	ug/kg	J	J	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	117-84-0	Di-n-octylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	120-12-7	ANTHRACENE	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	129-00-0	PYRENE	0.95	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	131-11-3	Dimethylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	191-24-2	BENZO(G,H,I)PERYLENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.9	UJ	0.76	1.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	205-99-2	BENZO(B)FLUORANTHENE	1	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	206-44-0	FLUORANTHENE	1.2	J	0.76	1.9	ug/kg	J	J	J	L, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	218-01-9	CHRYSENE	1.1	J	0.38	1.9	ug/kg	J	J	J	L, Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	50-32-8	BENZO(A)PYRENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	UJ	0.76	1.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	56-55-3	BENZO(A)ANTHRACENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	83-32-9	ACENAPHTHENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	84-66-2	Diethylphthalate	21	UJ	6.9	21	ug/kg	UJ	U	UJ	L	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	84-74-2	Di-n-butylphthalate	21	UJ	6.9	21	ug/kg	UJ	U	UJ	L	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	85-01-8	PHENANTHRENE	1.5	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	85-68-7	Butylbenzylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	86-73-7	FLUORENE	1.9	UJ	0.76	1.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	90-12-0	1-METHYLNAPHTHALENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	91-20-3	NAPHTHALENE	1.5	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	8270C SIM	1/4/2011	NA	3550B	DE039	12.8	1	91-57-6	2-METHYLNAPHTHALENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	9045M	12/16/2010	NA	Gen Prep	DE039	12.8	1	pH	PH	6.78		0.0100	0.0100	pH unit					MDL	PQL	6348466.72	1910199.056
SED-024-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164948	ASTM D1498	12/16/2010	NA	Gen Prep	DE039	12.8	1	REDOX	Oxidation Reduction Potential	463		10.0	10.0	mv					MDL	PQL	6348466.72	1910199.056
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	160.3M	12/21/2010		Gen Prep	DX022	10.4	1	MOIST	MOISTURE	10.4		0.50	0.50	%					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	1746-01-6	2,3,7,8-TCDD	1.12	U	0.0310	1.12	ng/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	19408-74-3	1,2,3,7,8,9-HXCDD	5.58	U	0.0328	5.58	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	3268-87-9	OCDD	31.4		0.0445	11.2	ng/kg		B			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	4.55	J	0.0404	5.58	ng/kg	J	JB	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	39001-02-0	OCDF	11.2	U	0.0372	11.2	ng/kg	U	JB	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	39227-28-6	1,2,3,4,7,8-HxCDD	5.58	U	0.0309	5.58	ng/kg	U	JB	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	40321-76-4	1,2,3,7,8-PECDD	5.58	U	0.0435	5.58	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	51207-31-9	2,3,7,8-TCDF	1.12	U	0.0598	1.12	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.58	U	0.0444	5.58	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	57117-31-4	2,3,4,7,8-PECDF	5.58	U	0.0227	5.58	ng/kg	U	JB	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	57117-41-6	1,2,3,7,8-PECDF	5.58	U	0.0230	5.58	ng/kg	U	JB	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.58	U	0.0244	5.58	ng/kg	U	JB	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	57653-85-7	1,2,3,6,7,8-HXCDD	5.58	U	0.0326	5.58	ng/kg	U	JB	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	60851-34-5	2,3,4,6,7,8-HXCDF	5.58	U	0.0262	5.58	ng/kg	U	JB	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	5.58	U	0.0290	5.58	ng/kg	U	JB	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.58	U	0.0273	5.58	ng/kg	U	JB	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164665	1613B	1/19/2011		METHOD	DX022	10.4	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.58	U	0.0310	5.58	ng/kg	U	JB	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	300.0	1/11/2011		METHOD	DE038	10.4	1	16984-48-8	FLUORIDE	1.5		0.89	1.1	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	314.0	1/3/2011		METHOD	DE038	10.4	1	14797-73-0	PERCHLORATE	33.5	U	10.0	33.5	ug/kg		U			MDL	PQL	6348902.219	1909883.259

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/29/2010	NA	3050B	DE038	10.4	1	7439-93-2	LITHIUM	22.2		0.24	2.2	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/29/2010	NA	3050B	DE038	10.4	1	7439-95-4	MAGNESIUM	5230	J	2.75	10.8	mg/kg	J		J	E	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/29/2010	NA	3050B	DE038	10.4	1	7440-09-7	POTASSIUM	3320	J	19.5	54.2	mg/kg	J		J	E	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/29/2010	NA	3050B	DE038	10.4	1	7440-23-5	SODIUM	67.1	J	40.4	108	mg/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/29/2010	NA	3050B	DE038	10.4	1	7440-67-7	Zirconium	1.29	J	0.910	5.42	mg/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/29/2010	NA	3050B	DE038	10.4	1	7440-70-2	CALCIUM	3940	J	6.64	21.7	mg/kg	J		J	E	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/24/2010	NA	3050B	DE038	10.4	1	7429-90-5	ALUMINUM	11900		5.45	21.7	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/24/2010	NA	3050B	DE038	10.4	1	7439-89-6	IRON	19900		5.10	21.7	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/24/2010	NA	3050B	DE038	10.4	1	7439-96-5	MANGANESE	311	J	0.0845	0.542	mg/kg	J		J	Q	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/24/2010	NA	3050B	DE038	10.4	1	7440-24-6	STRONTIUM	17.9		0.0672	0.542	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/24/2010	NA	3050B	DE038	10.4	1	7440-31-5	TIN	10.8	U	1.08	10.8	mg/kg	U	J	U	B, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/24/2010	NA	3050B	DE038	10.4	1	7440-32-6	TITANIUM	1250	J	0.412	1.08	mg/kg	J		J	E, Q	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/24/2010	NA	3050B	DE038	10.4	1	7440-42-8	BORON	9.33		0.964	5.42	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6010B	12/24/2010	NA	3050B	DE038	10.4	1	7723-14-0	PHOSPHORUS	470		0.607	10.8	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/31/2010	NA	3050B	DE038	10.4	2	7440-43-9	CADMIUM	0.202		0.0394	0.109	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7782-49-2	SELENIUM	0.16	J	0.0438	0.438	mg/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7439-98-7	MOLYBDENUM	0.508		0.0547	0.109	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-39-3	BARIUM	118	J	0.118	0.438	mg/kg	J		J	*#	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7439-92-1	LEAD	14		0.0114	0.219	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-02-0	NICKEL	15.3		0.109	0.438	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-22-4	SILVER	0.04	J	0.0131	0.109	mg/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-28-0	THALLIUM	0.24		0.0328	0.109	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-36-0	ANTIMONY	0.136	J	0.0657	0.219	mg/kg	J	J	J	Q, Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-38-2	ARSENIC	4.21	J	0.0657	0.438	mg/kg	J		J	Q	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-41-7	BERYLLIUM	0.488		0.0175	0.109	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-47-3	CHROMIUM	24.1		0.131	0.438	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-48-4	COBALT	6.33	J	0.0219	0.109	mg/kg	J		J	*#	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-50-8	COPPER	10.6		0.0722	0.438	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-62-2	VANADIUM	47	J	0.0241	0.109	mg/kg	J		J	Q, *#	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	6020	12/28/2010	NA	3050B	DE038	10.4	2	7440-66-6	ZINC	70.5		0.613	3.28	mg/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	7199	1/2/2011		3060A	DE038	10.4	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.22	1.1	mg/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	7471A	12/20/2010	NA	METHOD	DE038	10.4	1	7439-97-6	MERCURY	0.0102	J	0.0031	0.110	mg/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	1024-57-3	HEPTACHLOR EPOXIDE	0.19	U	0.10	0.19	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	1031-07-8	ENDOSULFAN SULFATE	0.38	U	0.074	0.38	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	2385-85-5	MIREX	0.6	U	0.60	0.60	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	309-00-2	ALDRIN	0.19	U	0.16	0.19	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	319-84-6	ALPHA-BHC	0.19	U	0.038	0.19	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	319-85-7	BETA-BHC	0.19	U	0.067	0.19	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	319-86-8	DELTA-BHC	0.22		0.040	0.19	ug/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	33213-65-9	ENDOSULFAN II	0.66	U	0.66	0.66	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	50-29-3	4,4'-DDT	2.1	U	2.1	2.1	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	53494-70-5	ENDRIN KETONE	0.38	U	0.074	0.38	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	57-74-9	Chlordane	3.8	U	0.89	3.8	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	58-89-9	gamma-BHC (Lindane)	0.19	U	0.038	0.19	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	60-57-1	DIELDRIN	0.33	U	0.33	0.33	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	72-20-8	ENDRIN	0.38	U	0.074	0.38	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	72-43-5	METHOXYCHLOR	1.9	U	1.1	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	72-54-8	4,4'-DDD	1.5	U	1.5	1.5	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	72-55-9	4,4'-DDE	1.3	U	1.3	1.3	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	7421-93-4	ENDRIN ALDEHYDE	0.75	U	0.75	0.75	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	76-44-8	HEPTACHLOR	0.19	U	0.18	0.19	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	8001-35-2	TOXAPHENE	7.4	U	2.5	7.4	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8081A	1/11/2011		3550B	DE038	10.4	1	959-98-8	ENDOSULFAN I	0.19	U	0.18	0.19	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	11096-82-5	AROCLOR 1260	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	11097-69-1	AROCLOR 1254	1.2	J	0.37	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	11100-14-4	Aroclor 1268	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	11104-28-2	AROCLOR 1221	1.9	U	0.56	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	11126-42-4	Aroclor 5460	3.7	UJ	1.1	3.7	ug/kg	UJ	U	UJ	L	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	11141-16-5	AROCLOR 1232	1.9	U	0.58	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	12642-23-8	Aroclor 5442	3.7	UJ	1.1	3.7	ug/kg	UJ	U	UJ	L	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	12672-29-6	AROCLOR 1248	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	12674-11-2	AROCLOR 1016	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	37324-23-5	Aroclor 1262	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	53469-21-9	AROCLOR 1242	1.9	U	0.56	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8082	12/29/2010		3550B	DE038	10.4	1	63496-31-1	Aroclor 5432	3.7	UJ	1.1	3.7	ug/kg	UJ	U	UJ	L	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8151A	1/7/2011		3550B	DE038	10.4	1	120-36-5	DICHLOROPROP	1.9	U	0.89	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8151A	1/7/2011		3550B	DE038	10.4	1	1918-00-9	DICAMBA	1.3	U	0.45	1.3	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8151A	1/7/2011		3550B	DE038	10.4	1	75-99-0	DALAPON	10	U	4.9	10	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8151A	1/7/2011		3550B	DE038	10.4	1	88-85-7	DINOSEB	2.7	R	0.89	2.7	ug/kg	R	U	R	L	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8151A	1/7/2011		3550B	DE038	10.4	1	93-65-2	MCPP	280	U	84	280	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8151A	1/7/2011		3550B	DE038	10.4	1	93-72-1	2,4,5-TP (Silvex)	0.19	U	0.084	0.19	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8151A	1/7/2011		3550B	DE038	10.4	1	93-76-5	2,4,5-T	0.19	U	0.092	0.19	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8151A	1/7/2011		3550B	DE038	10.4	1	94-74-6	MCPA	700		85	280	ug/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8151A	1/7/2011		3550B	DE038	10.4	1	94-75-7	2,4-D	1.4	J	1.3	4.0	ug/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8151A	1/7/2011		3550B	DE038	10.4	1	94-82-6	2,4-DB	9.2	U	9.2	9.2	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	100-01-6	4-NITROANILINE	190	U	74	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	100-02-7	4-NITROPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	100-51-6	BENZYL ALCOHOL	560	U	190	560	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	106-44-5	4-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	106-47-8	4-CHLOROANILINE	190	U	74	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	108-68-9	3,5-Dimethylphenol	190	U	37	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	370	U	19	370	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	121-14-2	2,4-DINITROTOLUENE	190	U	37	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	51-28-5	2,4-DINITROPHENOL	2200	U	740	2200	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	62-53-3	ANILINE	560	U	190	560	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	65-85-0	BENZOIC ACID	560	U	190	560	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	37	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	560	U	190	560	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	86-74-8	CARBAZOLE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	87-68-3	HEXACHLOROBUTADIENE	190	U	74	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	87-86-5	PENTACHLOROPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	91-94-1	3,3'-DICHLOROBENZIDINE	370	U	110	370	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	92-87-5	BENZIDINE	3700	U	1300	3700	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	95-48-7	2-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C	1/15/2011		3550B	DE038	10.4	1	99-09-2	3-NITROANILINE	190	U	37	190	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	117-84-0	Di-n-octylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	120-12-7	ANTHRACENE	0.42	J	0.37	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	129-00-0	PYRENE	2		0.74	1.9	ug/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	131-11-3	Dimethylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	191-24-2	BENZO(G,H,I)PERYLENE	2		0.74	1.9	ug/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	205-99-2	BENZO(B)FLUORANTHENE	1.5	J	0.74	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	206-44-0	FLUORANTHENE	1.6	J	0.74	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	218-01-9	CHRYSENE	3.4		0.37	1.9	ug/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	50-32-8	BENZO(A)PYRENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	56-55-3	BENZO(A)ANTHRACENE	1.4	J	0.74	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	83-32-9	ACENAPHTHENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	84-66-2	Diethylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	84-74-2	Di-n-butylphthalate	7.9	J	6.7	20	ug/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	85-01-8	PHENANTHRENE	2.5		0.74	1.9	ug/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	85-68-7	Butylbenzylphthalate	8.4	J	6.7	20	ug/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	86-73-7	FLUORENE	6.9		0.74	1.9	ug/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	90-12-0	1-METHYLNAPHTHALENE	1.2	J	0.74	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	91-20-3	NAPHTHALENE	2.9		0.74	1.9	ug/kg					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	8270C SIM	1/5/2011		3550B	DE038	10.4	1	91-57-6	2-METHYLNAPHTHALENE	1.2	J	0.74	1.9	ug/kg	J	J	J	Z	MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	9045M	12/16/2010		Gen Prep	DE038	10.4	1	pH	PH	7.56		0.0100	0.0100	pH unit					MDL	PQL	6348902.219	1909883.259
SED-025-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164643	ASTM D1498	12/16/2010		Gen Prep	DE038	10.4	1	REDOX	Oxidation Reduction Potential	472		10.0	10.0	mv					MDL	PQL	6348902.219	1909883.259
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	160.3M	12/16/2010		Gen Prep	DX023	13.8	1	MOIST	MOISTURE	13.8		0.50	0.50	%					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	1746-01-6	2,3,7,8-TCDD	1.16	U	0.0133	1.16	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	19408-74-3	1,2,3,7,8,9-HXCDD	1.6	J	0.0213	5.80	ng/kg	J	JB	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	3268-87-9	OCDD	1490		0.0773	11.6	ng/kg		B			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	76.7		0.0729	5.80	ng/kg		B			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	39001-02-0	OCDF	50.3		0.0202	11.6	ng/kg		B			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.684	J	0.0223	5.80	ng/kg	J	JB	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	40321-76-4	1,2,3,7,8-PECDD	0.376	J	0.0331	5.80	ng/kg	J	JBQ	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	51207-31-9	2,3,7,8-TCDF	0.426	J	0.0383	1.16	ng/kg	J	JB	J	Z	MDL	PQL	6349776.553	1909875.692

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	0.727	J	0.0302	5.80	ng/kg	J	JB	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	57117-31-4	2,3,4,7,8-PECDF	0.871	J	0.0147	5.80	ng/kg	J	JB	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	57117-41-6	1,2,3,7,8-PECDF	1.91	J	0.0142	5.80	ng/kg	J	JB	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.673	J	0.0151	5.80	ng/kg	J	JB	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	57653-85-7	1,2,3,6,7,8-HXCDD	4.59	J	0.0227	5.80	ng/kg	J	JB	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	60851-34-5	2,3,4,6,7,8-HXCDF	0.683	J	0.0173	5.80	ng/kg	J	JB	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	13.4		0.0194	5.80	ng/kg		B			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.673	J	0.0182	5.80	ng/kg	J	JB	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164984	1613B	1/17/2011		METHOD	DX023	13.8	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.8	U	0.0202	5.80	ng/kg	U	JB	U	B, Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	1024-57-3	HEPTACHLOR EPOXIDE	0.19	UJ	0.16	0.19	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	1031-07-8	ENDOSULFAN SULFATE	0.44	UJ	0.44	0.44	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	2385-85-5	MIREX	0.42	UJ	0.42	0.42	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	309-00-2	ALDRIN	0.19	U	0.077	0.19	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	319-84-6	ALPHA-BHC	0.066	J	0.039	0.19	ug/kg	J	J	J	Z, *#	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	319-85-7	BETA-BHC	0.19	U	0.070	0.19	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	319-86-8	DELTA-BHC	0.19	U	0.17	0.19	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	33213-65-9	ENDOSULFAN II	0.39	UJ	0.092	0.39	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	53494-70-5	ENDRIN KETONE	0.39	UJ	0.077	0.39	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	57-74-9	Chlordane	3.9	U	0.93	3.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	58-89-9	gamma-BHC (Lindane)	0.19	U	0.039	0.19	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	60-57-1	DIELDRIN	0.87	UJ	0.87	0.87	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	72-20-8	ENDRIN	0.39	UJ	0.077	0.39	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	72-43-5	METHOXYCHLOR	1.9	UJ	0.49	1.9	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	72-54-8	4,4'-DDD	0.39	U	0.21	0.39	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	72-55-9	4,4'-DDE	1.9	UJ	1.9	1.9	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	7421-93-4	ENDRIN ALDEHYDE	0.64	UJ	0.64	0.64	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	76-44-8	HEPTACHLOR	0.19	U	0.070	0.19	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	8001-35-2	TOXAPHENE	7.7	U	2.6	7.7	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	12/30/2010	NA	3550B	DE039	13.8	1	959-98-8	ENDOSULFAN I	0.19	UJ	0.051	0.19	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	11096-82-5	AROCLOR 1260	12	J	0.77	3.9	ug/kg	J		J	S	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	11097-69-1	AROCLOR 1254	18	J	0.77	3.9	ug/kg	J		J	S, *#	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	11100-14-4	Aroclor 1268	3.9	U	0.77	3.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	11104-28-2	AROCLOR 1221	3.9	U	1.2	3.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	11126-42-4	Aroclor 5460	22	J	2.3	7.7	ug/kg	J		J	S, L	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	11141-16-5	AROCLOR 1232	3.9	U	1.2	3.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	12642-23-8	Aroclor 5442	7.7	UJ	2.3	7.7	ug/kg	UJ	U	UJ	L	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	12672-29-6	AROCLOR 1248	17	J	0.77	3.9	ug/kg	J		J	S	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	12674-11-2	AROCLOR 1016	3.9	U	0.77	3.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	37324-23-5	Aroclor 1262	3.9	U	0.77	3.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	53469-21-9	AROCLOR 1242	3.9	U	1.2	3.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8082	12/29/2010	NA	3550B	DE039	13.8	2	63496-31-1	Aroclor 5432	7.7	UJ	2.3	7.7	ug/kg	UJ	U	UJ	L	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8151A	1/5/2011	NA	3550B	DE039	13.8	1	93-72-1	2,4,5-TP (Silvex)	0.2	U	0.087	0.20	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8151A	12/29/2010	NA	3550B	DE039	13.8	1	120-36-5	DICHLOROPROP	2	U	0.93	2.0	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8151A	12/29/2010	NA	3550B	DE039	13.8	1	1918-00-9	DICAMBA	0.57	J	0.46	1.4	ug/kg	J	J	J	S, Z, *#	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8151A	12/29/2010	NA	3550B	DE039	13.8	1	75-99-0	DALAPON	10	UJ	5.1	10	ug/kg	UJ	U	UJ	C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8151A	12/29/2010	NA	3550B	DE039	13.8	1	88-85-7	DINOSEB	2.8	R	0.93	2.8	ug/kg	R	U	R	L, C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8151A	12/29/2010	NA	3550B	DE039	13.8	1	93-65-2	MCPP	290	U	87	290	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8151A	12/29/2010	NA	3550B	DE039	13.8	1	93-76-5	2,4,5-T	0.2	U	0.20	0.20	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8151A	12/29/2010	NA	3550B	DE039	13.8	1	94-74-6	MCPA	1200	J	88	290	ug/kg	J		J	S, C	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8151A	12/29/2010	NA	3550B	DE039	13.8	1	94-75-7	2,4-D	4.2	U	1.4	4.2	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8151A	12/29/2010	NA	3550B	DE039	13.8	1	94-82-6	2,4-DB	2	U	1.3	2.0	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	100-01-6	4-NITROANILINE	190	U	77	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	100-02-7	4-NITROPHENOL	580	U	190	580	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	100-51-6	BENZYL ALCOHOL	580	U	190	580	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	106-44-5	4-METHYLPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	106-47-8	4-CHLOROANILINE	190	U	77	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	108-68-9	3,5-Dimethylphenol	190	U	39	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	47	J	19	390	ug/kg	J	J	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	121-14-2	2,4-DINITROTOLUENE	190	U	39	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	51-28-5	2,4-DINITROPHENOL	2300	U	770	2300	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	580	U	190	580	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	62-53-3	ANILINE	580	U	190	580	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	65-85-0	BENZOIC ACID	580	U	190	580	ug/kg		U			MDL	PQL	6349776.553	1909875.692

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	39	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	580	U	190	580	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	86-74-8	CARBAZOLE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	87-68-3	HEXACHLOROBUTADIENE	190	U	77	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	87-86-5	PENTACHLOROPHENOL	580	U	190	580	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	91-94-1	3,3'-DICHLOROBENZIDINE	390	U	120	390	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	92-87-5	BENZIDINE	3900	U	1400	3900	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	95-48-7	2-METHYLPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C	1/14/2011	NA	3550B	DE039	13.8	1	99-09-2	3-NITROANILINE	190	U	39	190	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	117-84-0	Di-n-octylphthalate	21	U	7.0	21	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	120-12-7	ANTHRACENE	1	J	0.39	1.9	ug/kg	J	J	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	129-00-0	PYRENE	6.1		0.77	1.9	ug/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	131-11-3	Dimethylphthalate	21	U	7.0	21	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	191-24-2	BENZO(G,H,I)PERYLENE	1.6	J	0.77	1.9	ug/kg	J	J	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.3	J	0.77	1.9	ug/kg	J	J	J	L, Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	205-99-2	BENZO(B)FLUORANTHENE	5.6		0.77	1.9	ug/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	206-44-0	FLUORANTHENE	8.6	J	0.77	1.9	ug/kg	J		J	L	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	207-08-9	BENZO(K)FLUORANTHENE	1.8	J	0.77	1.9	ug/kg	J	J	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.39	1.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	218-01-9	CHRYSENE	5.1	J	0.39	1.9	ug/kg	J		J	L	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	50-32-8	BENZO(A)PYRENE	2.3		0.77	1.9	ug/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	UJ	0.77	1.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	56-55-3	BENZO(A)ANTHRACENE	3.1		0.77	1.9	ug/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	83-32-9	ACENAPHTHENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	84-66-2	Diethylphthalate	21	UJ	7.0	21	ug/kg	UJ	U	UJ	L	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	84-74-2	Di-n-butylphthalate	21	UJ	7.0	21	ug/kg	UJ	U	UJ	L	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	85-01-8	PHENANTHRENE	3.9		0.77	1.9	ug/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	85-68-7	Butylbenzylphthalate	9.1	J	7.0	21	ug/kg	J	J	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	86-73-7	FLUORENE	1.9	UJ	0.77	1.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	90-12-0	1-METHYLNAPHTHALENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	91-20-3	NAPHTHALENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8270C SIM	1/5/2011	NA	3550B	DE039	13.8	1	91-57-6	2-METHYLNAPHTHALENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	9045M	12/16/2010	NA	Gen Prep	DE039	13.8	1	pH	PH	7.28		0.0100	0.0100	pH unit					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	ASTM D1498	12/16/2010	NA	Gen Prep	DE039	13.8	1	REDOX	Oxidation Reduction Potential	422		10.0	10.0	mv					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	160.3M	12/16/2010	NA	Gen Prep	DE039	13.8	1	MOIST	MOISTURE	13.8		0.50	0.50	%					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	300.0	1/8/2011	NA	Gen Prep	DE039	13.8	1	16984-48-8	FLUORIDE	1.7	J	0.93	1.2	mg/kg	J		J	Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	314.0	1/6/2011	NA	METHOD	DE039	13.8	1	14797-73-0	PERCHLORATE	34.8	U	10.4	34.8	ug/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7429-90-5	ALUMINUM	15500		5.78	23.0	mg/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7439-89-6	IRON	22200		5.41	23.0	mg/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7439-93-2	LITHIUM	25.7	J	0.25	2.3	mg/kg	J		J	*#	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7439-95-4	MAGNESIUM	4510		2.92	11.5	mg/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7439-96-5	MANGANESE	340		0.0896	0.574	mg/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7440-09-7	POTASSIUM	3830	J	20.7	57.4	mg/kg	J		J	Q, *#	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7440-23-5	SODIUM	112	J	42.8	115	mg/kg	J	J	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7440-24-6	STRONTIUM	20.6		0.0712	0.574	mg/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7440-31-5	TIN	11.5	U	1.15	11.5	mg/kg	U	J	U	B, Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7440-32-6	TITANIUM	1290		0.436	1.15	mg/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7440-42-8	BORON	4.12	J	1.02	5.74	mg/kg	J	J	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7440-67-7	Zirconium	5.74	U	0.965	5.74	mg/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7440-70-2	CALCIUM	3130		7.04	23.0	mg/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6010B	12/22/2010	NA	3050B	DE039	13.8	1	7723-14-0	PHOSPHORUS	437	J	0.643	11.5	mg/kg	J		J	Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/28/2010	NA	3050B	DE039	13.8	2	7440-43-9	CADMIUM	0.26	UJ	0.0413	0.260	mg/kg	UJ		UJ	B, Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7782-49-2	SELENIUM	0.177	J	0.0459	0.459	mg/kg	J	J	J	Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7439-98-7	MOLYBDENUM	0.94	J	0.0574	0.115	mg/kg	J		J	Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-39-3	BARIUM	150	J	0.124	0.459	mg/kg	J		J	E, *#	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7439-92-1	LEAD	19.5	J	0.0119	0.230	mg/kg	J		J	E, Q, *#	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-02-0	NICKEL	15	J	0.115	0.459	mg/kg	J		J	E, Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-22-4	SILVER	0.575	J	0.0138	0.115	mg/kg	J		J	Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-28-0	THALLIUM	0.465	J	0.0345	0.115	mg/kg	J		J	Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-36-0	ANTIMONY	0.23	U	0.0689	0.230	mg/kg	U	J	U	B, Z	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-38-2	ARSENIC	6.61	J	0.0689	0.459	mg/kg	J		J	E, Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-41-7	BERYLLIUM	0.666	J	0.0184	0.115	mg/kg	J		J	Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-47-3	CHROMIUM	24.3	J	0.138	0.459	mg/kg	J		J	E, Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-48-4	COBALT	7.27	J	0.0230	0.115	mg/kg	J		J	Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-50-8	COPPER	11.3	J	0.0758	0.459	mg/kg	J		J	E, Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-62-2	VANADIUM	46.8	J	0.0253	0.115	mg/kg	J		J	E, Q	MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	6020	12/26/2010	NA	3050B	DE039	13.8	2	7440-66-6	ZINC	105	J	0.643	3.45	mg/kg	J		J	E, *#	MDL	PQL	6349776.553	1909875.692

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	7199	1/4/2011	NA	3060A	DE039	13.8	1	18540-29-9	HEXAVALENT CHROMIUM	1.2	U	0.23	1.2	mg/kg		U			MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	7471A	12/20/2010	NA	METHOD	DE039	13.8	1	7439-97-6	MERCURY	0.614		0.0033	0.114	mg/kg					MDL	PQL	6349776.553	1909875.692
SED-026-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164956	8081A	1/7/2011	NA	3550B	DE039	13.8	5	50-29-3	4,4'-DDT	4.4	J	0.38	2.0	ug/kg	J		J	C	MDL	PQL	6349776.553	1909875.692
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	160.3M	12/16/2010		Gen Prep	DX023	13.6	1	MOIST	MOISTURE	13.6		0.50	0.50	%					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	1746-01-6	2,3,7,8-TCDD	1.16	U	0.0358	1.16	ng/kg	U	JB	U	B, Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.471	J	0.0476	5.79	ng/kg	J	JB	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	3268-87-9	OCDD	148		0.0705	11.6	ng/kg		B			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	11.3		0.0719	5.79	ng/kg		B			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	39001-02-0	OCDF	8.78	J	0.0550	11.6	ng/kg	J	JB	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	39227-28-6	1,2,3,4,7,8-HxCDD	5.79	U	0.0481	5.79	ng/kg	U	JB	U	B, Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	40321-76-4	1,2,3,7,8-PECDD	5.79	U	0.0573	5.79	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	51207-31-9	2,3,7,8-TCDF	0.384	J	0.0671	1.16	ng/kg	J	JBQ	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.79	U	0.0666	5.79	ng/kg	U	JB	U	B, Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	57117-31-4	2,3,4,7,8-PECDF	0.736	J	0.0313	5.79	ng/kg	J	JB	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	57117-41-6	1,2,3,7,8-PECDF	0.588	J	0.0301	5.79	ng/kg	J	JB	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.387	J	0.0427	5.79	ng/kg	J	JB	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.721	J	0.0502	5.79	ng/kg	J	JB	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	60851-34-5	2,3,4,6,7,8-HXCDF	5.79	U	0.0473	5.79	ng/kg	U	JB	U	B, Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	3.24	J	0.0363	5.79	ng/kg	J	JB	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.418	J	0.0505	5.79	ng/kg	J	JB	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164983	1613B	1/16/2011		METHOD	DX023	13.6	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.79	U	0.0602	5.79	ng/kg	U	JB	U	B, Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-22-4	SILVER	0.146	J	0.0136	0.113	mg/kg	J		J	Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-28-0	THALLIUM	0.347	J	0.0340	0.113	mg/kg	J		J	Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-36-0	ANTIMONY	0.227	U	0.0681	0.227	mg/kg	U	J	U	B, Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-38-2	ARSENIC	6.17	J	0.0681	0.454	mg/kg	J		J	E, Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-41-7	BERYLLIUM	0.5	J	0.0182	0.113	mg/kg	J		J	Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-43-9	CADMIUM	0.259	UJ	0.0408	0.259	mg/kg	UJ		UJ	B, Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-47-3	CHROMIUM	26.8	J	0.136	0.454	mg/kg	J		J	E, Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-48-4	COBALT	7.14	J	0.0227	0.113	mg/kg	J		J	Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-50-8	COPPER	10.6	J	0.0749	0.454	mg/kg	J		J	E, Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-62-2	VANADIUM	54.9	J	0.0250	0.113	mg/kg	J		J	E, Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-66-6	ZINC	88.1	J	0.635	3.40	mg/kg	J		J	E, *#	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	7199	1/4/2011	NA	3060A	DE039	13.6	1	18540-29-9	HEXAVALENT CHROMIUM	1.2	U	0.23	1.2	mg/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	7471A	12/20/2010	NA	METHOD	DE039	13.6	1	7439-97-6	MERCURY	0.0513	J	0.0032	0.111	mg/kg	J	J	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	1024-57-3	HEPTACHLOR EPOXIDE	0.39	UJ	0.39	0.39	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	1031-07-8	ENDOSULFAN SULFATE	0.49	J	0.076	0.39	ug/kg	J		J	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	2385-85-5	MIREX	0.61	UJ	0.61	0.61	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	309-00-2	ALDRIN	0.19	U	0.076	0.19	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	319-84-6	ALPHA-BHC	0.19	U	0.039	0.19	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	319-85-7	BETA-BHC	0.19	U	0.069	0.19	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	319-86-8	DELTA-BHC	0.24		0.042	0.19	ug/kg					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	33213-65-9	ENDOSULFAN II	0.39	UJ	0.13	0.39	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	50-29-3	4,4'-DDT	2.2	UJ	2.2	2.2	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	53494-70-5	ENDRIN KETONE	0.39	UJ	0.076	0.39	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	57-74-9	Chlordane	4.2	U	4.2	4.2	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	58-89-9	gamma-BHC (Lindane)	0.19	U	0.045	0.19	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	60-57-1	DIELDRIN	0.39	UJ	0.22	0.39	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	72-20-8	ENDRIN	0.39	UJ	0.076	0.39	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	72-43-5	METHOXYCHLOR	1.9	UJ	1.3	1.9	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	72-54-8	4,4'-DDD	0.39	U	0.20	0.39	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	72-55-9	4,4'-DDE	0.69	UJ	0.69	0.69	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	7421-93-4	ENDRIN ALDEHYDE	0.61	UJ	0.61	0.61	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	76-44-8	HEPTACHLOR	0.19	U	0.093	0.19	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	8001-35-2	TOXAPHENE	7.6	U	2.5	7.6	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8081A	12/30/2010	NA	3550B	DE039	13.6	1	959-98-8	ENDOSULFAN I	0.19	UJ	0.051	0.19	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	11096-82-5	AROCLOR 1260	3.1	U	3.1	3.1	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	11097-69-1	AROCLOR 1254	11	J	0.76	3.9	ug/kg	J		J	S, *#	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	11100-14-4	Aroclor 1268	3.9	U	0.76	3.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	11104-28-2	AROCLOR 1221	3.9	U	1.2	3.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	11126-42-4	Aroclor 5460	3.6	J	2.3	7.6	ug/kg	J	J	J	S, L, Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	11141-16-5	AROCLOR 1232	3.9	U	1.2	3.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	12642-23-8	Aroclor 5442	7.6	UJ	2.3	7.6	ug/kg	UJ	U	UJ	L	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	12672-29-6	AROCLOR 1248	6	U	6.0	6.0	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	12674-11-2	AROCLOR 1016	3.9	U	0.76	3.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	37324-23-5	Aroclor 1262	3.9	U	0.76	3.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	53469-21-9	AROCLOR 1242	3.9	U	1.2	3.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8082	12/29/2010	NA	3550B	DE039	13.6	2	53496-31-1	Aroclor 5432	7.6	UJ	2.3	7.6	ug/kg	UJ	U	UJ	L	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8151A	1/5/2011	NA	3550B	DE039	13.6	1	93-72-1	2,4,5-TP (Silvex)	0.23		0.087	0.20	ug/kg					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8151A	12/29/2010	NA	3550B	DE039	13.6	1	120-36-5	DICHLOROPROP	2	U	0.93	2.0	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8151A	12/29/2010	NA	3550B	DE039	13.6	1	1918-00-9	DICAMBA	1.3	J	0.46	1.4	ug/kg	J	J	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8151A	12/29/2010	NA	3550B	DE039	13.6	1	75-99-0	DALAPON	10	UJ	5.1	10	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8151A	12/29/2010	NA	3550B	DE039	13.6	1	88-85-7	DINOSEB	2.8	R	0.93	2.8	ug/kg	R	U	R	L, C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8151A	12/29/2010	NA	3550B	DE039	13.6	1	93-65-2	MCPP	290	U	140	290	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8151A	12/29/2010	NA	3550B	DE039	13.6	1	93-76-5	2,4,5-T	0.2	U	0.095	0.20	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8151A	12/29/2010	NA	3550B	DE039	13.6	1	94-74-6	MCPA	290	UJ	240	290	ug/kg	UJ	U	UJ	C	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8151A	12/29/2010	NA	3550B	DE039	13.6	1	94-75-7	2,4-D	4.2	U	1.4	4.2	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8151A	12/29/2010	NA	3550B	DE039	13.6	1	94-82-6	2,4-DB	8.9	U	8.9	8.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	100-01-6	4-NITROANILINE	190	U	77	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	100-02-7	4-NITROPHENOL	580	U	190	580	ug/kg		U			MDL	PQL	6349354.955	1910082.97

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	100-51-6	BENZYL ALCOHOL	580	U	190	580	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	106-44-5	4-METHYLPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	106-47-8	4-CHLOROANILINE	190	U	77	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	108-68-9	3,5-Dimethylphenol	190	U	39	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	121-14-2	2,4-DINITROTOLUENE	190	U	39	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	51-28-5	2,4-DINITROPHENOL	2300	U	770	2300	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	580	U	190	580	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	62-53-3	ANILINE	580	U	190	580	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	65-85-0	BENZOIC ACID	580	U	190	580	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	160.3M	12/16/2010	NA	Gen Prep	DE039	13.6	1	MOIST	MOISTURE	13.6		0.50	0.50	%					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	300.0	1/8/2011	NA	Gen Prep	DE039	13.6	1	16984-48-8	FLUORIDE	1.1	J	0.93	1.2	mg/kg	J	J	J	Q, Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	314.0	1/6/2011	NA	METHOD	DE039	13.6	1	14797-73-0	PERCHLORATE	34.7	U	10.4	34.7	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7429-90-5	ALUMINUM	12500		5.82	23.1	mg/kg					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7439-89-6	IRON	21200		5.45	23.1	mg/kg					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7439-93-2	LITHIUM	24.6	J	0.25	2.3	mg/kg	J		J	*#	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7439-95-4	MAGNESIUM	5510		2.94	11.6	mg/kg					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7439-96-5	MANGANESE	308		0.0903	0.579	mg/kg					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7440-09-7	POTASSIUM	3150	J	20.8	57.9	mg/kg	J		J	Q, *#	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7440-23-5	SODIUM	86.1	J	43.2	116	mg/kg	J	J	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7440-24-6	STRONTIUM	18		0.0718	0.579	mg/kg					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7440-31-5	TIN	11.6	U	1.16	11.6	mg/kg	U	J	U	B, Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7440-32-6	TITANIUM	1250		0.440	1.16	mg/kg					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7440-42-8	BORON	4.15	J	1.03	5.79	mg/kg	J	J	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7440-67-7	Zirconium	1.31	J	0.972	5.79	mg/kg	J	J	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7440-70-2	CALCIUM	3280		7.09	23.1	mg/kg					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6010B	12/22/2010	NA	3050B	DE039	13.6	1	7723-14-0	PHOSPHORUS	446	J	0.648	11.6	mg/kg	J		J	Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7782-49-2	SELENIUM	0.225	J	0.0454	0.454	mg/kg	J	J	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7439-98-7	MOLYBDENUM	0.731	J	0.0567	0.113	mg/kg	J		J	Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-39-3	BARIUM	126	J	0.123	0.454	mg/kg	J		J	E, *#	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7439-92-1	LEAD	16.2	J	0.0118	0.227	mg/kg	J		J	E, Q, *#	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	6020	12/26/2010	NA	3050B	DE039	13.6	2	7440-02-0	NICKEL	15.8	J	0.113	0.454	mg/kg	J		J	E, Q	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	39	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	580	U	190	580	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	86-74-8	CARBAZOLE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	87-68-3	HEXACHLOROBUTADIENE	190	U	77	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	87-86-5	PENTACHLOROPHENOL	580	U	190	580	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	91-94-1	3,3'-DICHLOROBENZIDINE	390	U	120	390	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	92-87-5	BENZIDINE	3900	U	1400	3900	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	95-48-7	2-METHYLPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	39	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C	1/14/2011	NA	3550B	DE039	13.6	1	99-09-2	3-NITROANILINE	190	U	39	190	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	13	J	6.9	21	ug/kg	J	J	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	117-84-0	Di-n-octylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	120-12-7	ANTHRACENE	1.9	U	0.39	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	129-00-0	PYRENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	131-11-3	Dimethylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	191-24-2	BENZO(G,H,I)PERYLENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.9	UJ	0.77	1.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	205-99-2	BENZO(B)FLUORANTHENE	0.94	J	0.77	1.9	ug/kg	J	J	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	206-44-0	FLUORANTHENE	0.94	J	0.77	1.9	ug/kg	J	J	J	L, Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	207-08-9	BENZO(K)FLUORANTHENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.39	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	218-01-9	CHRYSENE	0.85	J	0.39	1.9	ug/kg	J	J	J	L, Z	MDL	PQL	6349354.955	1910082.97

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	50-32-8	BENZO(A)PYRENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	UJ	0.77	1.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	56-55-3	BENZO(A)ANTHRACENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	83-32-9	ACENAPHTHENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	84-66-2	Diethylphthalate	21	UJ	6.9	21	ug/kg	UJ	U	UJ	L	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	84-74-2	Di-n-butylphthalate	21	UJ	6.9	21	ug/kg	UJ	U	UJ	L	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	85-01-8	PHENANTHRENE	1	J	0.77	1.9	ug/kg	J	J	J	Z	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	85-68-7	Butylbenzylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	86-73-7	FLUORENE	1.9	UJ	0.77	1.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	90-12-0	1-METHYLNAPHTHALENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	91-20-3	NAPHTHALENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	8270C SIM	1/5/2011	NA	3550B	DE039	13.6	1	91-57-6	2-METHYLNAPHTHALENE	1.9	U	0.77	1.9	ug/kg		U			MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	9045M	12/16/2010	NA	Gen Prep	DE039	13.6	1	pH	PH	6.96		0.0100	0.0100	pH unit					MDL	PQL	6349354.955	1910082.97
SED-027-SIV-SD-0.0-0.5	12/14/2010	N	0	0.5	ft bgs	SE	SED		6164955	ASTM D1498	12/16/2010	NA	Gen Prep	DE039	13.6	1	REDOX	Oxidation Reduction Potential	501		10.0	10.0	mv					MDL	PQL	6349354.955	1910082.97
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	160.3M	1/19/2011		Gen Prep	DX038	29.4	1	MOIST	MOISTURE	29.4		0.50	0.50	%					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	300.0	1/27/2011		METHOD	DE060	29.4	1	16984-48-8	FLUORIDE	2	J	1.1	1.4	mg/kg	J		J	Q	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	314.0	1/25/2011		METHOD	DE060	29.4	1	14797-73-0	PERCHLORATE	42.5	U	12.7	42.5	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7429-90-5	ALUMINUM	9630		6.92	27.5	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7439-89-6	IRON	18800		6.48	27.5	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7439-93-2	LITHIUM	22.6		0.30	2.8	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7439-95-4	MAGNESIUM	4850		3.49	13.8	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7439-96-5	MANGANESE	246		0.107	0.688	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7440-09-7	POTASSIUM	2750		24.8	68.8	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7440-23-5	SODIUM	65.7	J	51.3	138	mg/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7440-24-6	STRONTIUM	12		0.0853	0.688	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7440-31-5	TIN	2.53	J	1.38	13.8	mg/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7440-32-6	TITANIUM	1070		0.523	1.38	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7440-42-8	BORON	6.88	U	1.22	6.88	mg/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7440-67-7	Zirconium	2.1	J	1.16	6.88	mg/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7440-70-2	CALCIUM	3900		8.43	27.5	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6010B	1/21/2011	NA	3050B	DE060	29.4	1	7723-14-0	PHOSPHORUS	478		0.770	13.8	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7439-92-1	LEAD	6.77		0.0144	0.278	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-02-0	NICKEL	9.52		0.139	0.555	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-22-4	SILVER	0.037	J	0.0167	0.139	mg/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-28-0	THALLIUM	0.191		0.0417	0.139	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-36-0	ANTIMONY	0.278	U	0.0833	0.278	mg/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-38-2	ARSENIC	2.87		0.111	0.555	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-41-7	BERYLLIUM	0.365		0.0222	0.139	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-43-9	CADMIUM	0.208		0.0555	0.139	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-47-3	CHROMIUM	15.9		0.167	0.555	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-48-4	COBALT	5.06		0.0278	0.139	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-50-8	COPPER	6.44		0.0917	0.555	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-62-2	VANADIUM	32.6		0.0306	0.139	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-66-6	ZINC	52.6		0.778	4.17	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7782-49-2	SELENIUM	0.124	J	0.0555	0.555	mg/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7439-98-7	MOLYBDENUM	0.291		0.0694	0.139	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	6020	1/21/2011	NA	3050B	DE060	29.4	2	7440-39-3	BARIUM	64.4		0.150	0.555	mg/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	7199	1/29/2011		3060A	DE060	29.4	1	18540-29-9	HEXAVALENT CHROMIUM	0.29	J	0.28	1.4	mg/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	7471A	1/24/2011	NA	METHOD	DE060	29.4	1	7439-97-6	MERCURY	0.0904	J	0.0040	0.140	mg/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	1024-57-3	HEPTACHLOR EPOXIDE	0.24	U	0.048	0.24	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	1031-07-8	ENDOSULFAN SULFATE	0.48	U	0.093	0.48	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	2385-85-5	MIREX	0.48	U	0.093	0.48	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	309-00-2	ALDRIN	0.24	U	0.093	0.24	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	319-84-6	ALPHA-BHC	0.24	U	0.048	0.24	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	319-85-7	BETA-BHC	0.24	U	0.085	0.24	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	319-86-8	DELTA-BHC	0.24	U	0.051	0.24	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	33213-65-9	ENDOSULFAN II	0.48	U	0.093	0.48	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	50-29-3	4,4'-DDT	0.48	U	0.31	0.48	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	53494-70-5	ENDRIN KETONE	0.48	U	0.093	0.48	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	57-74-9	Chlordane	4.8	U	1.1	4.8	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	58-89-9	gamma-BHC (Lindane)	0.24	U	0.048	0.24	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	60-57-1	DIELDRIN	0.48	U	0.093	0.48	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	72-20-8	ENDRIN	0.48	U	0.093	0.48	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	72-43-5	METHOXYCHLOR	2.4	U	0.64	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	72-54-8	4,4'-DDD	0.48	U	0.12	0.48	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	72-55-9	4,4'-DDE	0.48	U	0.17	0.48	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	7421-93-4	ENDRIN ALDEHYDE	0.48	U	0.093	0.48	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	76-44-8	HEPTACHLOR	0.24	U	0.085	0.24	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	8001-35-2	TOXAPHENE	9.3	U	3.1	9.3	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8081A	2/3/2011		3550B	DE060	29.4	1	959-98-8	ENDOSULFAN I	0.24	U	0.062	0.24	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	11096-82-5	AROCLOR 1260	2.4	U	0.47	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	11097-69-1	AROCLOR 1254	1.5	J	0.47	2.4	ug/kg	J	J	J	S, Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	11100-14-4	Aroclor 1268	2.4	U	0.47	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	11104-28-2	AROCLOR 1221	2.4	U	0.71	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	11126-42-4	Aroclor 5460	4.7	UJ	1.4	4.7	ug/kg	UJ	U	UJ	L	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	11141-16-5	AROCLOR 1232	2.4	U	0.74	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	12642-23-8	Aroclor 5442	4.7	UJ	1.4	4.7	ug/kg	UJ	U	UJ	L	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	12672-29-6	AROCLOR 1248	2.4	U	0.47	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	12674-11-2	AROCLOR 1016	2.4	U	0.47	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	37324-23-5	Aroclor 1262	2.4	U	0.47	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	53469-21-9	AROCLOR 1242	2.4	U	0.71	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8082	1/27/2011		3550B	DE060	29.4	1	63496-31-1	Aroclor 5432	4.7	UJ	1.4	4.7	ug/kg	UJ	U	UJ	L	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8151A	2/2/2011		3550B	DE060	29.4	1	120-36-5	DICHLOROPROP	2.4	U	1.1	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8151A	2/2/2011		3550B	DE060	29.4	1	1918-00-9	DICAMBA	1.7	U	0.57	1.7	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8151A	2/2/2011		3550B	DE060	29.4	1	75-99-0	DALAPON	13	U	6.2	13	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8151A	2/2/2011		3550B	DE060	29.4	1	88-85-7	DINOSEB	3.4	R	1.1	3.4	ug/kg	R	U	R	L	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8151A	2/2/2011		3550B	DE060	29.4	1	93-65-2	MCPP	570	U	570	570	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8151A	2/2/2011		3550B	DE060	29.4	1	93-72-1	2,4,5-TP (Silvex)	0.24	U	0.11	0.24	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8151A	2/2/2011		3550B	DE060	29.4	1	93-76-5	2,4,5-T	0.24	U	0.12	0.24	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8151A	2/2/2011		3550B	DE060	29.4	1	94-74-6	MCPA	450	U	450	450	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8151A	2/2/2011		3550B	DE060	29.4	1	94-75-7	2,4-D	5.1	U	1.7	5.1	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8151A	2/2/2011		3550B	DE060	29.4	1	94-82-6	2,4-DB	3.8		0.88	2.4	ug/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	100-01-6	4-NITROANILINE	240	U	94	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	100-02-7	4-NITROPHENOL	710	U	240	710	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	100-51-6	BENZYL ALCOHOL	710	U	240	710	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	105-67-9	2,4-DIMETHYLPHENOL	240	U	47	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	106-44-5	4-METHYLPHENOL	240	U	47	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	106-46-7	1,4-DICHLOROBENZENE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	106-47-8	4-CHLOROANILINE	240	U	94	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	108-68-9	3,5-Dimethylphenol	240	U	47	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	108-95-2	PHENOL	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	470	U	24	470	ug/kg	U	J	U	B, Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	118-74-1	HEXACHLOROBENZENE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	120-82-1	1,2,4-TRICHLOROBENZENE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	120-83-2	2,4-DICHLOROPHENOL	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	121-14-2	2,4-DINITROTOLUENE	240	U	47	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	132-64-9	DIBENZOFURAN	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	51-28-5	2,4-DINITROPHENOL	1400	U	940	1400	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	710	U	240	710	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	541-73-1	1,3-DICHLOROBENZENE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	59-50-7	4-CHLORO-3-METHYLPHENOL	240	U	47	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	606-20-2	2,6-DINITROTOLUENE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	62-53-3	ANILINE	710	U	240	710	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	65-85-0	BENZOIC ACID	710	U	240	710	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	67-72-1	HEXACHLOROETHANE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	240	U	47	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	710	U	240	710	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	78-59-1	ISOPHORONE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	86-30-6	N-NITROSODIPHENYLAMINE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	86-74-8	CARBAZOLE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	87-68-3	HEXACHLOROBUTADIENE	240	U	94	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	87-86-5	PENTACHLOROPHENOL	710	U	240	710	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	88-06-2	2,4,6-TRICHLOROPHENOL	240	U	47	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	88-74-4	2-NITROANILINE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	88-75-5	2-NITROPHENOL	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	91-58-7	2-CHLORONAPHTHALENE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	91-94-1	3,3'-DICHLOROBENZIDINE	470	U	140	470	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	92-87-5	BENZIDINE	4700	U	1700	4700	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	95-48-7	2-METHYLPHENOL	240	U	47	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	95-50-1	1,2-DICHLOROBENZENE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	95-57-8	2-CHLOROPHENOL	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	95-95-4	2,4,5-TRICHLOROPHENOL	240	U	47	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	98-95-3	NITROBENZENE	240	U	24	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C	1/27/2011		3550B	DE060	29.4	1	99-09-2	3-NITROANILINE	240	U	47	240	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	117-84-0	Di-n-octylphthalate	25	U	8.5	25	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	120-12-7	ANTHRACENE	2.4	U	0.47	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	129-00-0	PYRENE	2.4	U	0.94	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	131-11-3	Dimethylphthalate	25	U	8.5	25	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	191-24-2	BENZO(G,H,I)PERYLENE	2.4	U	0.94	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2.4	U	0.94	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	205-99-2	BENZO(B)FLUORANTHENE	25		0.94	2.4	ug/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	206-44-0	FLUORANTHENE	1.3	J	0.94	2.4	ug/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	207-08-9	BENZO(K)FLUORANTHENE	2.4	U	0.94	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	208-96-8	ACENAPHTHYLENE	2.4	U	0.47	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	218-01-9	CHRYSENE	0.93	J	0.47	2.4	ug/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	50-32-8	BENZO(A)PYRENE	1.4	J	0.94	2.4	ug/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.4	U	0.94	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	56-55-3	BENZO(A)ANTHRACENE	2.4	U	0.94	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	62-75-9	N-NITROSODIMETHYLAMINE	2.4	U	0.94	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	83-32-9	ACENAPHTHENE	2.4	U	0.94	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	84-66-2	Diethylphthalate	25	U	8.5	25	ug/kg		U			MDL	PQL	6349031.338	1910843.966

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	84-74-2	Di-n-butylphthalate	25	U	8.5	25	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	85-01-8	PHENANTHRENE	1.2	J	0.94	2.4	ug/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	85-68-7	Butylbenzylphthalate	25	U	8.5	25	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	86-73-7	FLUORENE	4.4		0.94	2.4	ug/kg					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	90-12-0	1-METHYLNAPHTHALENE	2.4	U	0.94	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	91-20-3	NAPHTHALENE	1.2	J	0.94	2.4	ug/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	8270C SIM	1/25/2011		3550B	DE060	29.4	1	91-57-6	2-METHYLNAPHTHALENE	2.4	U	0.94	2.4	ug/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	9045M	1/18/2011		Gen Prep	DE060	29.4	1	pH	PH	7.41		0.0100	0.0100	pH unit					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183556	ASTM D1498	1/18/2011		Gen Prep	DE060	29.4	1	REDOX	Oxidation Reduction Potential	409		10.0	10.0	mv					MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	7.08	U	0.0343	7.08	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	57117-31-4	2,3,4,7,8-PECDF	0.266	J	0.0313	7.08	ng/kg	J	JQ	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	57117-41-6	1,2,3,7,8-PECDF	0.206	J	0.0320	7.08	ng/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	57117-44-9	1,2,3,6,7,8-HXCDF	7.08	U	0.0266	7.08	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.226	J	0.0443	7.08	ng/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	60851-34-5	2,3,4,6,7,8-HXCDF	7.08	U	0.0279	7.08	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	7.08	U	0.0235	7.08	ng/kg	U	JB	U	B, Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	70648-26-9	1,2,3,4,7,8-HXCDF	7.08	U	0.0303	7.08	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	72918-21-9	1,2,3,7,8,9-HXCDF	7.08	U	0.0317	7.08	ng/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	1746-01-6	2,3,7,8-TCDD	1.42	U	0.0460	1.42	ng/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.156	J	0.0452	7.08	ng/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	3268-87-9	OCDD	31.3		0.0508	14.2	ng/kg		B			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	2.91	J	0.0559	7.08	ng/kg	J	JB	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	39001-02-0	OCDF	1.72	J	0.0690	14.2	ng/kg	J	JB	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.123	J	0.0441	7.08	ng/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	40321-76-4	1,2,3,7,8-PECDD	7.08	U	0.0453	7.08	ng/kg		U			MDL	PQL	6349031.338	1910843.966
SED-028-SIV-SD-0.0-0.5	1/13/2011	N	0	0.5	ft bgs	SE	SED		6183578	1613B	2/2/2011		METHOD	DX038	29.4	1	51207-31-9	2,3,7,8-TCDF	0.0948	J	0.0707	1.42	ng/kg	J	J	J	Z	MDL	PQL	6349031.338	1910843.966
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	160.3M	12/15/2010		Gen Prep	DX020	9.7	1	MOIST	MOISTURE	9.7		0.50	0.50	%					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	1746-01-6	2,3,7,8-TCDD	0.187	J	0.0386	1.11	ng/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	19408-74-3	1,2,3,7,8,9-HXCDD	4.22	J	0.0589	5.54	ng/kg	J	JB	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	3268-87-9	OCDD	1970		0.142	11.1	ng/kg		B			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	182		0.127	5.54	ng/kg		B			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	39001-02-0	OCDF	106		0.0526	11.1	ng/kg		B			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	39227-28-6	1,2,3,4,7,8-HxCDD	2.99	J	0.0579	5.54	ng/kg	J	JB	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	40321-76-4	1,2,3,7,8-PECDD	1.15	J	0.101	5.54	ng/kg	J	JBQ	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	51207-31-9	2,3,7,8-TCDF	1.03	J	0.131	1.11	ng/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	1.99	J	0.0877	5.54	ng/kg	J	JB	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	57117-31-4	2,3,4,7,8-PECDF	4.53	J	0.0504	5.54	ng/kg	J	JB	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	57117-41-6	1,2,3,7,8-PECDF	10.6		0.0559	5.54	ng/kg		B			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	57117-44-9	1,2,3,6,7,8-HXCDF	2.44	J	0.0489	5.54	ng/kg	J	JB	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	57653-85-7	1,2,3,6,7,8-HXCDD	6.88		0.0580	5.54	ng/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	60851-34-5	2,3,4,6,7,8-HXCDF	3.27	J	0.0507	5.54	ng/kg	J	JB	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	29.4		0.0660	5.54	ng/kg		B			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	70648-26-9	1,2,3,4,7,8-HXCDF	2	J	0.0524	5.54	ng/kg	J	JB	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163646	1613B	1/5/2011		METHOD	DX020	9.7	1	72918-21-9	1,2,3,7,8,9-HXCDF	0.718	J	0.0576	5.54	ng/kg	J	JB	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	300.0	1/4/2011		METHOD	DE036	9.7	1	16984-48-8	FLUORIDE	1.1	U	0.89	1.1	mg/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	314.0	12/30/2010		METHOD	DE036	9.7	1	14797-73-0	PERCHLORATE	33.2	U	10	33.2	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/24/2010	NA	3050B	DE036	9.7	1	7440-23-5	SODIUM	86.8	J	39.7	106	mg/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/22/2010	NA	3050B	DE036	9.7	1	7440-32-6	TITANIUM	1020		0.409	1.08	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7429-90-5	ALUMINUM	10400		5.36	21.3	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7439-89-6	IRON	16900		5.02	21.3	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7439-93-2	LITHIUM	18.5		0.23	2.1	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7439-95-4	MAGNESIUM	4470		2.70	10.6	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7439-96-5	MANGANESE	255		0.0831	0.532	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7440-09-7	POTASSIUM	2610		19.2	53.2	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7440-24-6	STRONTIUM	45.6		0.0660	0.532	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7440-31-5	TIN	10.6	U	1.06	10.6	mg/kg	U	J	U	B, Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7440-42-8	BORON	4.76	J	0.948	5.32	mg/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7440-67-7	Zirconium	5.32	U	0.894	5.32	mg/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7440-70-2	CALCIUM	23900		6.53	21.3	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6010B	12/21/2010	NA	3050B	DE036	9.7	1	7723-14-0	PHOSPHORUS	403		0.596	10.6	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/28/2010	NA	3050B	DE036	9.7	2	7440-28-0	THALLIUM	0.188		0.0326	0.109	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7782-49-2	SELENIUM	0.144	J	0.0434	0.434	mg/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7439-98-7	MOLYBDENUM	0.694	J	0.0543	0.109	mg/kg	J		J	Q	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-39-3	BARIUM	100	J	0.117	0.434	mg/kg	J		J	E, *#	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7439-92-1	LEAD	50.6	J	0.0113	0.217	mg/kg	J		J	E, Q	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-02-0	NICKEL	15.1	J	0.109	0.434	mg/kg	J		J	E, Q	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-22-4	SILVER	0.147	J	0.0130	0.109	mg/kg	J		J	Q	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-36-0	ANTIMONY	0.191	J	0.0651	0.217	mg/kg	J	J	J	Q, E, Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-38-2	ARSENIC	6.15	J	0.0651	0.434	mg/kg	J		J	E, Q	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-41-7	BERYLLIUM	0.463	J	0.0174	0.109	mg/kg	J		J	E, Q	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-43-9	CADMIUM	0.902	J	0.0391	0.109	mg/kg	J		J	Q	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-47-3	CHROMIUM	23	J	0.130	0.434	mg/kg	J		J	Q	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-48-4	COBALT	6.94	J	0.0217	0.109	mg/kg	J		J	E, Q	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-50-8	COPPER	17.8	J	0.0717	0.434	mg/kg	J		J	E, Q	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-62-2	VANADIUM	41.3		0.0239	0.109	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	6020	12/26/2010	NA	3050B	DE036	9.7	2	7440-66-6	ZINC	174		0.608	3.26	mg/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	7199	1/5/2011		3060A	DE036	9.7	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.22	1.1	mg/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	7471A	12/20/2010	NA	METHOD	DE036	9.7	1	7439-97-6	MERCURY	0.038	J	0.0031	0.110	mg/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	1024-57-3	HEPTACHLOR EPOXIDE	1.2	U	1.2	1.2	ug/kg		U			MDL	PQL	6350748.472	1909821.312

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	1031-07-8	ENDOSULFAN SULFATE	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	2385-85-5	MIREX	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	309-00-2	ALDRIN	0.92	U	0.37	0.92	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	319-84-6	ALPHA-BHC	0.29	J	0.19	0.92	ug/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	319-85-7	BETA-BHC	0.92	U	0.33	0.92	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	319-86-8	DELTA-BHC	0.92	U	0.20	0.92	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	33213-65-9	ENDOSULFAN II	1.9	U	0.48	1.9	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	50-29-3	4,4'-DDT	8.5	U	8.5	8.5	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	53494-70-5	ENDRIN KETONE	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	57-74-9	Chlordane	19	U	4.4	19	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	58-89-9	gamma-BHC (Lindane)	0.92	U	0.19	0.92	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	60-57-1	DIELDRIN	1.9	U	1.3	1.9	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	72-20-8	ENDRIN	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	72-43-5	METHOXYCHLOR	9.2	U	1.9	9.2	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	72-54-8	4,4'-DDD	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	72-55-9	4,4'-DDE	1.9	U	0.43	1.9	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	7421-93-4	ENDRIN ALDEHYDE	1.9	U	0.92	1.9	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	76-44-8	HEPTACHLOR	0.92	U	0.33	0.92	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	8001-35-2	TOXAPHENE	37	U	12	37	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8081A	12/31/2010		3550B	DE036	9.7	5	959-98-8	ENDOSULFAN I	0.92	U	0.24	0.92	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	11096-82-5	AROCLOR 1260	19	U	3.7	19	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	11097-69-1	AROCLOR 1254	180		3.7	19	ug/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	11100-14-4	Aroclor 1268	19	U	3.7	19	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	11104-28-2	AROCLOR 1221	19	U	5.5	19	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	11126-42-4	Aroclor 5460	170	J	11	37	ug/kg	J		J	L	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	11141-16-5	AROCLOR 1232	19	U	5.8	19	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	12642-23-8	Aroclor 5442	37	UJ	11	37	ug/kg	UJ	U	UJ	L	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	12672-29-6	AROCLOR 1248	19	U	3.7	19	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	12674-11-2	AROCLOR 1016	19	U	3.7	19	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	37324-23-5	Aroclor 1262	19	U	3.7	19	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	53469-21-9	AROCLOR 1242	19	U	5.5	19	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8082	12/22/2010		3550B	DE036	9.7	10	63496-31-1	Aroclor 5432	37	UJ	11	37	ug/kg	UJ	U	UJ	L	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8151A	12/28/2010		3550B	DE036	9.7	1	120-36-5	DICHLOROPROP	1.9	U	0.89	1.9	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8151A	12/28/2010		3550B	DE036	9.7	1	1918-00-9	DICAMBA	1.3	U	0.44	1.3	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8151A	12/28/2010		3550B	DE036	9.7	1	75-99-0	DALAPON	10	U	4.9	10	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8151A	12/28/2010		3550B	DE036	9.7	1	88-85-7	DINOSEB	2.7	R	0.89	2.7	ug/kg	R	U	R	L	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8151A	12/28/2010		3550B	DE036	9.7	1	93-65-2	MCPP	280	U	83	280	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8151A	12/28/2010		3550B	DE036	9.7	1	93-72-1	2,4,5-TP (Silvex)	0.19	U	0.083	0.19	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8151A	12/28/2010		3550B	DE036	9.7	1	93-76-5	2,4,5-T	0.33	J	0.091	0.19	ug/kg	J		J	S	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8151A	12/28/2010		3550B	DE036	9.7	1	94-74-6	MCPA	340	U	340	340	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8151A	12/28/2010		3550B	DE036	9.7	1	94-75-7	2,4-D	4	U	2.0	4.0	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8151A	12/28/2010		3550B	DE036	9.7	1	94-82-6	2,4-DB	1.9	U	0.69	1.9	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	100-01-6	4-NITROANILINE	180	U	74	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	100-02-7	4-NITROPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	100-51-6	BENZYL ALCOHOL	550	U	180	550	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	105-67-9	2,4-DIMETHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	106-44-5	4-METHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	106-46-7	1,4-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	106-47-8	4-CHLOROANILINE	180	U	74	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	108-68-9	3,5-Dimethylphenol	180	U	37	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	108-95-2	PHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	110	J	18	370	ug/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	118-74-1	HEXACHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	120-82-1	1,2,4-TRICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	120-83-2	2,4-DICHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	121-14-2	2,4-DINITROTOLUENE	180	U	37	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	131-11-3	Dimethylphthalate	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	132-64-9	DIBENZOFURAN	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	51-28-5	2,4-DINITROPHENOL	2200	U	740	2200	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	541-73-1	1,3-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	59-50-7	4-CHLORO-3-METHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	606-20-2	2,6-DINITROTOLUENE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	62-53-3	ANILINE	550	U	180	550	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	65-85-0	BENZOIC ACID	550	U	180	550	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	67-72-1	HEXACHLOROETHANE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	180	U	37	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	550	U	180	550	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	78-59-1	ISOPHORONE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	84-66-2	Diethylphthalate	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	84-74-2	Di-n-butylphthalate	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	85-68-7	Butylbenzylphthalate	31	J	18	180	ug/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	86-30-6	N-NITROSODIPHENYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	86-74-8	CARBAZOLE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	87-68-3	HEXACHLOROBUTADIENE	180	U	74	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	87-86-5	PENTACHLOROPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	88-06-2	2,4,6-TRICHLOROPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	88-74-4	2-NITROANILINE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	88-75-5	2-NITROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	91-58-7	2-CHLORONAPHTHALENE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	91-94-1	3,3'-DICHLOROBENZIDINE	370	UJ	110	370	ug/kg	UJ	U	UJ	L	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	92-87-5	BENZIDINE	3700	U	1300	3700	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	95-48-7	2-METHYLPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	95-50-1	1,2-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	95-57-8	2-CHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	37	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	98-95-3	NITROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C	1/14/2011		3550B	DE036	9.7	1	99-09-2	3-NITROANILINE	180	U	37	180	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	117-84-0	Di-n-octylphthalate	97	J	66	200	ug/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	120-12-7	ANTHRACENE	4.4	J	3.7	18	ug/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	129-00-0	PYRENE	32		7.4	18	ug/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	191-24-2	BENZO(G,H,I)PERYLENE	18	U	7.4	18	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	193-39-5	INDENO(1,2,3-CD)PYRENE	18	U	7.4	18	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	205-99-2	BENZO(B)FLUORANTHENE	27		7.4	18	ug/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	206-44-0	FLUORANTHENE	47		7.4	18	ug/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	207-08-9	BENZO(K)FLUORANTHENE	18	U	7.4	18	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	208-96-8	ACENAPHTHYLENE	18	U	3.7	18	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	218-01-9	CHRYSENE	25		3.7	18	ug/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	50-32-8	BENZO(A)PYRENE	9.6	J	7.4	18	ug/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	53-70-3	DIBENZO(A,H)ANTHRACENE	18	U	7.4	18	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	56-55-3	BENZO(A)ANTHRACENE	9.6	J	7.4	18	ug/kg	J	J	J	Z	MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	62-75-9	N-NITROSODIMETHYLAMINE	18	U	7.4	18	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	83-32-9	ACENAPHTHENE	18	U	7.4	18	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	85-01-8	PHENANTHRENE	22		7.4	18	ug/kg					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	86-73-7	FLUORENE	18	U	7.4	18	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	90-12-0	1-METHYLNAPHTHALENE	18	U	7.4	18	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	91-20-3	NAPHTHALENE	18	U	7.4	18	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	8270C SIM	12/23/2010		3550B	DE036	9.7	10	91-57-6	2-METHYLNAPHTHALENE	18	U	7.4	18	ug/kg		U			MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	9045M	12/15/2010		Gen Prep	DE036	9.7	1	pH	PH	7.35		0.0100	0.0100	pH unit					MDL	PQL	6350748.472	1909821.312
SED-029-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163610	ASTM D1498	12/15/2010		Gen Prep	DE036	9.7	1	REDOX	Oxidation Reduction Potential	461		10.0	10.0	mv					MDL	PQL	6350748.472	1909821.312
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	160.3M	12/15/2010		Gen Prep	DX020	16.3	1	MOIST	MOISTURE	16.3		0.50	0.50	%					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	1746-01-6	2,3,7,8-TCDD	1.19	U	0.208	1.19	ng/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.836	J	0.284	5.97	ng/kg	J	JBQ	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	3268-87-9	OCDD	381		0.593	11.9	ng/kg		B			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	40.6		0.566	5.97	ng/kg		B			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	39001-02-0	OCDF	21.5		0.446	11.9	ng/kg		B			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.368	J	0.274	5.97	ng/kg	J	JBQ	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	40321-76-4	1,2,3,7,8-PECDD	5.97	U	0.254	5.97	ng/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	51207-31-9	2,3,7,8-TCDF	1.19	U	0.318	1.19	ng/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.97	U	0.518	5.97	ng/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	57117-31-4	2,3,4,7,8-PECDF	0.844	J	0.172	5.97	ng/kg	J	JB	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	57117-41-6	1,2,3,7,8-PECDF	1.71	J	0.170	5.97	ng/kg	J	JB	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.326	J	0.184	5.97	ng/kg	J	JBQ	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	57653-85-7	1,2,3,6,7,8-HXCDD	1.12	J	0.286	5.97	ng/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	60851-34-5	2,3,4,6,7,8-HXCDF	0.674	J	0.223	5.97	ng/kg	J	JB	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	7.35		0.297	5.97	ng/kg		BQ			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.523	J	0.234	5.97	ng/kg	J	JBQ	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163648	1613B	1/12/2011		METHOD	DX020	16.3	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.97	U	0.287	5.97	ng/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	300.0	1/4/2011		METHOD	DE036	16.3	1	16984-48-8	FLUORIDE	1.2	U	0.96	1.2	mg/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	314.0	12/30/2010		METHOD	DE036	16.3	1	14797-73-0	PERCHLORATE	35.8	U	10.8	35.8	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/24/2010	NA	3050B	DE036	16.3	1	7440-23-5	SODIUM	78.9	J	42.8	115	mg/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/22/2010	NA	3050B	DE036	16.3	1	7440-32-6	TITANIUM	1460		0.437	1.15	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7429-90-5	ALUMINUM	17700		5.78	23.0	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7439-89-6	IRON	26600		5.41	23.0	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7439-93-2	LITHIUM	28.8		0.25	2.3	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7439-95-4	MAGNESIUM	5770		2.92	11.5	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7439-96-5	MANGANESE	399		0.0896	0.574	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7440-09-7	POTASSIUM	5000		20.7	57.4	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7440-24-6	STRONTIUM	29.1		0.0712	0.574	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7440-31-5	TIN	11.5	U	1.15	11.5	mg/kg	U	J	U	B, Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7440-42-8	BORON	7.59		1.02	5.74	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7440-67-7	Zirconium	1.44	J	0.965	5.74	mg/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7440-70-2	CALCIUM	4700		7.04	23.0	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6010B	12/21/2010	NA	3050B	DE036	16.3	1	7723-14-0	PHOSPHORUS	700		0.643	11.5	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7782-49-2	SELENIUM	0.209	J	0.0478	0.478	mg/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7439-98-7	MOLYBDENUM	0.876	J	0.0597	0.119	mg/kg	J		J	Q	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-39-3	BARIUM	202	J	0.129	0.478	mg/kg	J		J	E, *#	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7439-92-1	LEAD	19.8	J	0.0124	0.239	mg/kg	J		J	E, Q	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-02-0	NICKEL	22.2	J	0.119	0.478	mg/kg	J		J	E, Q	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-22-4	SILVER	0.0806	J	0.0143	0.119	mg/kg	J	J	J	Q, Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-28-0	THALLIUM	0.394		0.0358	0.119	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-36-0	ANTIMONY	0.115	J	0.0717	0.239	mg/kg	J	J	J	Q, E, Z	MDL	PQL	6351148.032	1910003.94

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-38-2	ARSENIC	7.83	J	0.0717	0.478	mg/kg	J		J	E, Q	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-41-7	BERYLLIUM	0.785	J	0.0191	0.119	mg/kg	J		J	E, Q	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-43-9	CADMIUM	0.461	J	0.0430	0.119	mg/kg	J		J	Q	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-47-3	CHROMIUM	33.4	J	0.143	0.478	mg/kg	J		J	Q	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-48-4	COBALT	9.86	J	0.0239	0.119	mg/kg	J		J	E, Q	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-50-8	COPPER	18.1	J	0.0789	0.478	mg/kg	J		J	E, Q	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-62-2	VANADIUM	56.4		0.0263	0.119	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	6020	12/26/2010	NA	3050B	DE036	16.3	2	7440-66-6	ZINC	122		0.669	3.58	mg/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	7199	1/5/2011		3060A	DE036	16.3	1	18540-29-9	HEXAVALENT CHROMIUM	0.7	J	0.24	1.2	mg/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	7471A	12/20/2010	NA	METHOD	DE036	16.3	1	7439-97-6	MERCURY	0.0222	J	0.0032	0.113	mg/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	1024-57-3	HEPTACHLOR EPOXIDE	0.28	U	0.28	0.28	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	1031-07-8	ENDOSULFAN SULFATE	0.41	U	0.079	0.41	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	2385-85-5	MIREX	0.41	U	0.15	0.41	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	309-00-2	ALDRIN	0.2	U	0.079	0.20	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	319-84-6	ALPHA-BHC	0.2	U	0.050	0.20	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	319-85-7	BETA-BHC	0.54		0.072	0.20	ug/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	319-86-8	DELTA-BHC	0.2	U	0.043	0.20	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	33213-65-9	ENDOSULFAN II	0.41	U	0.37	0.41	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	50-29-3	4,4'-DDT	2.6	U	2.6	2.6	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	53494-70-5	ENDRIN KETONE	0.41	U	0.35	0.41	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	57-74-9	Chlordane	4.7	U	4.7	4.7	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	58-89-9	gamma-BHC (Lindane)	0.2	U	0.062	0.20	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	60-57-1	DIELDRIN	0.44	U	0.44	0.44	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	72-20-8	ENDRIN	0.41	U	0.079	0.41	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	72-43-5	METHOXYCHLOR	2	U	0.41	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	72-54-8	4,4'-DDD	1.9	U	1.9	1.9	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	72-55-9	4,4'-DDE	1.1	U	1.1	1.1	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	7421-93-4	ENDRIN ALDEHYDE	0.61	U	0.61	0.61	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	76-44-8	HEPTACHLOR	0.2	U	0.072	0.20	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	8001-35-2	TOXAPHENE	7.9	U	2.6	7.9	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8081A	12/31/2010		3550B	DE036	16.3	1	959-98-8	ENDOSULFAN I	0.2	U	0.053	0.20	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	11096-82-5	AROCLOR 1260	5.6		0.79	4.1	ug/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	11097-69-1	AROCLOR 1254	6.3		0.79	4.1	ug/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	11100-14-4	Aroclor 1268	4.1	U	0.79	4.1	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	11104-28-2	AROCLOR 1221	4.1	U	1.2	4.1	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	11126-42-4	Aroclor 5460	6.7	J	2.4	7.9	ug/kg	J	J	J	L, Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	11141-16-5	AROCLOR 1232	4.1	U	1.2	4.1	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	12642-23-8	Aroclor 5442	7.9	UJ	2.4	7.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	12672-29-6	AROCLOR 1248	4.1	U	0.79	4.1	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	12674-11-2	AROCLOR 1016	4.1	U	0.79	4.1	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	37324-23-5	Aroclor 1262	4.1	U	0.79	4.1	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	53469-21-9	AROCLOR 1242	4.1	U	1.2	4.1	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8082	12/22/2010		3550B	DE036	16.3	2	63496-31-1	Aroclor 5432	7.9	UJ	2.4	7.9	ug/kg	UJ	U	UJ	L	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8151A	12/28/2010		3550B	DE036	16.3	1	120-36-5	DICHLOROPROP	2	U	0.96	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8151A	12/28/2010		3550B	DE036	16.3	1	1918-00-9	DICAMBA	0.78	J	0.48	1.4	ug/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8151A	12/28/2010		3550B	DE036	16.3	1	75-99-0	DALAPON	11	U	5.3	11	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8151A	12/28/2010		3550B	DE036	16.3	1	88-85-7	DINOSEB	2.9	R	0.96	2.9	ug/kg	R	U	R	L	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8151A	12/28/2010		3550B	DE036	16.3	1	93-65-2	MCPP	300	U	90	300	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8151A	12/28/2010		3550B	DE036	16.3	1	93-72-1	2,4,5-TP (Silvex)	0.2	U	0.090	0.20	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8151A	12/28/2010		3550B	DE036	16.3	1	93-76-5	2,4,5-T	0.2	U	0.098	0.20	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8151A	12/28/2010		3550B	DE036	16.3	1	94-74-6	MCPA	500	U	500	500	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8151A	12/28/2010		3550B	DE036	16.3	1	94-75-7	2,4-D	3	J	1.4	4.3	ug/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8151A	12/28/2010		3550B	DE036	16.3	1	94-82-6	2,4-DB	12	U	12	12	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	100-01-6	4-NITROANILINE	200	U	80	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	100-02-7	4-NITROPHENOL	600	U	200	600	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	100-51-6	BENZYL ALCOHOL	600	U	200	600	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	105-67-9	2,4-DIMETHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	106-44-5	4-METHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	106-46-7	1,4-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	106-47-8	4-CHLOROANILINE	200	U	80	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	108-68-9	3,5-Dimethylphenol	200	U	40	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	108-95-2	PHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	56	J	20	400	ug/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	118-74-1	HEXACHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	120-82-1	1,2,4-TRICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	120-83-2	2,4-DICHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	121-14-2	2,4-DINITROTOLUENE	200	U	40	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	132-64-9	DIBENZOFURAN	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	51-28-5	2,4-DINITROPHENOL	2400	U	800	2400	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	600	U	200	600	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	541-73-1	1,3-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	59-50-7	4-CHLORO-3-METHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	606-20-2	2,6-DINITROTOLUENE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	62-53-3	ANILINE	600	U	200	600	ug/kg		U			MDL	PQL	6351148.032	1910003.94

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	65-85-0	BENZOIC ACID	600	U	200	600	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	67-72-1	HEXACHLOROETHANE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	200	U	40	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	600	U	200	600	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	78-59-1	ISOPHORONE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	86-30-6	N-NITROSODIPHENYLAMINE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	86-74-8	CARBAZOLE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	87-68-3	HEXACHLOROBUTADIENE	200	U	80	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	87-86-5	PENTACHLOROPHENOL	600	U	200	600	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	88-06-2	2,4,6-TRICHLOROPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	88-74-4	2-NITROANILINE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	88-75-5	2-NITROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	91-58-7	2-CHLORONAPHTHALENE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	91-94-1	3,3'-DICHLOROBENZIDINE	400	UJ	120	400	ug/kg	UJ	U	UJ	L	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	92-87-5	BENZIDINE	4000	U	1400	4000	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	95-48-7	2-METHYLPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	95-50-1	1,2-DICHLOROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	95-57-8	2-CHLOROPHENOL	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	95-95-4	2,4,5-TRICHLOROPHENOL	200	U	40	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	98-95-3	NITROBENZENE	200	U	20	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C	1/14/2011		3550B	DE036	16.3	1	99-09-2	3-NITROANILINE	200	U	40	200	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	117-84-0	Di-n-octylphthalate	22	U	7.2	22	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	120-12-7	ANTHRACENE	2	U	0.40	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	129-00-0	PYRENE	1.2	J	0.80	2.0	ug/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	131-11-3	Dimethylphthalate	22	U	7.2	22	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	191-24-2	BENZO(G,H,I)PERYLENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	205-99-2	BENZO(B)FLUORANTHENE	2		0.80	2.0	ug/kg					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	206-44-0	FLUORANTHENE	1.4	J	0.80	2.0	ug/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	207-08-9	BENZO(K)FLUORANTHENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	208-96-8	ACENAPHTHYLENE	2	U	0.40	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	218-01-9	CHRYSENE	1.6	J	0.40	2.0	ug/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	50-32-8	BENZO(A)PYRENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	56-55-3	BENZO(A)ANTHRACENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	62-75-9	N-NITROSODIMETHYLAMINE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	83-32-9	ACENAPHTHENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	84-66-2	Diethylphthalate	22	U	7.2	22	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	84-74-2	Di-n-butylphthalate	7.3	J	7.2	22	ug/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	85-01-8	PHENANTHRENE	0.89	J	0.80	2.0	ug/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	85-68-7	Butylbenzylphthalate	22	U	7.2	22	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	86-73-7	FLUORENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	90-12-0	1-METHYLNAPHTHALENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	91-20-3	NAPHTHALENE	0.83	J	0.80	2.0	ug/kg	J	J	J	Z	MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	8270C SIM	12/23/2010		3550B	DE036	16.3	1	91-57-6	2-METHYLNAPHTHALENE	2	U	0.80	2.0	ug/kg		U			MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	9045M	12/15/2010		Gen Prep	DE036	16.3	1	pH	PH	7.22		0.0100	0.0100	pH unit					MDL	PQL	6351148.032	1910003.94
SED-030-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163612	ASTM D1498	12/15/2010		Gen Prep	DE036	16.3	1	REDOX	Oxidation Reduction Potential	489		10.0	10.0	mv					MDL	PQL	6351148.032	1910003.94
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	160.3M	12/15/2010		Gen Prep	DX020	10	1	MOIST	MOISTURE	10		0.50	0.50	%					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	1746-01-6	2,3,7,8-TCDD	0.0302	J	0.0237	1.11	ng/kg	J	JQ	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	19408-74-3	1,2,3,7,8,9-HXCDD	1.18	J	0.0388	5.56	ng/kg	J	JB	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	3268-87-9	OCDD	1310		0.103	11.1	ng/kg		B			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	103		0.0878	5.56	ng/kg		B			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	39001-02-0	OCDF	99.4		0.0466	11.1	ng/kg		B			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.578	J	0.0416	5.56	ng/kg	J	JB	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	40321-76-4	1,2,3,7,8-PECDD	0.385	J	0.0470	5.56	ng/kg	J	JB	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	51207-31-9	2,3,7,8-TCDF	0.331	J	0.0571	1.11	ng/kg	J	JQ	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	1.07	J	0.0770	5.56	ng/kg	J	JB	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	57117-31-4	2,3,4,7,8-PECDF	0.812	J	0.0292	5.56	ng/kg	J	JB	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	57117-41-6	1,2,3,7,8-PECDF	1.21	J	0.0304	5.56	ng/kg	J	JB	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.541	J	0.0277	5.56	ng/kg	J	JB	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	57653-85-7	1,2,3,6,7,8-HXCDD	3.05	J	0.0390	5.56	ng/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	60851-34-5	2,3,4,6,7,8-HXCDF	0.768	J	0.0317	5.56	ng/kg	J	JB	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	22.8		0.0481	5.56	ng/kg		B			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.593	J	0.0306	5.56	ng/kg	J	JB	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163647	1613B	1/5/2011		METHOD	DX020	10	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.56	U	0.0354	5.56	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	300.0	1/4/2011		METHOD	DE036	10	1	16984-48-8	FLUORIDE	1.4		0.89	1.1	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	314.0	12/30/2010		METHOD	DE036	10	1	14797-73-0	PERCHLORATE	33.3	U	10	33.3	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/24/2010	NA	3050B	DE036	10	1	7440-23-5	SODIUM	54.3	J	39.9	107	mg/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/22/2010	NA	3050B	DE036	10	1	7440-32-6	TITANIUM	1200		0.406	1.07	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7429-90-5	ALUMINUM	10300		5.37	21.4	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7439-89-6	IRON	17000		5.03	21.4	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7439-93-2	LITHIUM	19.5		0.24	2.1	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7439-95-4	MAGNESIUM	3910		2.71	10.7	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7439-96-5	MANGANESE	234		0.0833	0.534	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7440-09-7	POTASSIUM	2850		19.2	53.4	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7440-24-6	STRONTIUM	16.1		0.0662	0.534	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7440-31-5	TIN	10.7	U	1.07	10.7	mg/kg	U	J	U	B, Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7440-42-8	BORON	6.11		0.951	5.34	mg/kg					MDL	PQL	6351530.799	1910430.32

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7440-67-7	Zirconium	0.92	J	0.897	5.34	mg/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7440-70-2	CALCIUM	3000		6.55	21.4	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6010B	12/21/2010	NA	3050B	DE036	10	1	7723-14-0	PHOSPHORUS	374		0.598	10.7	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7782-49-2	SELENIUM	0.151	J	0.0440	0.440	mg/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7439-98-7	MOLYBDENUM	0.584	J	0.0550	0.110	mg/kg	J		J	Q	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-39-3	BARIUM	112	J	0.119	0.440	mg/kg	J		J	E, *#	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7439-92-1	LEAD	20.2	J	0.0114	0.220	mg/kg	J		J	E, Q	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-02-0	NICKEL	15.1	J	0.110	0.440	mg/kg	J		J	E, Q	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-22-4	SILVER	0.0557	J	0.0132	0.110	mg/kg	J	J	J	Q, Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-28-0	THALLIUM	0.302		0.0330	0.110	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-36-0	ANTIMONY	0.22	R	0.0660	0.220	mg/kg	R	U	R	Q, E	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-38-2	ARSENIC	5.9	J	0.0660	0.440	mg/kg	J		J	E, Q	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-41-7	BERYLLIUM	0.546	J	0.0176	0.110	mg/kg	J		J	E, Q	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-43-9	CADMIUM	0.255	J	0.0396	0.110	mg/kg	J		J	Q	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-47-3	CHROMIUM	25.1	J	0.132	0.440	mg/kg	J		J	Q	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-48-4	COBALT	7.18	J	0.0220	0.110	mg/kg	J		J	E, Q	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-50-8	COPPER	12.7	J	0.0726	0.440	mg/kg	J		J	E, Q	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-62-2	VANADIUM	44.2		0.0242	0.110	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	6020	12/26/2010	NA	3050B	DE036	10	2	7440-66-6	ZINC	89.1		0.616	3.30	mg/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	7199	1/5/2011		3060A	DE036	10	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.22	1.1	mg/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	7471A	12/20/2010	NA	METHOD	DE036	10	1	7439-97-6	MERCURY	0.0049	J	0.0030	0.105	mg/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	1024-57-3	HEPTACHLOR EPOXIDE	0.18	U	0.11	0.18	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	1031-07-8	ENDOSULFAN SULFATE	0.38	U	0.073	0.38	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	2385-85-5	MIREX	0.38	U	0.24	0.38	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	309-00-2	ALDRIN	0.18	U	0.073	0.18	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	319-84-6	ALPHA-BHC	0.18	U	0.038	0.18	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	319-85-7	BETA-BHC	0.18	U	0.13	0.18	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	319-86-8	DELTA-BHC	0.18	U	0.10	0.18	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	33213-65-9	ENDOSULFAN II	0.38	U	0.19	0.38	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	50-29-3	4,4'-DDT	2.3	U	2.3	2.3	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	53494-70-5	ENDRIN KETONE	0.38	U	0.17	0.38	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	57-74-9	Chlordane	3.8	U	2.4	3.8	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	58-89-9	gamma-BHC (Lindane)	0.18	U	0.051	0.18	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	60-57-1	DIELDRIN	0.38	U	0.28	0.38	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	72-20-8	ENDRIN	0.38	U	0.073	0.38	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	72-43-5	METHOXYCHLOR	1.8	U	0.93	1.8	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	72-54-8	4,4'-DDD	0.38	U	0.073	0.38	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	72-55-9	4,4'-DDE	1.1	U	1.1	1.1	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	7421-93-4	ENDRIN ALDEHYDE	0.38	U	0.073	0.38	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	76-44-8	HEPTACHLOR	0.18	U	0.067	0.18	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	8001-35-2	TOXAPHENE	7.3	U	2.4	7.3	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8081A	12/31/2010		3550B	DE036	10	1	959-98-8	ENDOSULFAN I	0.18	U	0.049	0.18	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	11096-82-5	AROCLOR 1260	5.3	J	1.8	9.4	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	11097-69-1	AROCLOR 1254	8.4	J	1.8	9.4	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	11100-14-4	Aroclor 1268	9.4	U	1.8	9.4	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	11104-28-2	AROCLOR 1221	9.4	U	2.8	9.4	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	11126-42-4	Aroclor 5460	9.3	J	5.6	18	ug/kg	J	J	J	L, Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	11141-16-5	AROCLOR 1232	9.4	U	2.9	9.4	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	12642-23-8	Aroclor 5442	18	UJ	5.6	18	ug/kg	UJ	U	UJ	L	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	12672-29-6	AROCLOR 1248	9.4	U	1.8	9.4	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	12674-11-2	AROCLOR 1016	9.4	U	1.8	9.4	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	37324-23-5	Aroclor 1262	9.4	U	1.8	9.4	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	53469-21-9	AROCLOR 1242	9.4	U	2.8	9.4	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8082	12/22/2010		3550B	DE036	10	5	63496-31-1	Aroclor 5432	18	UJ	5.6	18	ug/kg	UJ	U	UJ	L	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8151A	12/28/2010		3550B	DE036	10	1	120-36-5	DICHLOROPROP	1.9	U	0.89	1.9	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8151A	12/28/2010		3550B	DE036	10	1	1918-00-9	DICAMBA	0.69	J	0.44	1.3	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8151A	12/28/2010		3550B	DE036	10	1	75-99-0	DALAPON	10	U	4.9	10	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8151A	12/28/2010		3550B	DE036	10	1	88-85-7	DINOSEB	2.7	R	0.89	2.7	ug/kg	R	U	R	L	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8151A	12/28/2010		3550B	DE036	10	1	93-65-2	MCPP	280	U	83	280	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8151A	12/28/2010		3550B	DE036	10	1	93-72-1	2,4,5-TP (Silvex)	0.19	U	0.083	0.19	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8151A	12/28/2010		3550B	DE036	10	1	93-76-5	2,4,5-T	0.19	U	0.091	0.19	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8151A	12/28/2010		3550B	DE036	10	1	94-74-6	MCPA	280	U	84	280	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8151A	12/28/2010		3550B	DE036	10	1	94-75-7	2,4-D	4	U	1.3	4.0	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8151A	12/28/2010		3550B	DE036	10	1	94-82-6	2,4-DB	16	U	16	16	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	100-01-6	4-NITROANILINE	190	U	74	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	100-02-7	4-NITROPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	100-51-6	BENZYL ALCOHOL	560	U	190	560	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	106-44-5	4-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	106-47-8	4-CHLOROANILINE	190	U	74	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	108-68-9	3,5-Dimethylphenol	190	U	37	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	38	J	19	370	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	121-14-2	2,4-DINITROTOLUENE	190	U	37	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	51-28-5	2,4-DINITROPHENOL	2200	U	740	2200	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	62-53-3	ANILINE	560	U	190	560	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	65-85-0	BENZOIC ACID	560	U	190	560	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	37	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	560	U	190	560	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	86-74-8	CARBAZOLE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	87-68-3	HEXACHLOROBUTADIENE	190	U	74	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	87-86-5	PENTACHLOROPHENOL	560	U	190	560	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	91-94-1	3,3'-DICHLOROBENZIDINE	370	UJ	110	370	ug/kg	UJ	U	UJ	L	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	92-87-5	BENZIDINE	3700	U	1300	3700	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	95-48-7	2-METHYLPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	37	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C	1/14/2011		3550B	DE036	10	1	99-09-2	3-NITROANILINE	190	U	37	190	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	117-84-0	Di-n-octylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	120-12-7	ANTHRACENE	0.43	J	0.37	1.9	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	129-00-0	PYRENE	2.3		0.74	1.9	ug/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	131-11-3	Dimethylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	191-24-2	BENZO(G,H,I)PERYLENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	205-99-2	BENZO(B)FLUORANTHENE	2.7		0.74	1.9	ug/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	206-44-0	FLUORANTHENE	3		0.74	1.9	ug/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	207-08-9	BENZO(K)FLUORANTHENE	0.85	J	0.74	1.9	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.37	1.9	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	218-01-9	CHRYSENE	2.2		0.37	1.9	ug/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	50-32-8	BENZO(A)PYRENE	1.1	J	0.74	1.9	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	56-55-3	BENZO(A)ANTHRACENE	0.99	J	0.74	1.9	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	83-32-9	ACENAPHTHENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	84-66-2	Diethylphthalate	20	U	6.7	20	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	84-74-2	Di-n-butylphthalate	13	J	6.7	20	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	85-01-8	PHENANTHRENE	1.6	J	0.74	1.9	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	85-68-7	Butylbenzylphthalate	7.2	J	6.7	20	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	86-73-7	FLUORENE	2		0.74	1.9	ug/kg					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	90-12-0	1-METHYLNAPHTHALENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	91-20-3	NAPHTHALENE	1.1	J	0.74	1.9	ug/kg	J	J	J	Z	MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	8270C SIM	12/23/2010		3550B	DE036	10	1	91-57-6	2-METHYLNAPHTHALENE	1.9	U	0.74	1.9	ug/kg		U			MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	9045M	12/15/2010		Gen Prep	DE036	10	1	pH	PH	6.92		0.0100	0.0100	pH unit					MDL	PQL	6351530.799	1910430.32
SED-031-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163611	ASTM D1498	12/15/2010		Gen Prep	DE036	10	1	REDOX	Oxidation Reduction Potential	480		10.0	10.0	mv					MDL	PQL	6351530.799	1910430.32
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	160.3M	12/15/2010		Gen Prep	DX021	12.6	1	MOIST	MOISTURE	12.6		0.50	0.50	%					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	1746-01-6	2,3,7,8-TCDD	0.228		0.0289	1.14	ng/kg		JB			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	19408-74-3	1,2,3,7,8,9-HXCDD	3.68		0.0344	5.72	ng/kg		JB			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	3268-87-9	OCDD	982		0.0714	11.4	ng/kg		B			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	86.8		0.0896	5.72	ng/kg		B			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	39001-02-0	OCDF	43.1	U	0.0261	43.1	ng/kg	U	B	U	B, Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	39227-28-6	1,2,3,4,7,8-HxCDD	5.72	U	0.0334	5.72	ng/kg	U	JB	U	B, Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	40321-76-4	1,2,3,7,8-PECDD	1.4	J	0.0530	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	51207-31-9	2,3,7,8-TCDF	0.556	J	0.0564	1.14	ng/kg	J	JBQ	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	1.13	J	0.0370	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	57117-31-4	2,3,4,7,8-PECDF	5.72	U	0.0214	5.72	ng/kg	U	JB	U	B, Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	57117-41-6	1,2,3,7,8-PECDF	5.72	U	0.0222	5.72	ng/kg	U	JB	U	B, Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.72	U	0.0270	5.72	ng/kg	U	JB	U	B, Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	57653-85-7	1,2,3,6,7,8-HXCDD	4.48	J	0.0348	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	60851-34-5	2,3,4,6,7,8-HXCDF	1.46		0.0289	5.72	ng/kg		JB			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	14.6	J	0.0268	5.72	ng/kg	J	B	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.72	U	0.0302	5.72	ng/kg	U	JB	U	B, Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163912	1613B	1/15/2011		METHOD	DX021	12.6	1	72918-21-9	1,2,3,7,8,9-HXCDF	0.369		0.0360	5.72	ng/kg		JB			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	300.0	1/5/2011		METHOD	DE037	12.6	1	16984-48-8	FLUORIDE	1.7		0.92	1.1	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	314.0	1/4/2011		METHOD	DE037	12.6	1	14797-73-0	PERCHLORATE	34.3	U	10.3	34.3	ug/kg		U			MDL	PQL	6351734.19	1910322.578

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/22/2010	NA	3050B	DE037	12.6	2	7440-32-6	TITANIUM	1030		0.853	2.24	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7429-90-5	ALUMINUM	10300		5.64	22.4	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7439-89-6	IRON	17800		5.28	22.4	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7439-93-2	LITHIUM	19.4		0.25	2.2	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7439-95-4	MAGNESIUM	4130		2.85	11.2	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7439-96-5	MANGANESE	254		0.0875	0.561	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7440-09-7	POTASSIUM	2790	J	20.2	56.1	mg/kg	J		J	Q	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7440-23-5	SODIUM	78.8	J	41.8	112	mg/kg	J	J	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7440-24-6	STRONTIUM	18.3		0.0695	0.561	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7440-31-5	TIN	11.2	U	1.12	11.2	mg/kg	U	J	U	B, Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7440-42-8	BORON	4.97	J	0.998	5.61	mg/kg	J	J	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7440-67-7	Zirconium	1.22	J	0.942	5.61	mg/kg	J	J	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7440-70-2	CALCIUM	3360		6.88	22.4	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6010B	12/20/2010	NA	3050B	DE037	12.6	1	7723-14-0	PHOSPHORUS	386	J	0.628	11.2	mg/kg	J		J	Q	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/24/2010	NA	3050B	DE037	12.6	2	7440-43-9	CADMIUM	0.249	J	0.0404	0.112	mg/kg	J		J	Q	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/26/2010	NA	3050B	DE037	12.6	5	7439-92-1	LEAD	25	J	0.0292	0.561	mg/kg	J		J	Q, *#	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7782-49-2	SELENIUM	0.168	J	0.0449	0.449	mg/kg	J	J	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7439-98-7	MOLYBDENUM	0.707	J	0.0561	0.112	mg/kg	J		J	Q	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-39-3	BARIUM	112	J	0.121	0.449	mg/kg	J		J	*#	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-02-0	NICKEL	17.6		0.112	0.449	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-22-4	SILVER	1.39	J	0.0135	0.112	mg/kg	J		J	Q	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-28-0	THALLIUM	0.298		0.0337	0.112	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-36-0	ANTIMONY	0.192	J	0.0673	0.224	mg/kg	J	J	J	Q, Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-38-2	ARSENIC	8.28	J	0.0673	0.449	mg/kg	J		J	Q	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-41-7	BERYLLIUM	0.616		0.0179	0.112	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-47-3	CHROMIUM	25.4		0.135	0.449	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-48-4	COBALT	6.3		0.0224	0.112	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-50-8	COPPER	13.1		0.0740	0.449	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-62-2	VANADIUM	42.8		0.0247	0.112	mg/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6020	12/23/2010	NA	3050B	DE037	12.6	2	7440-66-6	ZINC	109	J	0.628	3.37	mg/kg	J		J	*#	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	6850	12/20/2010		METHOD	DE037	12.6	1	14797-73-0	PERCHLORATE	5.7	U	2.4	5.7	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	7199	1/4/2011	NA	3060A	DE037	12.6	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.23	1.1	mg/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	7471A	12/20/2010	NA	METHOD	DE037	12.6	1	7439-97-6	MERCURY	0.0148	J	0.0032	0.111	mg/kg	J	J	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	1024-57-3	HEPTACHLOR EPOXIDE	0.33	U	0.33	0.33	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	1031-07-8	ENDOSULFAN SULFATE	0.76	U	0.76	0.76	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	2385-85-5	MIREX	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	309-00-2	ALDRIN	0.19	U	0.079	0.19	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	319-84-6	ALPHA-BHC	0.19	U	0.039	0.19	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	319-85-7	BETA-BHC	0.35	J	0.069	0.19	ug/kg	J		J	S	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	319-86-8	DELTA-BHC	0.19	J	0.041	0.19	ug/kg	J		J	S	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	33213-65-9	ENDOSULFAN II	0.39	U	0.32	0.39	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	50-29-3	4,4'-DDT	2.4	U	2.4	2.4	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	53494-70-5	ENDRIN KETONE	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	57-74-9	Chlordane	5	U	5.0	5.0	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	58-89-9	gamma-BHC (Lindane)	0.19	U	0.039	0.19	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	60-57-1	DIELDRIN	0.47	U	0.47	0.47	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	72-20-8	ENDRIN	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	72-43-5	METHOXYCHLOR	1.9	U	0.39	1.9	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	72-54-8	4,4'-DDD	2.4	U	2.4	2.4	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	72-55-9	4,4'-DDE	1.3	U	1.3	1.3	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	7421-93-4	ENDRIN ALDEHYDE	0.62	U	0.62	0.62	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	76-44-8	HEPTACHLOR	0.19	U	0.084	0.19	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	8001-35-2	TOXAPHENE	7.6	U	2.5	7.6	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8081A	1/6/2011		3550B	DE037	12.6	1	959-98-8	ENDOSULFAN I	0.19	U	0.11	0.19	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	11096-82-5	AROCLOR 1260	9.5		0.76	3.9	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	11097-69-1	AROCLOR 1254	18		0.76	3.9	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	11100-14-4	Aroclor 1268	3.9	U	0.76	3.9	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	11104-28-2	AROCLOR 1221	3.9	U	1.1	3.9	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	11126-42-4	Aroclor 5460	8.5		2.3	7.6	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	11141-16-5	AROCLOR 1232	3.9	U	1.2	3.9	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	12642-23-8	Aroclor 5442	7.6	U	2.3	7.6	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	12672-29-6	AROCLOR 1248	3.9	U	0.76	3.9	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	12674-11-2	AROCLOR 1016	3.9	U	0.76	3.9	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	37324-23-5	Aroclor 1262	3.9	U	0.76	3.9	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	53469-21-9	AROCLOR 1242	3.9	U	1.1	3.9	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8082	12/23/2010		3550B	DE037	12.6	2	63496-31-1	Aroclor 5432	7.6	U	2.3	7.6	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8151A	12/21/2010		3550B	DE037	12.6	1	120-36-5	DICHLOROPROP	1.9	U	0.92	1.9	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8151A	12/21/2010		3550B	DE037	12.6	1	1918-00-9	DICAMBA	1.4	U	0.46	1.4	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8151A	12/21/2010		3550B	DE037	12.6	1	75-99-0	DALAPON	10	U	5.0	10	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8151A	12/21/2010		3550B	DE037	12.6	1	88-85-7	DINOSEB	2.7	R	0.92	2.7	ug/kg	R	U	R	L	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8151A	12/21/2010		3550B	DE037	12.6	1	93-65-2	MCPP	290	U	250	290	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8151A	12/21/2010		3550B	DE037	12.6	1	93-72-1	2,4,5-TP (Silvex)	0.19	U	0.086	0.19	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8151A	12/21/2010		3550B	DE037	12.6	1	93-76-5	2,4,5-T	0.19	U	0.094	0.19	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8151A	12/21/2010		3550B	DE037	12.6	1	94-74-6	MCPA	1100	U	1100	1100	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8151A	12/21/2010		3550B	DE037	12.6	1	94-75-7	2,4-D	4.1	U	1.4	4.1	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8151A	12/21/2010		3550B	DE037	12.6	1	94-82-6	2,4-DB	30	U	30	30	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	100-01-6	4-NITROANILINE	190	U	76	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	100-02-7	4-NITROPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	100-51-6	BENZYL ALCOHOL	570	U	190	570	ug/kg		U			MDL	PQL	6351734.19	1910322.578

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	106-44-5	4-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	106-47-8	4-CHLOROANILINE	190	U	76	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	108-68-9	3,5-Dimethylphenol	190	U	38	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	120-12-7	ANTHRACENE	37	J	19	190	ug/kg	J	J	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	121-14-2	2,4-DINITROTOLUENE	190	U	38	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	129-00-0	PYRENE	540		19	190	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	191-24-2	BENZO(G,H,I)PERYLENE	500		19	190	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	193-39-5	INDENO(1,2,3-CD)PYRENE	420		19	190	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	205-99-2	BENZO(B)FLUORANTHENE	680		19	190	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	206-44-0	FLUORANTHENE	420		19	190	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	207-08-9	BENZO(K)FLUORANTHENE	280		19	190	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	218-01-9	CHRYSENE	490		19	190	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	50-32-8	BENZO(A)PYRENE	650		19	190	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	51-28-5	2,4-DINITROPHENOL	2300	U	760	2300	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	53-70-3	DIBENZO(A,H)ANTHRACENE	120	J	19	190	ug/kg	J	J	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	56-55-3	BENZO(A)ANTHRACENE	400		19	190	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	62-53-3	ANILINE	570	U	190	570	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	65-85-0	BENZOIC ACID	570	U	190	570	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	38	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	570	U	190	570	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	83-32-9	ACENAPHTHENE	43	J	19	190	ug/kg	J	J	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	85-01-8	PHENANTHRENE	110	J	19	190	ug/kg	J	J	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	86-74-8	CARBAZOLE	24	J	19	190	ug/kg	J	J	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	87-68-3	HEXACHLOROBUTADIENE	190	U	76	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	87-86-5	PENTACHLOROPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	91-94-1	3,3'-DICHLOROBENZIDINE	380	U	110	380	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	92-87-5	BENZIDINE	3800	U	1300	3800	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	95-48-7	2-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C	1/4/2011		3550B	DE037	12.6	1	99-09-2	3-NITROANILINE	190	U	38	190	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	30	U	6.9	30	ug/kg	U		U	B	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	117-84-0	Di-n-octylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	131-11-3	Dimethylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	208-96-8	ACENAPHTHYLENE	0.49	J	0.38	1.9	ug/kg	J	J	J	Z	MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	84-66-2	Diethylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	84-74-2	Di-n-butylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	85-68-7	Butylbenzylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	86-73-7	FLUORENE	2		0.76	1.9	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	90-12-0	1-METHYLNAPHTHALENE	1.9		0.76	1.9	ug/kg		J			MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	91-20-3	NAPHTHALENE	6.3		0.76	1.9	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	8270C SIM	12/30/2010		3550B	DE037	12.6	1	91-57-6	2-METHYLNAPHTHALENE	2.4		0.76	1.9	ug/kg					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	9045M	12/16/2010		Gen Prep	DE037	12.6	1	pH	PH	8.48		0.0100	0.0100	pH unit					MDL	PQL	6351734.19	1910322.578
SED-032-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163887	ASTM D1498	12/16/2010		Gen Prep	DE037	12.6	1	REDOX	Oxidation Reduction Potential	435		10.0	10.0	mv					MDL	PQL	6351734.19	1910322.578
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	160.3M	12/15/2010		Gen Prep	DX021	5.8	1	MOIST	MOISTURE	5.8	U	0.50	5.8	%	U		U	B, Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	1746-01-6	2,3,7,8-TCDD	0.103		0.0315	1.06	ng/kg		JBQ			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	19408-74-3	1,2,3,7,8,9-HXCDD	2.01		0.0350	5.31	ng/kg		JB			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	3268-87-9	OCDD	407		0.0720	10.6	ng/kg		B			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	45.6		0.0756	5.31	ng/kg		B			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	39001-02-0	OCDF	20.7	U	0.0351	20.7	ng/kg	U	B	U	B, Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	39227-28-6	1,2,3,4,7,8-HxCDD	5.31	U	0.0339	5.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	40321-76-4	1,2,3,7,8-PECDD	0.874	J	0.0525	5.31	ng/kg	J	JBQ	J	Z	MDL	PQL	6351601.325	1910066.411

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	51207-31-9	2,3,7,8-TCDF	0.227	J	0.0502	1.06	ng/kg	J	JB	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	0.643	J	0.0398	5.31	ng/kg	J	JB	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	57117-31-4	2,3,4,7,8-PECDF	5.31	U	0.0228	5.31	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	57117-41-6	1,2,3,7,8-PECDF	5.31	U	0.0242	5.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.31	U	0.0274	5.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	57653-85-7	1,2,3,6,7,8-HXCDD	5.31	U	0.0356	5.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	60851-34-5	2,3,4,6,7,8-HXCDF	1.07		0.0290	5.31	ng/kg		JB			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	9.94	J	0.0299	5.31	ng/kg	J	B	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.31	U	0.0300	5.31	ng/kg	U	JB	U	B, Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163913	1613B	1/15/2011		METHOD	DX021	5.8	1	72918-21-9	1,2,3,7,8,9-HXCDF	0.217		0.0343	5.31	ng/kg		JB			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	300.0	1/5/2011		METHOD	DE037	5.8	1	16984-48-8	FLUORIDE	0.9	J	0.85	1.1	mg/kg	J	J	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	314.0	1/4/2011		METHOD	DE037	5.8	1	14797-73-0	PERCHLORATE	31.8	U	9.6	31.8	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7429-90-5	ALUMINUM	7300		5.13	20.4	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7439-89-6	IRON	13900		4.81	20.4	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7439-93-2	LITHIUM	14.9		0.22	2.0	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7439-95-4	MAGNESIUM	3090		2.59	10.2	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7439-96-5	MANGANESE	247		0.0796	0.510	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7440-09-7	POTASSIUM	1810	J	18.4	51.0	mg/kg	J		J	Q	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7440-23-5	SODIUM	64.8	J	38.1	102	mg/kg	J	J	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7440-24-6	STRONTIUM	9.87		0.0633	0.510	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7440-31-5	TIN	10.2	U	1.02	10.2	mg/kg	U	J	U	B, Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7440-32-6	TITANIUM	759		0.388	1.02	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7440-42-8	BORON	3.23	J	0.908	5.10	mg/kg	J	J	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7440-67-7	Zirconium	5.1	U	0.857	5.10	mg/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7440-70-2	CALCIUM	1710		6.26	20.4	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6010B	12/20/2010	NA	3050B	DE037	5.8	1	7723-14-0	PHOSPHORUS	267	J	0.572	10.2	mg/kg	J		J	Q	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/24/2010	NA	3050B	DE037	5.8	2	7440-43-9	CADMIUM	0.15	J	0.0375	0.104	mg/kg	J		J	Q	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7782-49-2	SELENIUM	0.209	J	0.0416	0.416	mg/kg	J	J	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7439-98-7	MOLYBDENUM	0.691	J	0.0520	0.104	mg/kg	J		J	Q	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-39-3	BARIUM	133	J	0.112	0.416	mg/kg	J		J	*#	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7439-92-1	LEAD	15	J	0.0108	0.208	mg/kg	J		J	Q, *#	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-02-0	NICKEL	21.6		0.104	0.416	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-22-4	SILVER	0.329	J	0.0125	0.104	mg/kg	J		J	Q	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-28-0	THALLIUM	0.435		0.0312	0.104	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-36-0	ANTIMONY	0.286	J	0.0624	0.208	mg/kg	J		J	Q	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-38-2	ARSENIC	9.5	J	0.0624	0.416	mg/kg	J		J	Q	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-41-7	BERYLLIUM	0.782		0.0167	0.104	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-47-3	CHROMIUM	36.8		0.125	0.416	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-48-4	COBALT	7.49		0.0208	0.104	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-50-8	COPPER	15.8		0.0687	0.416	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-62-2	VANADIUM	58		0.0229	0.104	mg/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	6020	12/23/2010	NA	3050B	DE037	5.8	2	7440-66-6	ZINC	118	J	0.583	3.12	mg/kg	J		J	*#	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	7199	1/4/2011	NA	3060A	DE037	5.8	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.21	1.1	mg/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	7471A	12/20/2010	NA	METHOD	DE037	5.8	1	7439-97-6	MERCURY	0.0998	U	0.0029	0.0998	mg/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	1024-57-3	HEPTACHLOR EPOXIDE	0.18	U	0.047	0.18	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	1031-07-8	ENDOSULFAN SULFATE	0.36	U	0.070	0.36	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	2385-85-5	MIREX	0.36	U	0.070	0.36	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	309-00-2	ALDRIN	0.18	U	0.070	0.18	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	319-84-6	ALPHA-BHC	0.16	J	0.036	0.18	ug/kg	J	J	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	319-85-7	BETA-BHC	0.18	U	0.064	0.18	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	319-86-8	DELTA-BHC	0.18	U	0.038	0.18	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	33213-65-9	ENDOSULFAN II	0.36	U	0.070	0.36	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	50-29-3	4,4'-DDT	0.37	U	0.37	0.37	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	53494-70-5	ENDRIN KETONE	0.36	U	0.070	0.36	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	57-74-9	Chlordane	3.6	U	0.85	3.6	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	58-89-9	gamma-BHC (Lindane)	0.18	U	0.036	0.18	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	60-57-1	DIELDRIN	0.36	U	0.15	0.36	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	72-20-8	ENDRIN	0.36	U	0.070	0.36	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	72-43-5	METHOXYCHLOR	1.8	U	0.36	1.8	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	72-54-8	4,4'-DDD	0.36	U	0.29	0.36	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	72-55-9	4,4'-DDE	0.36	U	0.11	0.36	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	7421-93-4	ENDRIN ALDEHYDE	0.36	U	0.070	0.36	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	76-44-8	HEPTACHLOR	0.18	U	0.064	0.18	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	8001-35-2	TOXAPHENE	7	U	2.3	7.0	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8081A	1/6/2011		3550B	DE037	5.8	1	959-98-8	ENDOSULFAN I	0.18	U	0.047	0.18	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	11096-82-5	AROCLOR 1260	2.1	J	0.70	3.6	ug/kg	J	J	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	11097-69-1	AROCLOR 1254	1.7	J	0.70	3.6	ug/kg	J	J	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	11100-14-4	Aroclor 1268	3.6	U	0.70	3.6	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	11104-28-2	AROCLOR 1221	3.6	U	1.1	3.6	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	11126-42-4	Aroclor 5460	7	U	2.1	7.0	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	11141-16-5	AROCLOR 1232	3.6	U	1.1	3.6	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	12642-23-8	Aroclor 5442	7	U	2.1	7.0	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	12672-29-6	AROCLOR 1248	3.6	U	0.70	3.6	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	12674-11-2	AROCLOR 1016	3.6	U	0.70	3.6	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	37324-23-5	Aroclor 1262	3.6	U	0.70	3.6	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	53469-21-9	AROCLOR 1242	3.6	U	1.1	3.6	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8082	12/23/2010		3550B	DE037	5.8	2	63496-31-1	Aroclor 5432	7	U	2.1	7.0	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8151A	12/21/2010		3550B	DE037	5.8	1	120-36-5	DICHLOROPROP	1.8	U	0.85	1.8	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8151A	12/21/2010		3550B	DE037	5.8	1	1918-00-9	DICAMBA	1.3	U	0.42	1.3	ug/kg		U			MDL	PQL	6351601.325	1910066.411

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8151A	12/21/2010		3550B	DE037	5.8	1	75-99-0	DALAPON	9.6	U	4.7	9.6	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8151A	12/21/2010		3550B	DE037	5.8	1	88-85-7	DINOSEB	2.5	R	0.85	2.5	ug/kg	R	U	R	L	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8151A	12/21/2010		3550B	DE037	5.8	1	93-65-2	MCPP	410	U	410	410	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8151A	12/21/2010		3550B	DE037	5.8	1	93-72-1	2,4,5-TP (Silvex)	0.18	U	0.080	0.18	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8151A	12/21/2010		3550B	DE037	5.8	1	93-76-5	2,4,5-T	0.18	U	0.087	0.18	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8151A	12/21/2010		3550B	DE037	5.8	1	94-74-6	MCPA	270	U	270	270	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8151A	12/21/2010		3550B	DE037	5.8	1	94-75-7	2,4-D	3.8	U	1.3	3.8	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8151A	12/21/2010		3550B	DE037	5.8	1	94-82-6	2,4-DB	5.1	U	0.66	5.1	ug/kg	U		U	B	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	100-01-6	4-NITROANILINE	180	U	71	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	100-02-7	4-NITROPHENOL	530	U	180	530	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	100-51-6	BENZYL ALCOHOL	530	U	180	530	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	105-67-9	2,4-DIMETHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	106-44-5	4-METHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	106-46-7	1,4-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	106-47-8	4-CHLOROANILINE	180	U	71	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	108-68-9	3,5-Dimethylphenol	180	U	35	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	108-95-2	PHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	118-74-1	HEXACHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	120-82-1	1,2,4-TRICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	120-83-2	2,4-DICHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	121-14-2	2,4-DINITROTOLUENE	180	U	35	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	132-64-9	DIBENZOFURAN	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	51-28-5	2,4-DINITROPHENOL	2100	U	710	2100	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	530	U	180	530	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	541-73-1	1,3-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	59-50-7	4-CHLORO-3-METHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	606-20-2	2,6-DINITROTOLUENE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	62-53-3	ANILINE	530	U	180	530	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	65-85-0	BENZOIC ACID	530	U	180	530	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	67-72-1	HEXACHLOROETHANE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	180	U	35	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	530	U	180	530	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	78-59-1	ISOPHORONE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	86-30-6	N-NITROSODIPHENYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	86-74-8	CARBAZOLE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	87-68-3	HEXACHLOROBUTADIENE	180	U	71	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	87-86-5	PENTACHLOROPHENOL	530	U	180	530	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	88-06-2	2,4,6-TRICHLOROPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	88-74-4	2-NITROANILINE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	88-75-5	2-NITROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	91-58-7	2-CHLORONAPHTHALENE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	91-94-1	3,3'-DICHLOROBENZIDINE	350	U	110	350	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	92-87-5	BENZIDINE	3500	U	1200	3500	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	95-48-7	2-METHYLPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	95-50-1	1,2-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	95-57-8	2-CHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	35	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	98-95-3	NITROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C	1/4/2011		3550B	DE037	5.8	1	99-09-2	3-NITROANILINE	180	U	35	180	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	19	U	6.4	19	ug/kg	U	J	U	B, Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	117-84-0	Di-n-octylphthalate	19	U	6.4	19	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	120-12-7	ANTHRACENE	0.99	J	0.35	1.8	ug/kg	J	J	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	129-00-0	PYRENE	15		0.71	1.8	ug/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	131-11-3	Dimethylphthalate	19	U	6.4	19	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	191-24-2	BENZO(G,H,I)PERYLENE	11		0.71	1.8	ug/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	193-39-5	INDENO(1,2,3-CD)PYRENE	10		0.71	1.8	ug/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	205-99-2	BENZO(B)FLUORANTHENE	39		0.71	1.8	ug/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	206-44-0	FLUORANTHENE	14		0.71	1.8	ug/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	207-08-9	BENZO(K)FLUORANTHENE	14		0.71	1.8	ug/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	208-96-8	ACENAPHTHYLENE	1.8	U	0.35	1.8	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	218-01-9	CHRYSENE	20		0.35	1.8	ug/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	50-32-8	BENZO(A)PYRENE	25		0.71	1.8	ug/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	53-70-3	DIBENZO(A,H)ANTHRACENE	3.2		0.71	1.8	ug/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	56-55-3	BENZO(A)ANTHRACENE	15		0.71	1.8	ug/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	62-75-9	N-NITROSODIMETHYLAMINE	1.8	U	0.71	1.8	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	83-32-9	ACENAPHTHENE	1.8	U	0.71	1.8	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	84-66-2	Diethylphthalate	19	U	6.4	19	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	84-74-2	Di-n-butylphthalate	19	U	6.4	19	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	85-01-8	PHENANTHRENE	6.2		0.71	1.8	ug/kg					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	85-68-7	Butylbenzylphthalate	19	U	6.4	19	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	86-73-7	FLUORENE	1.8	U	0.71	1.8	ug/kg		U			MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	90-12-0	1-METHYLNAPHTHALENE	0.94	J	0.71	1.8	ug/kg	J	J	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	91-20-3	NAPHTHALENE	1.1	J	0.71	1.8	ug/kg	J	J	J	Z	MDL	PQL	6351601.325	1910066.411

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	8270C SIM	12/30/2010		3550B	DE037	5.8	1	91-57-6	2-METHYLNAPHTHALENE	0.96	J	0.71	1.8	ug/kg	J	J	J	Z	MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	9045M	12/16/2010		Gen Prep	DE037	5.8	1	pH	PH	8		0.0100	0.0100	pH unit					MDL	PQL	6351601.325	1910066.411
SED-033-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163888	ASTM D1498	12/16/2010		Gen Prep	DE037	5.8	1	REDOX	Oxidation Reduction Potential	433		10.0	10.0	mv					MDL	PQL	6351601.325	1910066.411
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	160.3M	1/6/2011		Gen Prep	DE046	22.2	1	MOIST	MOISTURE	22.2		0.50	0.50	%					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	300.0	1/14/2011		METHOD	DE046	22.2	1	16984-48-8	FLUORIDE	2	J	1.0	1.3	mg/kg	J		J	Q	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	314.0	1/12/2011		METHOD	DE046	22.2	1	14797-73-0	PERCHLORATE	38.6	U	11.6	38.6	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7440-31-5	TIN	12.6	U	1.26	12.6	mg/kg	U	J	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7429-90-5	ALUMINUM	8990		6.34	25.2	mg/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7439-89-6	IRON	15700		5.94	25.2	mg/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7439-93-2	LITHIUM	22.6	J	0.28	2.5	mg/kg	J		J	*#	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7439-95-4	MAGNESIUM	3960		3.20	12.6	mg/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7439-96-5	MANGANESE	218		0.0983	0.630	mg/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7440-09-7	POTASSIUM	2630		22.7	63.0	mg/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7440-23-5	SODIUM	56.6	J	47.0	126	mg/kg	J	J	J	Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7440-24-6	STRONTIUM	8.22	J	0.0781	0.630	mg/kg	J		J	*#	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7440-32-6	TITANIUM	826		0.479	1.26	mg/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7440-42-8	BORON	5.57	J	1.12	6.30	mg/kg	J	J	J	Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7440-67-7	Zirconium	6.3	U	1.06	6.30	mg/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7440-70-2	CALCIUM	2330		7.72	25.2	mg/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6010B	12/30/2010	NA	3050B	DE046	22.2	1	7723-14-0	PHOSPHORUS	404		0.706	12.6	mg/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/6/2011	NA	3050B	DE046	22.2	2	7782-49-2	SELENIUM	0.143	J	0.0494	0.494	mg/kg	J	J	J	Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7439-98-7	MOLYBDENUM	0.357	J	0.0618	0.124	mg/kg	J		J	E, Q	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-39-3	BARIUM	76.1	J	0.133	0.494	mg/kg	J		J	E, *#	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7439-92-1	LEAD	12.7	J	0.0129	0.247	mg/kg	J		J	E, *#	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-02-0	NICKEL	9.34	J	0.124	0.494	mg/kg	J		J	E, Q, *#	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-22-4	SILVER	0.0249	J	0.0148	0.124	mg/kg	J	J	J	Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-28-0	THALLIUM	0.252	J	0.0371	0.124	mg/kg	J		J	Q	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-36-0	ANTIMONY	0.247	UJ	0.0742	0.247	mg/kg	UJ	U	UJ	Q	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-38-2	ARSENIC	5.3	J	0.0742	0.494	mg/kg	J		J	E, Q	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-41-7	BERYLLIUM	0.459		0.0198	0.124	mg/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-43-9	CADMIUM	0.167	J	0.0445	0.124	mg/kg	J		J	Q	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-47-3	CHROMIUM	13	J	0.148	0.494	mg/kg	J		J	E	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-48-4	COBALT	4.99	J	0.0247	0.124	mg/kg	J		J	E	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-50-8	COPPER	6.53	J	0.0816	0.494	mg/kg	J		J	E	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-62-2	VANADIUM	27.7	J	0.0272	0.124	mg/kg	J		J	E, Q, *#	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	6020	1/5/2011	NA	3050B	DE046	22.2	2	7440-66-6	ZINC	93.8	J	0.692	3.71	mg/kg	J		J	E, *#	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	7199	1/20/2011		3060A	DE046	22.2	1	18540-29-9	HEXAVALENT CHROMIUM	1.3	U	0.26	1.3	mg/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	7471A	12/28/2010	NA	METHOD	DE046	22.2	1	7439-97-6	MERCURY	0.121	U	0.0035	0.121	mg/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	1024-57-3	HEPTACHLOR EPOXIDE	0.21	R	0.044	0.21	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	1031-07-8	ENDOSULFAN SULFATE	0.44	R	0.29	0.44	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	2385-85-5	MIREX	0.44	R	0.36	0.44	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	309-00-2	ALDRIN	0.21	R	0.085	0.21	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	319-84-6	ALPHA-BHC	0.21	R	0.044	0.21	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	319-85-7	BETA-BHC	0.21	R	0.077	0.21	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	319-86-8	DELTA-BHC	0.21	R	0.046	0.21	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	33213-65-9	ENDOSULFAN II	0.44	R	0.085	0.44	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	50-29-3	4,4'-DDT	0.44	R	0.37	0.44	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	53494-70-5	ENDRIN KETONE	0.44	R	0.085	0.44	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	57-74-9	Chlordane	4.4	R	1.0	4.4	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	58-89-9	gamma-BHC (Lindane)	0.21	R	0.044	0.21	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	60-57-1	DIELDRIN	0.44	R	0.085	0.44	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	72-20-8	ENDRIN	0.44	R	0.085	0.44	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	72-43-5	METHOXYCHLOR	2.1	R	0.44	2.1	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	72-54-8	4,4'-DDD	0.44	R	0.085	0.44	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	72-55-9	4,4'-DDE	0.44	R	0.25	0.44	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	7421-93-4	ENDRIN ALDEHYDE	0.44	R	0.085	0.44	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	76-44-8	HEPTACHLOR	0.21	R	0.077	0.21	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	8001-35-2	TOXAPHENE	8.5	R	2.8	8.5	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8081A	1/15/2011		3550B	DE046	22.2	1	959-98-8	ENDOSULFAN I	0.21	R	0.057	0.21	ug/kg	R	U	R	S	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	11096-82-5	AROCLOR 1260	1.3	J	0.42	2.2	ug/kg	J	J	J	S, Z, *#	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	11097-69-1	AROCLOR 1254	1.7	J	0.42	2.2	ug/kg	J	J	J	S, Z, *#	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	11100-14-4	Aroclor 1268	2.2	U	0.42	2.2	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	11104-28-2	AROCLOR 1221	2.2	U	0.64	2.2	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	11126-42-4	Aroclor 5460	1.5	J	1.3	4.2	ug/kg	J	J	J	S, L, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	11141-16-5	AROCLOR 1232	2.2	U	0.67	2.2	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	12642-23-8	Aroclor 5442	4.2	UJ	1.3	4.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	12672-29-6	AROCLOR 1248	2.2	U	0.42	2.2	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	12674-11-2	AROCLOR 1016	2.2	U	0.42	2.2	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	37324-23-5	Aroclor 1262	2.2	U	0.42	2.2	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	53469-21-9	AROCLOR 1242	2.2	U	0.64	2.2	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8082	1/5/2011		3550B	DE046	22.2	1	63496-31-1	Aroclor 5432	4.2	UJ	1.3	4.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8151A	1/7/2011		3550B	DE046	22.2	1	120-36-5	DICHLOROPROP	2.2	U	1.0	2.2	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8151A	1/7/2011		3550B	DE046	22.2	1	1918-00-9	DICAMBA	1.5	U	0.51	1.5	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8151A	1/7/2011		3550B	DE046	22.2	1	75-99-0	DALAPON	12	U	5.7	12	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8151A	1/7/2011		3550B	DE046	22.2	1	88-85-7	DINOSEB	3.1	U	1.0	3.1	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8151A	1/7/2011		3550B	DE046	22.2	1	93-65-2	MCPP	320	U	96	320	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8151A	1/7/2011		3550B	DE046	22.2	1	93-72-1	2,4,5-TP (Silvex)	0.22	U	0.096	0.22	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8151A	1/7/2011		3550B	DE046	22.2	1	93-76-5	2,4,5-T	0.22	U	0.11	0.22	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8151A	1/7/2011		3550B	DE046	22.2	1	94-74-6	MCPA	320	U	98	320	ug/kg		U			MDL	PQL	6347199.295	1907243.696

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8151A	1/7/2011		3550B	DE046	22.2	1	94-75-7	2,4-D	4.6	U	1.5	4.6	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8151A	1/7/2011		3550B	DE046	22.2	1	94-82-6	2,4-DB	2.2	U	1.2	2.2	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	100-01-6	4-NITROANILINE	210	U	86	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	100-02-7	4-NITROPHENOL	640	U	210	640	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	100-51-6	BENZYL ALCOHOL	640	U	210	640	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	105-67-9	2,4-DIMETHYLPHENOL	210	U	43	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	106-44-5	4-METHYLPHENOL	210	U	43	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	106-46-7	1,4-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	106-47-8	4-CHLOROANILINE	210	U	86	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	108-68-9	3,5-Dimethylphenol	210	U	43	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	108-95-2	PHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	118-74-1	HEXACHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	120-82-1	1,2,4-TRICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	120-83-2	2,4-DICHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	121-14-2	2,4-DINITROTOLUENE	210	U	43	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	132-64-9	DIBENZOFURAN	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	51-28-5	2,4-DINITROPHENOL	2600	U	860	2600	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	640	U	210	640	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	541-73-1	1,3-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	59-50-7	4-CHLORO-3-METHYLPHENOL	210	U	43	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	606-20-2	2,6-DINITROTOLUENE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	62-53-3	ANILINE	640	U	210	640	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	65-85-0	BENZOIC ACID	640	U	210	640	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	67-72-1	HEXACHLOROETHANE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	210	U	43	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	640	U	210	640	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	78-59-1	ISOPHORONE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	85-68-7	Butylbenzylphthalate	32	J	21	210	ug/kg	J	J	J	Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	86-30-6	N-NITROSODIPHENYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	86-74-8	CARBAZOLE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	87-68-3	HEXACHLOROBUTADIENE	210	U	86	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	87-86-5	PENTACHLOROPHENOL	640	U	210	640	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	88-06-2	2,4,6-TRICHLOROPHENOL	210	U	43	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	88-74-4	2-NITROANILINE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	88-75-5	2-NITROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	91-58-7	2-CHLORONAPHTHALENE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	91-94-1	3,3'-DICHLOROBENZIDINE	430	U	130	430	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	92-87-5	BENZIDINE	4300	U	1500	4300	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	95-48-7	2-METHYLPHENOL	210	U	43	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	95-50-1	1,2-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	95-57-8	2-CHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	95-95-4	2,4,5-TRICHLOROPHENOL	210	U	43	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	98-95-3	NITROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C	1/19/2011		3550B	DE046	22.2	1	99-09-2	3-NITROANILINE	210	U	43	210	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	29		7.7	23	ug/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	117-84-0	Di-n-octylphthalate	23	U	7.7	23	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	120-12-7	ANTHRACENE	2.1	U	0.43	2.1	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	129-00-0	PYRENE	3.5		0.86	2.1	ug/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	131-11-3	Dimethylphthalate	23	U	7.7	23	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	191-24-2	BENZO(G,H,I)PERYLENE	2.3		0.86	2.1	ug/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.8	J	0.86	2.1	ug/kg	J	J	J	Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	205-99-2	BENZO(B)FLUORANTHENE	5		0.86	2.1	ug/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	206-44-0	FLUORANTHENE	3.7		0.86	2.1	ug/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	207-08-9	BENZO(K)FLUORANTHENE	2.6		0.86	2.1	ug/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	208-96-8	ACENAPHTHYLENE	2.1	U	0.43	2.1	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	218-01-9	CHRYSENE	4.5		0.43	2.1	ug/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	50-32-8	BENZO(A)PYRENE	2.3		0.86	2.1	ug/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.1	U	0.86	2.1	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	56-55-3	BENZO(A)ANTHRACENE	1.2	J	0.86	2.1	ug/kg	J	J	J	Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	62-75-9	N-NITROSODIMETHYLAMINE	2.1	U	0.86	2.1	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	83-32-9	ACENAPHTHENE	2.1	U	0.86	2.1	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	84-66-2	Diethylphthalate	23	U	7.7	23	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	84-74-2	Di-n-butylphthalate	23	U	7.7	23	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	85-01-8	PHENANTHRENE	2	J	0.86	2.1	ug/kg	J	J	J	Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	86-73-7	FLUORENE	3.4		0.86	2.1	ug/kg					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	90-12-0	1-METHYLNAPHTHALENE	2.1	U	0.86	2.1	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	91-20-3	NAPHTHALENE	1.1	J	0.86	2.1	ug/kg	J	J	J	Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	8270C SIM	1/12/2011		3550B	DE046	22.2	1	91-57-6	2-METHYLNAPHTHALENE	2.1	U	0.86	2.1	ug/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	9045M	12/27/2010		Gen Prep	DE046	22.2	1	pH	PH	6.61		0.0100	0.0100	pH unit					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172044	ASTM D1498	12/27/2010		Gen Prep	DE046	22.2	1	REDOX	Oxidation Reduction Potential	513		10.0	10.0	mv					MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	1746-01-6	2,3,7,8-TCDD	1.29	U	0.0506	1.29	ng/kg		U			MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	19408-74-3	1,2,3,7,8,9-HXCDD	6.43	U	0.0620	6.43	ng/kg	U	JB	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	3268-87-9	OCDD	21.4		0.0742	12.9	ng/kg		B			MDL	PQL	6347199.295	1907243.696

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	3.56	J	0.0862	6.43	ng/kg	J	JB	J	Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	39001-02-0	OCDF	12.9	U	0.0815	12.9	ng/kg	U	JB	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	39227-28-6	1,2,3,4,7,8-HxCDD	6.43	U	0.0623	6.43	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	40321-76-4	1,2,3,7,8-PECDD	6.43	U	0.0481	6.43	ng/kg	U	JB	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	51207-31-9	2,3,7,8-TCDF	1.29	U	0.0753	1.29	ng/kg	U	JQ	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	6.43	U	0.0725	6.43	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	57117-31-4	2,3,4,7,8-PECDF	6.43	U	0.0386	6.43	ng/kg	U	JB	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	57117-41-6	1,2,3,7,8-PECDF	6.43	U	0.0389	6.43	ng/kg	U	JB	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	57117-44-9	1,2,3,6,7,8-HXCDF	6.43	U	0.0469	6.43	ng/kg	U	JB	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	57653-85-7	1,2,3,6,7,8-HXCDD	6.43	U	0.0674	6.43	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	60851-34-5	2,3,4,6,7,8-HXCDF	6.43	U	0.0490	6.43	ng/kg	U	JB	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	6.43	U	0.0540	6.43	ng/kg	U	JB	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	70648-26-9	1,2,3,4,7,8-HXCDF	6.43	U	0.0509	6.43	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-034-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172053	1613B	1/29/2011		METHOD	DX029	22.2	1	72918-21-9	1,2,3,7,8,9-HXCDF	6.43	U	0.0553	6.43	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6347199.295	1907243.696
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	160.3M	6/2/2011		Gen Prep	DE159	13.6	1	MOIST	MOISTURE	39.6		0.50	0.50	%					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/9/2011		METHOD	DX087	13.6	1	51207-31-9	2,3,7,8-TCDF	2.92		0.0479	1.13	ng/kg		B		Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	1746-01-6	2,3,7,8-TCDD	0.209	J	0.0236	1.13	ng/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	19408-74-3	1,2,3,7,8,9-HXCDD	2.69	J	0.0956	5.67	ng/kg		JB	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	3268-87-9	OCDD	924		0.0791	11.3	ng/kg		B			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	91.1		0.104	5.67	ng/kg		B			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	39001-02-0	OCDF	30.1		0.0429	11.3	ng/kg		B			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	39227-28-6	1,2,3,4,7,8-HxCDD	1.31	J	0.0955	5.67	ng/kg		JB	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	40321-76-4	1,2,3,7,8-PECDD	0.874	J	0.0615	5.67	ng/kg		JB	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	51207-31-9	2,3,7,8-TCDF	2.04		0.0839	1.13	ng/kg		B		Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	1.18	J	0.0590	5.67	ng/kg		JBQ	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	57117-31-4	2,3,4,7,8-PECDF	0.96	J	0.0244	5.67	ng/kg		JB	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	57117-41-6	1,2,3,7,8-PECDF	0.734	J	0.0252	5.67	ng/kg		JB	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.736	J	0.0471	5.67	ng/kg		JB	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	57653-85-7	1,2,3,6,7,8-HXCDD	3.48	J	0.0994	5.67	ng/kg		JB	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	60851-34-5	2,3,4,6,7,8-HXCDF	0.983	J	0.0433	5.67	ng/kg		JB	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	12		0.0462	5.67	ng/kg		B			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.975	J	0.0481	5.67	ng/kg		JB	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296097	1613B	6/8/2011		METHOD	DX087	13.6	1	72918-21-9	1,2,3,7,8,9-HXCDF	8.12	U	0.0484	5.67	ng/kg		JB	U	B, Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	300.0	6/1/2011		METHOD	DE159	13.6	1	16984-48-8	FLUORIDE	2.9	J	0.93	1.2	mg/kg			J	Q	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	314.0	6/5/2011		METHOD	DE159	13.6	1	14797-73-0	PERCHLORATE	49.7	U	10.4	34.7	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7429-90-5	ALUMINUM	10,600		5.82	23.1	mg/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7440-42-8	BORON	8.28	U	1.03	5.79	mg/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7440-70-2	CALCIUM	11800	J	7.09	23.1	mg/kg			J	E	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7439-89-6	IRON	14,800		5.45	23.1	mg/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7439-93-2	LITHIUM	15.9		0.25	2.3	mg/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7439-95-4	MAGNESIUM	3220		2.94	11.6	mg/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7439-96-5	MANGANESE	232		0.0903	0.579	mg/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7723-14-0	PHOSPHORUS	509	J	0.648	11.6	mg/kg			J	Q	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7440-09-7	POTASSIUM	2260	J	20.8	57.9	mg/kg			J	Q	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7440-23-5	SODIUM	161	J	43.2	116	mg/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7440-24-6	STRONTIUM	37.7		0.0718	0.579	mg/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7440-31-5	TIN	16.6	U	1.16	11.6	mg/kg		J	U	B, Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7440-32-6	TITANIUM	912		0.440	1.16	mg/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6010B	6/1/2011	TOT	3050B	DE159	13.6	1	7440-67-7	Zirconium	2.73	J	0.972	5.79	mg/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7440-36-0	ANTIMONY	0.437	J	0.0681	0.227	mg/kg			J	Q	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7440-38-2	ARSENIC	4.36	J	0.0908	0.454	mg/kg			J	E, Q	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7440-39-3	BARIUM	110	J	0.123	0.454	mg/kg			J	E	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7440-41-7	BERYLLIUM	0.48	J	0.0182	0.113	mg/kg			J	E	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7440-43-9	CADMIUM	0.732	J	0.0454	0.113	mg/kg			J	E, Q	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/7/2011	TOT	3050B	DE159	13.6	2	7440-47-3	CHROMIUM	15.4	J	0.136	0.454	mg/kg			J	*#	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/7/2011	TOT	3050B	DE159	13.6	2	7440-48-4	COBALT	3.92	J	0.0227	0.113	mg/kg			J	E, *#	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7440-50-8	COPPER	13.1	J	0.0749	0.454	mg/kg			J	E, Q	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7439-92-1	LEAD	21		0.0118	0.227	mg/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7439-98-7	MOLYBDENUM	1.59	J	0.0567	0.113	mg/kg			J	E, Q	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7440-02-0	NICKEL	13.5	J	0.113	0.454	mg/kg			J	E, Q	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7782-49-2	SELENIUM	0.22	J	0.0454	0.454	mg/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7440-22-4	SILVER	0.315	J	0.0136	0.113	mg/kg			J	Q	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7440-28-0	THALLIUM	0.265	J	0.0340	0.113	mg/kg			J	Q	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7440-62-2	VANADIUM	34.3	J	0.0250	0.113	mg/kg			J	E	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	6020	6/6/2011	TOT	3050B	DE159	13.6	2	7440-66-6	ZINC	209	J	0.635	3.40	mg/kg			J	*#	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	7199	6/3/2011		3060A	DE159	13.6	1	18540-29-9	HEXAVALENT CHROMIUM	1.7	U	0.23	1.2	mg/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	7471A	6/1/2011	TOT	METHOD	DE159	13.6	1	7439-97-6	MERCURY	0.0187	J	0.0033	0.114	mg/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	72-54-8	4,4'-DDD	0.56	UJ	0.076	0.39	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	72-55-9	4,4'-DDE	0.6	UJ	0.42	0.42	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	50-29-3	4,4'-DDT	0.52	J	0.076	0.39	ug/kg		J	J	S, Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	309-00-2	ALDRIN	0.27	UJ	0.076	0.19	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	10	319-84-6	ALPHA-BHC	2.7	U	0.39	1.9	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	10	319-85-7	BETA-BHC	2.7	U	0.69	1.9	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	57-74-9	Chlordane	7.3	UJ	5.1	5.1	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	10	319-86-8	DELTA-BHC	2.7	U	0.42	1.9	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	60-57-1	DIELDRIN	0.56	UJ	0.20	0.39	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	959-98-8	ENDOSULFAN I	0.27	UJ	0.051	0.19	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	33213-65-9	ENDOSULFAN II	0.56	UJ	0.076	0.39	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	1031-07-8	ENDOSULFAN SULFATE	0.56	UJ	0.076	0.39	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	72-20-8	ENDRIN	0.56	UJ	0.076	0.39	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	7421-93-4	ENDRIN ALDEHYDE	0.56	UJ	0.076	0.39	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	53494-70-5	ENDRIN KETONE	0.56	UJ	0.076	0.39	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	10	58-89-9	gamma-BHC (Lindane)	3.2	U	2.3	2.3	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	76-44-8	HEPTACHLOR	0.27	UJ	0.069	0.19	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	1024-57-3	HEPTACHLOR EPOXIDE	0.27	UJ	0.039	0.19	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	72-43-5	METHOXYCHLOR	2.7	UJ	0.39	1.9	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	2385-85-5	MIREX	0.56	UJ	0.12	0.39	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8081A	6/4/2011		3550B	DE159	13.6	1	8001-35-2	TOXAPHENE	11	UJ	2.5	7.6	ug/kg		U	UJ	S	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	12674-11-2	AROCLOR 1016	2.8	U	0.38	2.0	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	11104-28-2	AROCLOR 1221	2.8	U	0.38	2.0	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	11141-16-5	AROCLOR 1232	2.8	U	0.38	2.0	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	53469-21-9	AROCLOR 1242	2.8	U	0.38	2.0	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	12672-29-6	AROCLOR 1248	6.8		0.38	2.0	ug/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	11097-69-1	AROCLOR 1254	2.8	U	0.38	2.0	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	11096-82-5	AROCLOR 1260	3.2		0.45	2.0	ug/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	37324-23-5	Aroclor 1262	2.8	U	0.38	2.0	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	11100-14-4	Aroclor 1268	2.8	U	0.38	2.0	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	63496-31-1	Aroclor 5432	5.5	U	1.2	3.8	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	12642-23-8	Aroclor 5442	5.5	U	1.2	3.8	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8082	6/3/2011		3550B	DE159	13.6	1	11126-42-4	Aroclor 5460	3.9	J	1.2	3.8	ug/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8151A	5/31/2011		3550B	DE159	13.6	10	93-76-5	2,4,5-T	2.8	U	1.0	2.0	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8151A	5/31/2011		3550B	DE159	13.6	10	93-72-1	2,4,5-TP (Silvex)	2	J	0.86	2.0	ug/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8151A	5/31/2011		3550B	DE159	13.6	10	94-75-7	2,4-D	59	U	14	41	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8151A	5/31/2011		3550B	DE159	13.6	10	94-82-6	2,4-DB	28	U	7.1	20	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8151A	5/31/2011		3550B	DE159	13.6	10	75-99-0	DALAPON	150	U	51	100	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8151A	5/31/2011		3550B	DE159	13.6	10	1918-00-9	DICAMBA	20	U	4.6	14	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8151A	5/31/2011		3550B	DE159	13.6	10	120-36-5	DICHLOROPROP	28	U	9.2	20	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8151A	5/31/2011		3550B	DE159	13.6	10	88-85-7	DINOSEB	40	R	9.2	28	ug/kg		U	R	L	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8151A	5/31/2011		3550B	DE159	13.6	10	94-74-6	MCPA	4100	U	880	2900	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8151A	5/31/2011		3550B	DE159	13.6	10	93-65-2	MCPP	16000	U	11000	11000	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	120-82-1	1,2,4-TRICHLOROBENZENE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	95-50-1	1,2-DICHLOROBENZENE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	541-73-1	1,3-DICHLOROBENZENE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	106-46-7	1,4-DICHLOROBENZENE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	95-95-4	2,4,5-TRICHLOROPHENOL	280	U	38	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	88-06-2	2,4,6-TRICHLOROPHENOL	280	U	38	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	120-83-2	2,4-DICHLOROPHENOL	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	105-67-9	2,4-DIMETHYLPHENOL	280	U	38	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	51-28-5	2,4-DINITROPHENOL	1700	U	380	1200	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	121-14-2	2,4-DINITROTOLUENE	280	U	38	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	606-20-2	2,6-DINITROTOLUENE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	91-58-7	2-CHLORONAPHTHALENE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	95-57-8	2-CHLOROPHENOL	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	95-48-7	2-METHYLPHENOL	280	U	38	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	88-74-4	2-NITROANILINE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	88-75-5	2-NITROPHENOL	280	UJ	19	190	ug/kg		U	UJ	L	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	91-94-1	3,3'-DICHLOROBENZIDINE	550	U	120	380	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	108-68-9	3,5-Dimethylphenol	280	U	38	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	99-09-2	3-NITROANILINE	280	U	38	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	830	U	190	580	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	280	UJ	19	190	ug/kg		U	UJ	L	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	59-50-7	4-CHLORO-3-METHYLPHENOL	280	U	38	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	106-47-8	4-CHLOROANILINE	280	U	77	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	280	U	38	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	106-44-5	4-METHYLPHENOL	280	U	38	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	100-01-6	4-NITROANILINE	280	U	77	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	100-02-7	4-NITROPHENOL	830	U	190	580	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	80	ANILINE	830	U	190	580	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	92-87-5	BENZIDINE	5500	U	1300	3800	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	65-85-0	BENZOIC ACID	830	U	190	580	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	100-51-6	BENZYL ALCOHOL	830	U	190	580	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	550	U	19	380	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	85-68-7	Butylbenzylphthalate	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	86-74-8	CARBAZOLE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	132-64-9	DIBENZOFURAN	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	84-66-2	Diethylphthalate	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	131-11-3	Dimethylphthalate	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	84-74-2	Di-n-butylphthalate	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	117-84-0	Di-n-octylphthalate	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	206-44-0	FLUORANTHENE	53	J	19	190	ug/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	118-74-1	HEXACHLOROBENZENE	280	UJ	19	190	ug/kg		U	UJ	L	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	87-68-3	HEXACHLOROBUTADIENE	280	UJ	77	190	ug/kg		U	UJ	L	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	830	U	190	580	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	67-72-1	HEXACHLOROETHANE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	78-59-1	ISOPHORONE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	98-95-3	NITROBENZENE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	86-30-6	N-NITROSODIPHENYLAMINE	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	87-86-5	PENTACHLOROPHENOL	830	U	190	580	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	85-01-8	PHENANTHRENE	35	J	19	190	ug/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	108-95-2	PHENOL	280	U	19	190	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C	6/2/2011		3550B	DE159	13.6	1	129-00-0	PYRENE	48	J	19	190	ug/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	90-12-0	1-METHYLNAPHTHALENE	14	U	3.8	9.5	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	91-57-6	2-METHYLNAPHTHALENE	14	U	3.8	9.5	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	83-32-9	ACENAPHTHENE	14	U	3.8	9.5	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	208-96-8	ACENAPHTHYLENE	14	U	1.9	9.5	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	120-12-7	ANTHRACENE	14	U	1.9	9.5	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	56-55-3	BENZO(A)ANTHRACENE	12	J	3.8	9.5	ug/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	50-32-8	BENZO(A)PYRENE	18		3.8	9.5	ug/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	205-99-2	BENZO(B)FLUORANTHENE	33		3.8	9.5	ug/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	191-24-2	BENZO(G,H,I)PERYLENE	10	J	3.8	9.5	ug/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	207-08-9	BENZO(K)FLUORANTHENE	9.4	J	3.8	9.5	ug/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	218-01-9	CHRYSENE	20		1.9	9.5	ug/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	53-70-3	DIBENZO(A,H)ANTHRACENE	14	U	3.8	9.5	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	86-73-7	FLUORENE	14	U	3.8	9.5	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	193-39-5	INDENO(1,2,3-CD)PYRENE	8.7	J	3.8	9.5	ug/kg		J	J	Z	MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	91-20-3	NAPHTHALENE	14	U	3.8	9.5	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	8270C SIM	6/9/2011		3550B	DE159	13.6	5	62-75-9	N-NITROSODIMETHYLAMINE	14	U	3.8	9.5	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED		6296056	9045M	5/25/2011		Gen Prep	DE159	13.6	1	pH	PH	7.19		0.0100	0.0100	pH unit					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED			1630M	6/1/2011			1105316		1		METHYL MERCURY	0.452		0.133	0.133	ug/kg					MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED			NOAA	6/2/2011		3550B	5311		1		TETRABUTYLTIN	3.2	U	0.84	3.2	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED			NOAA	6/2/2011		3550B	5311		1		TRIBUTYLTIN	2.9	U	1.3	2.9	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED			NOAA	6/2/2011		3550B	5311		1		DIBUTYLTIN	2.5	U	0.76	2.5	ug/kg		U			MDL	PQL	6345692.804	1907465.297
SED-035-SIV-SD-0.0-0.5	5/23/2011	N	0	0.5	ft bgs	SE	SED			NOAA	6/2/2011		3550B	5311		1		MONOBUTYLTIN	9.5	UJ	9.5	9.5	ug/kg		UJ			MDL	PQL	6345692.804	1907465.297
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	160.3M	1/7/2011		Gen Prep	DE050	20.9	1	MOIST	MOISTURE	20.9		0.50	0.50	%					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	300.0	1/14/2011		METHOD	DE050	20.9	1	16984-48-8	FLUORIDE	1.6		1.0	1.3	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	314.0	1/14/2011		METHOD	DE050	20.9	1	14797-73-0	PERCHLORATE	37.9	U	11.4	37.9	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7429-90-5	ALUMINUM	22100		6.36	25.3	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7439-89-6	IRON	31800		5.95	25.3	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7439-93-2	LITHIUM	42.9		0.28	2.5	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7439-95-4	MAGNESIUM	7270		3.21	12.6	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7439-96-5	MANGANESE	389		0.0986	0.632	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7440-09-7	POTASSIUM	4840		22.8	63.2	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7440-23-5	SODIUM	93.5	J	47.2	126	mg/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7440-24-6	STRONTIUM	20.4		0.0784	0.632	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7440-31-5	TIN	12.6	U	1.26	12.6	mg/kg	U	J	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7440-32-6	TITANIUM	1440		0.480	1.26	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7440-42-8	BORON	9.31		1.13	6.32	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7440-67-7	Zirconium	5.96	J	1.06	6.32	mg/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7440-70-2	CALCIUM	5580		7.75	25.3	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6010B	12/30/2010	NA	3050B	DE050	20.9	1	7723-14-0	PHOSPHORUS	561		0.708	12.6	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7782-49-2	SELENIUM	0.49	J	0.0496	0.496	mg/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7439-98-7	MOLYBDENUM	0.783	J	0.0620	0.124	mg/kg	J		J	Q	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-39-3	BARIUM	154		0.134	0.496	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7439-92-1	LEAD	18.6	J	0.0129	0.248	mg/kg	J		J	Q	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-02-0	NICKEL	28	J	0.124	0.496	mg/kg	J		J	Q, *#	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-22-4	SILVER	0.161		0.0149	0.124	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-28-0	THALLIUM	0.585		0.0372	0.124	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-36-0	ANTIMONY	0.203	J	0.0744	0.248	mg/kg	J	J	J	Q, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-38-2	ARSENIC	15.7	J	0.0744	0.496	mg/kg	J		J	Q	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-41-7	BERYLLIUM	1.07		0.0198	0.124	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-43-9	CADMIUM	0.285	J	0.0446	0.124	mg/kg	J		J	Q	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-47-3	CHROMIUM	41.7	J	0.149	0.496	mg/kg	J		J	Q	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-48-4	COBALT	13.1	J	0.0248	0.124	mg/kg	J		J	*#	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-50-8	COPPER	22.4	J	0.0818	0.496	mg/kg	J		J	Q	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-62-2	VANADIUM	79.5	J	0.0273	0.124	mg/kg	J		J	Q	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	6020	1/3/2011	NA	3050B	DE050	20.9	2	7440-66-6	ZINC	142		0.694	3.72	mg/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	7199	1/23/2011		3060A	DE050	20.9	1	18540-29-9	HEXAVALENT CHROMIUM	0.43	J	0.25	1.3	mg/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	7471A	12/28/2010	NA	METHOD	DE050	20.9	1	7439-97-6	MERCURY	0.0109	J	0.0034	0.118	mg/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	1024-57-3	HEPTACHLOR EPOXIDE	0.21	U	0.13	0.21	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	1031-07-8	ENDOSULFAN SULFATE	0.43	U	0.32	0.43	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	2385-85-5	MIREX	0.43	U	0.083	0.43	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	309-00-2	ALDRIN	0.21	U	0.083	0.21	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	319-84-6	ALPHA-BHC	0.21	UJ	0.043	0.21	ug/kg	UJ	U	UJ	L	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	319-85-7	BETA-BHC	0.21	U	0.076	0.21	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	319-86-8	DELTA-BHC	0.26	J	0.046	0.21	ug/kg	J		J	S	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	33213-65-9	ENDOSULFAN II	0.43	U	0.083	0.43	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	50-29-3	4,4'-DDT	0.44	U	0.44	0.44	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	53494-70-5	ENDRIN KETONE	0.43	U	0.083	0.43	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	57-74-9	Chlordane	4.3	U	1.0	4.3	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	58-89-9	gamma-BHC (Lindane)	0.21	UJ	0.043	0.21	ug/kg	UJ	U	UJ	L	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	60-57-1	DIELDRIN	0.43	U	0.15	0.43	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	72-20-8	ENDRIN	0.43	U	0.083	0.43	ug/kg		U			MDL	PQL	6343887.24	1907648.869

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	72-43-5	METHOXYCHLOR	2.1	U	1.0	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	72-54-8	4,4'-DDD	0.43	U	0.083	0.43	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	72-55-9	4,4'-DDE	0.43	U	0.39	0.43	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	7421-93-4	ENDRIN ALDEHYDE	0.43	U	0.13	0.43	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	76-44-8	HEPTACHLOR	0.21	U	0.076	0.21	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	8001-35-2	TOXAPHENE	8.3	U	2.8	8.3	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8081A	1/26/2011		3550B	DE050	20.9	1	959-98-8	ENDOSULFAN I	0.21	U	0.056	0.21	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	11096-82-5	AROCLOR 1260	0.77	J	0.42	2.1	ug/kg	J	J	J	S, L, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	11097-69-1	AROCLOR 1254	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	11100-14-4	Aroclor 1268	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	11104-28-2	AROCLOR 1221	2.1	U	0.63	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	11126-42-4	Aroclor 5460	4.2	UJ	1.3	4.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	11141-16-5	AROCLOR 1232	2.1	U	0.66	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	12642-23-8	Aroclor 5442	4.2	UJ	1.3	4.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	12672-29-6	AROCLOR 1248	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	12674-11-2	AROCLOR 1016	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	37324-23-5	Aroclor 1262	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	53469-21-9	AROCLOR 1242	2.1	U	0.63	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8082	1/6/2011		3550B	DE050	20.9	1	63496-31-1	Aroclor 5432	4.2	UJ	1.3	4.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8151A	1/7/2011		3550B	DE050	20.9	1	120-36-5	DICHLOROPROP	2.1	U	1.0	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8151A	1/7/2011		3550B	DE050	20.9	1	1918-00-9	DICAMBA	1.5	U	0.51	1.5	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8151A	1/7/2011		3550B	DE050	20.9	1	75-99-0	DALAPON	11	U	5.6	11	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8151A	1/7/2011		3550B	DE050	20.9	1	88-85-7	DINOSEB	3	R	1.0	3.0	ug/kg	R	U	R	L	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8151A	1/7/2011		3550B	DE050	20.9	1	93-65-2	MCPP	320	U	95	320	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8151A	1/7/2011		3550B	DE050	20.9	1	93-72-1	2,4,5-TP (Silvex)	0.21	U	0.095	0.21	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8151A	1/7/2011		3550B	DE050	20.9	1	93-76-5	2,4,5-T	0.21	U	0.10	0.21	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8151A	1/7/2011		3550B	DE050	20.9	1	94-74-6	MCPA	320	U	96	320	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8151A	1/7/2011		3550B	DE050	20.9	1	94-75-7	2,4-D	4.6	U	1.5	4.6	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8151A	1/7/2011		3550B	DE050	20.9	1	94-82-6	2,4-DB	2.7	U	2.7	2.7	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	100-01-6	4-NITROANILINE	210	U	84	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	100-02-7	4-NITROPHENOL	630	U	210	630	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	100-51-6	BENZYL ALCOHOL	630	U	210	630	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	105-67-9	2,4-DIMETHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	106-44-5	4-METHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	106-46-7	1,4-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	106-47-8	4-CHLOROANILINE	210	U	84	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	108-68-9	3,5-Dimethylphenol	210	U	42	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	108-95-2	PHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	48	J	21	420	ug/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	118-74-1	HEXACHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	120-82-1	1,2,4-TRICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	120-83-2	2,4-DICHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	121-14-2	2,4-DINITROTOLUENE	210	U	42	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	132-64-9	DIBENZOFURAN	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	51-28-5	2,4-DINITROPHENOL	2500	U	840	2500	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	630	U	210	630	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	541-73-1	1,3-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	59-50-7	4-CHLORO-3-METHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	606-20-2	2,6-DINITROTOLUENE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	62-53-3	ANILINE	630	U	210	630	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	65-85-0	BENZOIC ACID	630	U	210	630	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	67-72-1	HEXACHLOROETHANE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	210	U	42	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	630	U	210	630	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	78-59-1	ISOPHORONE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	85-68-7	Butylbenzylphthalate	56	J	21	210	ug/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	86-30-6	N-NITROSODIPHENYLAMINE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	86-74-8	CARBAZOLE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	87-68-3	HEXACHLOROBUTADIENE	210	U	84	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	87-86-5	PENTACHLOROPHENOL	630	U	210	630	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	88-06-2	2,4,6-TRICHLOROPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	88-74-4	2-NITROANILINE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	88-75-5	2-NITROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	91-58-7	2-CHLORONAPHTHALENE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	91-94-1	3,3'-DICHLOROBENZIDINE	420	U	130	420	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	92-87-5	BENZIDINE	4200	U	1500	4200	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	95-48-7	2-METHYLPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	95-50-1	1,2-DICHLOROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	95-57-8	2-CHLOROPHENOL	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	95-95-4	2,4,5-TRICHLOROPHENOL	210	U	42	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	98-95-3	NITROBENZENE	210	U	21	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C	1/18/2011		3550B	DE050	20.9	1	99-09-2	3-NITROANILINE	210	U	42	210	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	117-84-0	Di-n-octylphthalate	23	U	7.6	23	ug/kg		U			MDL	PQL	6343887.24	1907648.869

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	120-12-7	ANTHRACENE	2.1	U	0.42	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	129-00-0	PYRENE	1.5	J	0.84	2.1	ug/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	131-11-3	Dimethylphthalate	23	U	7.6	23	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	191-24-2	BENZO(G,H,I)PERYLENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	205-99-2	BENZO(B)FLUORANTHENE	2.8		0.84	2.1	ug/kg					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	206-44-0	FLUORANTHENE	2	J	0.84	2.1	ug/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	207-08-9	BENZO(K)FLUORANTHENE	0.96	J	0.84	2.1	ug/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	208-96-8	ACENAPHTHYLENE	0.46	J	0.42	2.1	ug/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	218-01-9	CHRYSENE	1.4	J	0.42	2.1	ug/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	50-32-8	BENZO(A)PYRENE	1.1	J	0.84	2.1	ug/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	56-55-3	BENZO(A)ANTHRACENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	62-75-9	N-NITROSODIMETHYLAMINE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	83-32-9	ACENAPHTHENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	84-66-2	Diethylphthalate	23	U	7.6	23	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	84-74-2	Di-n-butylphthalate	23	U	7.6	23	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	85-01-8	PHENANTHRENE	1.4	J	0.84	2.1	ug/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	86-73-7	FLUORENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	90-12-0	1-METHYLNAPHTHALENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	91-20-3	NAPHTHALENE	1.9	J	0.84	2.1	ug/kg	J	J	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	8270C SIM	1/12/2011		3550B	DE050	20.9	1	91-57-6	2-METHYLNAPHTHALENE	2.1	U	0.84	2.1	ug/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	9045M	12/27/2010		Gen Prep	DE050	20.9	1	pH	PH	7.19		0.0100	0.0100	pH unit					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172321	ASTM D1498	12/27/2010		Gen Prep	DE050	20.9	1	REDOX	Oxidation Reduction Potential	524		10.0	10.0	mv					MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	1746-01-6	2,3,7,8-TCDD	1.26	U	0.0521	1.26	ng/kg		U			MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	19408-74-3	1,2,3,7,8,9-HXCDD	6.32	U	0.0407	6.32	ng/kg	U	JB	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	3268-87-9	OCDD	6.76	J	0.0416	12.6	ng/kg	J	JB	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	1.22	J	0.0513	6.32	ng/kg	J	JB	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	39001-02-0	OCDF	12.6	U	0.0539	12.6	ng/kg	U	JB	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	39227-28-6	1,2,3,4,7,8-HxCDD	6.32	U	0.0402	6.32	ng/kg	U	JB	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	40321-76-4	1,2,3,7,8-PECDD	6.32	U	0.0473	6.32	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	51207-31-9	2,3,7,8-TCDF	0.175	J	0.0689	1.26	ng/kg	J	JQ	J	Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	6.32	U	0.0263	6.32	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	57117-31-4	2,3,4,7,8-PECDF	6.32	U	0.0287	6.32	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	57117-41-6	1,2,3,7,8-PECDF	6.32	U	0.0298	6.32	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	57117-44-9	1,2,3,6,7,8-HXCDF	6.32	U	0.0244	6.32	ng/kg	U	JB	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	57653-85-7	1,2,3,6,7,8-HXCDD	6.32	U	0.0431	6.32	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	60851-34-5	2,3,4,6,7,8-HXCDF	6.32	U	0.0260	6.32	ng/kg	U	JB	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	6.32	U	0.0198	6.32	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	70648-26-9	1,2,3,4,7,8-HXCDF	6.32	U	0.0281	6.32	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-036-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172367	1613B	1/29/2011		METHOD	DX033	20.9	1	72918-21-9	1,2,3,7,8,9-HXCDF	6.32	U	0.0288	6.32	ng/kg	U	JB	U	B, Z	MDL	PQL	6343887.24	1907648.869
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	65-85-0	BENZOIC ACID	700	U	230	700	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	67-72-1	HEXACHLOROETHANE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	230	U	47	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	700	U	230	700	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	78-59-1	ISOPHORONE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	86-30-6	N-NITROSODIPHENYLAMINE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	86-74-8	CARBAZOLE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	87-68-3	HEXACHLOROBUTADIENE	230	U	93	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	87-86-5	PENTACHLOROPHENOL	700	U	230	700	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	88-06-2	2,4,6-TRICHLOROPHENOL	230	U	47	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	88-74-4	2-NITROANILINE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	88-75-5	2-NITROPHENOL	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	91-58-7	2-CHLORONAPHTHALENE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	91-94-1	3,3'-DICHLOROBENZIDINE	470	U	140	470	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	92-87-5	BENZIDINE	4700	U	1600	4700	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	95-48-7	2-METHYLPHENOL	230	U	47	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	95-50-1	1,2-DICHLOROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	95-57-8	2-CHLOROPHENOL	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	95-95-4	2,4,5-TRICHLOROPHENOL	230	U	47	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	98-95-3	NITROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	99-09-2	3-NITROANILINE	230	U	47	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	117-84-0	Di-n-octylphthalate	25	U	8.4	25	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	120-12-7	ANTHRACENE	1.1	J	0.47	2.3	ug/kg	J	J	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	129-00-0	PYRENE	7.8		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	131-11-3	Dimethylphthalate	25	U	8.4	25	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	191-24-2	BENZO(G,H,I)PERYLENE	4.5		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	193-39-5	INDENO(1,2,3-CD)PYRENE	3.4		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	205-99-2	BENZO(B)FLUORANTHENE	13		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	206-44-0	FLUORANTHENE	8.3		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	207-08-9	BENZO(K)FLUORANTHENE	4.8		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	208-96-8	ACENAPHTHYLENE	0.71	J	0.47	2.3	ug/kg	J	J	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	218-01-9	CHRYSENE	10		0.47	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	50-32-8	BENZO(A)PYRENE	6		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.3	U	0.93	2.3	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	56-55-3	BENZO(A)ANTHRACENE	4.9		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	62-75-9	N-NITROSODIMETHYLAMINE	2.3	U	0.93	2.3	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	83-32-9	ACENAPHTHENE	2.3	U	0.93	2.3	ug/kg		U			MDL	PQL	6345366.25	1907545.332

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	84-66-2	Diethylphthalate	25	U	8.4	25	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	84-74-2	Di-n-butylphthalate	25	U	8.4	25	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	85-01-8	PHENANTHRENE	6		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	85-68-7	Butylbenzylphthalate	25	U	8.4	25	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	86-73-7	FLUORENE	3.5		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	90-12-0	1-METHYLNAPHTHALENE	2.6		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	91-20-3	NAPHTHALENE	5.9		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C SIM	1/12/2011		3550B	DE046	28.4	1	91-57-6	2-METHYLNAPHTHALENE	3.1		0.93	2.3	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	9045M	12/27/2010		Gen Prep	DE046	28.4	1	pH	PH	7.3		0.0100	0.0100	pH unit					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	ASTM D1498	12/27/2010		Gen Prep	DE046	28.4	1	REDOX	Oxidation Reduction Potential	583		10.0	10.0	mv					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	160.3M	1/6/2011		Gen Prep	DE046	28.4	1	MOIST	MOISTURE	28.4		0.50	0.50	%					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	300.0	1/14/2011		METHOD	DE046	28.4	1	16984-48-8	FLUORIDE	2.4	J	1.1	1.4	mg/kg	J		J	Q	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	314.0	1/12/2011		METHOD	DE046	28.4	1	14797-73-0	PERCHLORATE	41.9	U	12.6	41.9	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7440-31-5	TIN	13.7	U	1.37	13.7	mg/kg	U	J	U	B, Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7429-90-5	ALUMINUM	14100		6.89	27.4	mg/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7439-89-6	IRON	18600		6.45	27.4	mg/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7439-93-2	LITHIUM	20.8	J	0.30	2.7	mg/kg	J		J	*#	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7439-95-4	MAGNESIUM	4530		3.48	13.7	mg/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7439-96-5	MANGANESE	306		0.107	0.685	mg/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7440-09-7	POTASSIUM	3310		24.6	68.5	mg/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7440-23-5	SODIUM	121	J	51.1	137	mg/kg	J	J	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7440-24-6	STRONTIUM	27	J	0.0849	0.685	mg/kg	J		J	*#	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7440-32-6	TITANIUM	1030		0.520	1.37	mg/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7440-42-8	BORON	8.62		1.22	6.85	mg/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7440-67-7	Zirconium	1.54	J	1.15	6.85	mg/kg	J	J	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7440-70-2	CALCIUM	4920		8.39	27.4	mg/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6010B	12/30/2010	NA	3050B	DE046	28.4	1	7723-14-0	PHOSPHORUS	449		0.767	13.7	mg/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/6/2011	NA	3050B	DE046	28.4	2	7782-49-2	SELENIUM	0.266	J	0.0532	0.532	mg/kg	J	J	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7439-98-7	MOLYBDENUM	0.676	J	0.0665	0.133	mg/kg	J		J	E, Q	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-39-3	BARIUM	124	J	0.144	0.532	mg/kg	J		J	E, *#	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7439-92-1	LEAD	49	J	0.0138	0.266	mg/kg	J		J	E, *#	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-02-0	NICKEL	18.6	J	0.133	0.532	mg/kg	J		J	E, Q, *#	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-22-4	SILVER	0.127	J	0.0160	0.133	mg/kg	J	J	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-28-0	THALLIUM	0.321	J	0.0399	0.133	mg/kg	J		J	Q	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-36-0	ANTIMONY	0.266	UJ	0.0798	0.266	mg/kg	UJ	J	UJ	B, Q, Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-38-2	ARSENIC	5.93	J	0.0798	0.532	mg/kg	J		J	E, Q	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-41-7	BERYLLIUM	0.677		0.0213	0.133	mg/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-43-9	CADMIUM	0.397	J	0.0479	0.133	mg/kg	J		J	Q	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-47-3	CHROMIUM	23.8	J	0.160	0.532	mg/kg	J		J	E	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-48-4	COBALT	7.03	J	0.0266	0.133	mg/kg	J		J	E	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-50-8	COPPER	12.8	J	0.0878	0.532	mg/kg	J		J	E	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-62-2	VANADIUM	46.2	J	0.0293	0.133	mg/kg	J		J	E, Q, *#	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	6020	1/5/2011	NA	3050B	DE046	28.4	2	7440-66-6	ZINC	238	J	0.745	3.99	mg/kg	J		J	E, *#	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	7199	1/20/2011		3060A	DE046	28.4	1	18540-29-9	HEXAVALENT CHROMIUM	0.63	J	0.28	1.4	mg/kg	J	J	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	7471A	12/28/2010	NA	METHOD	DE046	28.4	1	7439-97-6	MERCURY	0.021	J	0.0038	0.131	mg/kg	J	J	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/25/2011		3550B	DE046	28.4	5	50-29-3	4,4'-DDT	3.7	J	0.46	2.4	ug/kg	J		J	C, *#	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/25/2011		3550B	DE046	28.4	5	72-55-9	4,4'-DDE	2.7	J	0.46	2.4	ug/kg	J		J	C	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	1024-57-3	HEPTACHLOR EPOXIDE	0.29	U	0.29	0.29	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	1031-07-8	ENDOSULFAN SULFATE	0.47	U	0.092	0.47	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	2385-85-5	MIREX	0.47	U	0.25	0.47	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	309-00-2	ALDRIN	0.23	U	0.15	0.23	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	319-84-6	ALPHA-BHC	0.23	U	0.047	0.23	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	319-85-7	BETA-BHC	0.23	U	0.084	0.23	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	319-86-8	DELTA-BHC	0.23	U	0.050	0.23	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	33213-65-9	ENDOSULFAN II	0.47	U	0.11	0.47	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	53494-70-5	ENDRIN KETONE	0.47	U	0.092	0.47	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	57-74-9	Chlordane	9.6	U	9.6	9.6	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	58-89-9	gamma-BHC (Lindane)	0.23	U	0.047	0.23	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	60-57-1	DIELDRIN	0.49	U	0.49	0.49	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	72-20-8	ENDRIN	0.47	U	0.36	0.47	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	72-43-5	METHOXYCHLOR	2.3	U	0.47	2.3	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	72-54-8	4,4'-DDD	0.47	U	0.092	0.47	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	7421-93-4	ENDRIN ALDEHYDE	1.2	U	1.2	1.2	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	76-44-8	HEPTACHLOR	0.23	U	0.16	0.23	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	8001-35-2	TOXAPHENE	9.2	U	3.1	9.2	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8081A	1/15/2011		3550B	DE046	28.4	1	959-98-8	ENDOSULFAN I	0.23	U	0.061	0.23	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	11096-82-5	AROCLOR 1260	4.7	U	0.92	4.7	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	11097-69-1	AROCLOR 1254	88		0.92	4.7	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	11100-14-4	Aroclor 1268	4.7	U	0.92	4.7	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	11104-28-2	AROCLOR 1221	4.7	U	1.4	4.7	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	11126-42-4	Aroclor 5460	140	J	2.8	9.2	ug/kg	J		J	L	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	11141-16-5	AROCLOR 1232	4.7	U	1.5	4.7	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	12642-23-8	Aroclor 5442	9.2	UJ	2.8	9.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	12672-29-6	AROCLOR 1248	4.7	U	0.92	4.7	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	12674-11-2	AROCLOR 1016	4.7	U	0.92	4.7	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	37324-23-5	Aroclor 1262	4.7	U	0.92	4.7	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	53469-21-9	AROCLOR 1242	4.7	U	1.4	4.7	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8082	12/31/2010		3550B	DE046	28.4	2	63496-31-1	Aroclor 5432	9.2	UJ	2.8	9.2	ug/kg	UJ	U	UJ	L	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8151A	1/7/2011		3550B	DE046	28.4	1	120-36-5	DICHLOROPROP	2.4	U	1.1	2.4	ug/kg		U			MDL	PQL	6345366.25	1907545.332

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8151A	1/7/2011		3550B	DE046	28.4	1	1918-00-9	DICAMBA	1.7	U	0.56	1.7	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8151A	1/7/2011		3550B	DE046	28.4	1	75-99-0	DALAPON	13	U	6.1	13	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8151A	1/7/2011		3550B	DE046	28.4	1	88-85-7	DINOSEB	3.4	U	1.1	3.4	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8151A	1/7/2011		3550B	DE046	28.4	1	93-65-2	MCPP	390		100	350	ug/kg					MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8151A	1/7/2011		3550B	DE046	28.4	1	93-72-1	2,4,5-TP (Silvex)	0.24	U	0.10	0.24	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8151A	1/7/2011		3550B	DE046	28.4	1	93-76-5	2,4,5-T	0.24	U	0.11	0.24	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8151A	1/7/2011		3550B	DE046	28.4	1	94-74-6	MCPA	350	U	110	350	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8151A	1/7/2011		3550B	DE046	28.4	1	94-75-7	2,4-D	5	U	1.7	5.0	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8151A	1/7/2011		3550B	DE046	28.4	1	94-82-6	2,4-DB	2.4	U	1.4	2.4	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	100-01-6	4-NITROANILINE	230	U	93	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	100-02-7	4-NITROPHENOL	700	U	230	700	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	100-51-6	BENZYL ALCOHOL	700	U	230	700	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	105-67-9	2,4-DIMETHYLPHENOL	230	U	47	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	106-44-5	4-METHYLPHENOL	230	U	47	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	106-46-7	1,4-DICHLOROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	106-47-8	4-CHLOROANILINE	230	U	93	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	108-68-9	3,5-Dimethylphenol	230	U	47	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	108-95-2	PHENOL	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	35	J	23	470	ug/kg	J	J	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	118-74-1	HEXACHLOROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	120-82-1	1,2,4-TRICHLOROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	120-83-2	2,4-DICHLOROPHENOL	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	121-14-2	2,4-DINITROTOLUENE	230	U	47	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	132-64-9	DIBENZOFURAN	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	51-28-5	2,4-DINITROPHENOL	2800	U	930	2800	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	700	U	230	700	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	541-73-1	1,3-DICHLOROBENZENE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	59-50-7	4-CHLORO-3-METHYLPHENOL	230	U	47	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	606-20-2	2,6-DINITROTOLUENE	230	U	23	230	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172045	8270C	1/19/2011		3550B	DE046	28.4	1	62-53-3	ANILINE	700	U	230	700	ug/kg		U			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	1746-01-6	2,3,7,8-TCDD	0.139	J	0.0807	1.40	ng/kg	J	JQ	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	19408-74-3	1,2,3,7,8,9-HXCDD	2.4	J	0.0728	6.98	ng/kg	J	JB	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	3268-87-9	OCDD	692		0.111	14.0	ng/kg		B			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	95.9		0.104	6.98	ng/kg		B			MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	39001-02-0	OCDF	8.47	J	0.0793	14.0	ng/kg	J	JB	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.876	J	0.0732	6.98	ng/kg	J	JB	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	40321-76-4	1,2,3,7,8-PECDD	6.98	U	0.121	6.98	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	51207-31-9	2,3,7,8-TCDF	1.19	J	0.152	1.40	ng/kg	J	J	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	6.98	U	0.0570	6.98	ng/kg	U	JB	U	B, Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	57117-31-4	2,3,4,7,8-PECDF	1.16	J	0.0578	6.98	ng/kg	J	JB	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	57117-41-6	1,2,3,7,8-PECDF	1.57	J	0.0606	6.98	ng/kg	J	JB	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	57117-44-9	1,2,3,6,7,8-HXCDF	6.98	U	0.0589	6.98	ng/kg	U	JB	U	B, Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	57653-85-7	1,2,3,6,7,8-HXCDD	3.8	J	0.0788	6.98	ng/kg	J	JB	J	Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	60851-34-5	2,3,4,6,7,8-HXCDF	6.98	U	0.0603	6.98	ng/kg	U	JB	U	B, Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	6.98	U	0.0450	6.98	ng/kg	U	JB	U	B, Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	70648-26-9	1,2,3,4,7,8-HXCDF	6.98	U	0.0630	6.98	ng/kg	U	JB	U	B, Z	MDL	PQL	6345366.25	1907545.332
SED-037-SIV-SD-0.0-0.5	12/20/2010	N	0	0.5	ft bgs	SE	SED		6172054	1613B	1/29/2011		METHOD	DX029	28.4	1	72918-21-9	1,2,3,7,8,9-HXCDF	6.98	U	0.0656	6.98	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6345366.25	1907545.332
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	106-44-5	4-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	106-46-7	1,4-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	106-47-8	4-CHLOROANILINE	190	U	76	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	108-68-9	3,5-Dimethylphenol	190	U	38	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	108-95-2	PHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	30	J	19	380	ug/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	118-74-1	HEXACHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	120-82-1	1,2,4-TRICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	120-83-2	2,4-DICHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	121-14-2	2,4-DINITROTOLUENE	190	U	38	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	132-64-9	DIBENZOFURAN	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	51-28-5	2,4-DINITROPHENOL	2300	U	760	2300	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	541-73-1	1,3-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	59-50-7	4-CHLORO-3-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	606-20-2	2,6-DINITROTOLUENE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	62-53-3	ANILINE	570	U	190	570	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	65-85-0	BENZOIC ACID	570	U	190	570	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	67-72-1	HEXACHLOROETHANE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	190	U	38	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	570	U	190	570	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	78-59-1	ISOPHORONE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	86-30-6	N-NITROSODIPHENYLAMINE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	86-74-8	CARBAZOLE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	87-68-3	HEXACHLOROBUTADIENE	190	U	76	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	87-86-5	PENTACHLOROPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	88-06-2	2,4,6-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	88-74-4	2-NITROANILINE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	88-75-5	2-NITROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	91-58-7	2-CHLORONAPHTHALENE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	91-94-1	3,3'-DICHLOROBENZIDINE	380	U	110	380	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	92-87-5	BENZIDINE	3800	U	1300	3800	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	95-48-7	2-METHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	95-50-1	1,2-DICHLOROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	95-57-8	2-CHLOROPHENOL	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	95-95-4	2,4,5-TRICHLOROPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	98-95-3	NITROBENZENE	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	99-09-2	3-NITROANILINE	190	U	38	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	117-84-0	Di-n-octylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	120-12-7	ANTHRACENE	0.39	J	0.38	1.9	ug/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	129-00-0	PYRENE	4.6		0.76	1.9	ug/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	131-11-3	Dimethylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	191-24-2	BENZO(G,H,I)PERYLENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	205-99-2	BENZO(B)FLUORANTHENE	2.4		0.76	1.9	ug/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	206-44-0	FLUORANTHENE	6.8		0.76	1.9	ug/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	207-08-9	BENZO(K)FLUORANTHENE	1.3	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	208-96-8	ACENAPHTHYLENE	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	218-01-9	CHRYSENE	2.8		0.38	1.9	ug/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	50-32-8	BENZO(A)PYRENE	1.3	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	56-55-3	BENZO(A)ANTHRACENE	1.2	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	62-75-9	N-NITROSODIMETHYLAMINE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	83-32-9	ACENAPHTHENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	84-66-2	Diethylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	84-74-2	Di-n-butylphthalate	15	J	6.9	21	ug/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	85-01-8	PHENANTHRENE	2.8		0.76	1.9	ug/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	85-68-7	Butylbenzylphthalate	21	U	6.9	21	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	86-73-7	FLUORENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	90-12-0	1-METHYLNAPHTHALENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	91-20-3	NAPHTHALENE	1.5	J	0.76	1.9	ug/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C SIM	1/12/2011		3550B	DE050	12.6	1	91-57-6	2-METHYLNAPHTHALENE	1.9	U	0.76	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	9045M	12/27/2010		Gen Prep	DE050	12.6	1	pH	PH	6.94		0.0100	0.0100	pH unit					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	ASTM D1498	12/27/2010		Gen Prep	DE050	12.6	1	REDOX	Oxidation Reduction Potential	527		10.0	10.0	mv					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	160.3M	1/7/2011		Gen Prep	DE050	12.6	1	MOIST	MOISTURE	12.6		0.50	0.50	%					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	300.0	1/14/2011		METHOD	DE050	12.6	1	16984-48-8	FLUORIDE	1.3		0.92	1.1	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	314.0	1/14/2011		METHOD	DE050	12.6	1	14797-73-0	PERCHLORATE	34.3	U	10.3	34.3	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7429-90-5	ALUMINUM	12600		5.76	22.9	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7439-89-6	IRON	17600		5.39	22.9	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7439-93-2	LITHIUM	19.7		0.25	2.3	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7439-95-4	MAGNESIUM	4300		2.91	11.4	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7439-96-5	MANGANESE	267		0.0892	0.572	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7440-09-7	POTASSIUM	3270		20.6	57.2	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7440-23-5	SODIUM	61.9	J	42.7	114	mg/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7440-24-6	STRONTIUM	14.3		0.0709	0.572	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7440-31-5	TIN	11.4	U	1.14	11.4	mg/kg	U	J	U	B, Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7440-32-6	TITANIUM	1030		0.435	1.14	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7440-42-8	BORON	4.94	J	1.02	5.72	mg/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7440-67-7	Zirconium	2.81	J	0.961	5.72	mg/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7440-70-2	CALCIUM	2530		7.01	22.9	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6010B	12/30/2010	NA	3050B	DE050	12.6	1	7723-14-0	PHOSPHORUS	362		0.641	11.4	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7782-49-2	SELENIUM	0.161	J	0.0449	0.449	mg/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7439-98-7	MOLYBDENUM	0.56	J	0.0561	0.112	mg/kg	J		J	Q	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-39-3	BARIUM	106		0.121	0.449	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7439-92-1	LEAD	12	J	0.0117	0.224	mg/kg	J		J	Q	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-02-0	NICKEL	13.7	J	0.112	0.449	mg/kg	J		J	Q, *#	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-22-4	SILVER	0.0475	J	0.0135	0.112	mg/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-28-0	THALLIUM	0.267		0.0337	0.112	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-36-0	ANTIMONY	0.0951	J	0.0673	0.224	mg/kg	J	J	J	Q, Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-38-2	ARSENIC	5.11	J	0.0673	0.449	mg/kg	J		J	Q	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-41-7	BERYLLIUM	0.555		0.0179	0.112	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-43-9	CADMIUM	0.248	J	0.0404	0.112	mg/kg	J		J	Q	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-47-3	CHROMIUM	24	J	0.135	0.449	mg/kg	J		J	Q	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-48-4	COBALT	6.49	J	0.0224	0.112	mg/kg	J		J	*#	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-50-8	COPPER	9.33	J	0.0740	0.449	mg/kg	J		J	Q	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-62-2	VANADIUM	44.4	J	0.0247	0.112	mg/kg	J		J	Q	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	6020	1/3/2011	NA	3050B	DE050	12.6	2	7440-66-6	ZINC	76.5		0.628	3.37	mg/kg					MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	7199	1/23/2011		3060A	DE050	12.6	1	18540-29-9	HEXAVALENT CHROMIUM	1.1	U	0.23	1.1	mg/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	7471A	12/28/2010	NA	METHOD	DE050	12.6	1	7439-97-6	MERCURY	0.0059	J	0.0033	0.114	mg/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	1024-57-3	HEPTACHLOR EPOXIDE	0.19	U	0.039	0.19	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	1031-07-8	ENDOSULFAN SULFATE	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6345926.68	1907974.58

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	2385-85-5	MIREX	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	309-00-2	ALDRIN	0.19	U	0.076	0.19	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	319-84-6	ALPHA-BHC	0.19	UJ	0.039	0.19	ug/kg	UJ	U	UJ	L	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	319-85-7	BETA-BHC	0.19	U	0.069	0.19	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	319-86-8	DELTA-BHC	0.19	U	0.041	0.19	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	33213-65-9	ENDOSULFAN II	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	50-29-3	4,4'-DDT	0.39	U	0.28	0.39	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	53494-70-5	ENDRIN KETONE	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	57-74-9	Chlordane	3.9	U	0.92	3.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	58-89-9	gamma-BHC (Lindane)	0.19	UJ	0.039	0.19	ug/kg	UJ	U	UJ	L	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	60-57-1	DIELDRIN	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	72-20-8	ENDRIN	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	72-43-5	METHOXYCHLOR	1.9	U	0.39	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	72-54-8	4,4'-DDD	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	72-55-9	4,4'-DDE	0.39	U	0.27	0.39	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	7421-93-4	ENDRIN ALDEHYDE	0.39	U	0.076	0.39	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	76-44-8	HEPTACHLOR	0.19	U	0.069	0.19	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	8001-35-2	TOXAPHENE	7.6	U	2.5	7.6	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8081A	1/26/2011		3550B	DE050	12.6	1	959-98-8	ENDOSULFAN I	0.19	U	0.058	0.19	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	11096-82-5	AROCLOR 1260	1	J	0.38	1.9	ug/kg	J	J	J	L, Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	11097-69-1	AROCLOR 1254	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	11100-14-4	Aroclor 1268	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	11104-28-2	AROCLOR 1221	1.9	U	0.57	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	11126-42-4	Aroclor 5460	2.8	J	1.1	3.8	ug/kg	J	J	J	L, Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	11141-16-5	AROCLOR 1232	1.9	U	0.59	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	12642-23-8	Aroclor 5442	3.8	UJ	1.1	3.8	ug/kg	UJ	U	UJ	L	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	12672-29-6	AROCLOR 1248	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	12674-11-2	AROCLOR 1016	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	37324-23-5	Aroclor 1262	1.9	U	0.38	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	53469-21-9	AROCLOR 1242	1.9	U	0.57	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8082	1/12/2011		3550B	DE050	12.6	1	53496-31-1	Aroclor 5432	3.8	UJ	1.1	3.8	ug/kg	UJ	U	UJ	L	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8151A	1/7/2011		3550B	DE050	12.6	1	120-36-5	DICHLOROPROP	1.9	U	0.92	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8151A	1/7/2011		3550B	DE050	12.6	1	1918-00-9	DICAMBA	1.4	U	0.46	1.4	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8151A	1/7/2011		3550B	DE050	12.6	1	75-99-0	DALAPON	10	U	5.0	10	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8151A	1/7/2011		3550B	DE050	12.6	1	88-85-7	DINOSEB	2.7	R	0.92	2.7	ug/kg	R	U	R	L	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8151A	1/7/2011		3550B	DE050	12.6	1	93-65-2	MCPP	290	U	270	290	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8151A	1/7/2011		3550B	DE050	12.6	1	93-72-1	2,4,5-TP (Silvex)	0.19	U	0.086	0.19	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8151A	1/7/2011		3550B	DE050	12.6	1	93-76-5	2,4,5-T	0.19	U	0.094	0.19	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8151A	1/7/2011		3550B	DE050	12.6	1	94-74-6	MCPA	290	U	87	290	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8151A	1/7/2011		3550B	DE050	12.6	1	94-75-7	2,4-D	3	J	1.4	4.1	ug/kg	J	J	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8151A	1/7/2011		3550B	DE050	12.6	1	94-82-6	2,4-DB	1.9	U	0.71	1.9	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	100-01-6	4-NITROANILINE	190	U	76	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	100-02-7	4-NITROPHENOL	570	U	190	570	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	100-51-6	BENZYL ALCOHOL	570	U	190	570	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	190	U	19	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172322	8270C	1/18/2011		3550B	DE050	12.6	1	105-67-9	2,4-DIMETHYLPHENOL	190	U	38	190	ug/kg		U			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	1746-01-6	2,3,7,8-TCDD	0.145	J	0.111	1.14	ng/kg	J	JQ	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	19408-74-3	1,2,3,7,8,9-HXCDD	6.93		0.131	5.72	ng/kg		B			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	3268-87-9	OCDD	1750		0.163	11.4	ng/kg		B			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	262		0.205	5.72	ng/kg		B			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	39001-02-0	OCDF	43.7		0.109	11.4	ng/kg		B			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	39227-28-6	1,2,3,4,7,8-HxCDD	2.89	J	0.126	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	40321-76-4	1,2,3,7,8-PECDD	1.51	J	0.180	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	51207-31-9	2,3,7,8-TCDF	0.217	J	0.125	1.14	ng/kg	J	JQ	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	2.1	J	0.115	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	57117-31-4	2,3,4,7,8-PECDF	0.598	J	0.0695	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	57117-41-6	1,2,3,7,8-PECDF	0.274	J	0.0673	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	57117-44-9	1,2,3,6,7,8-HXCDF	0.665	J	0.0992	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	57653-85-7	1,2,3,6,7,8-HXCDD	12.1		0.131	5.72	ng/kg		B			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	60851-34-5	2,3,4,6,7,8-HXCDF	1.07	J	0.108	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	17.5		0.0807	5.72	ng/kg		B			MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	70648-26-9	1,2,3,4,7,8-HXCDF	0.67	J	0.113	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6345926.68	1907974.58
SED-038-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172368	1613B	1/29/2011		METHOD	DX033	12.6	1	72918-21-9	1,2,3,7,8,9-HXCDF	0.358	J	0.126	5.72	ng/kg	J	JB	J	Z	MDL	PQL	6345926.68	1907974.58
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8151A	1/7/2011		3550B	DE050	24.6	1	75-99-0	DALAPON	12	U	5.8	12	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8151A	1/7/2011		3550B	DE050	24.6	1	88-85-7	DINOSEB	3.2	R	1.1	3.2	ug/kg	R	U	R	L	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8151A	1/7/2011		3550B	DE050	24.6	1	93-65-2	MCPP	330	U	99	330	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8151A	1/7/2011		3550B	DE050	24.6	1	93-72-1	2,4,5-TP (Silvex)	0.23	U	0.099	0.23	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8151A	1/7/2011		3550B	DE050	24.6	1	93-76-5	2,4,5-T	0.23	U	0.11	0.23	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8151A	1/7/2011		3550B	DE050	24.6	1	94-74-6	MCPA	460		100	330	ug/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8151A	1/7/2011		3550B	DE050	24.6	1	94-75-7	2,4-D	4.8	U	1.6	4.8	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8151A	1/7/2011		3550B	DE050	24.6	1	94-82-6	2,4-DB	5.6		0.82	2.3	ug/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	100-01-6	4-NITROANILINE	220	U	88	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	100-02-7	4-NITROPHENOL	660	U	220	660	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	100-51-6	BENZYL ALCOHOL	660	U	220	660	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	105-67-9	2,4-DIMETHYLPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	106-44-5	4-METHYLPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	106-46-7	1,4-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	106-47-8	4-CHLOROANILINE	220	U	88	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	108-68-9	3,5-Dimethylphenol	220	U	44	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	108-95-2	PHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	33	J	22	440	ug/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	118-74-1	HEXACHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	120-82-1	1,2,4-TRICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	120-83-2	2,4-DICHLOROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	121-14-2	2,4-DINITROTOLUENE	220	U	44	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	132-64-9	DIBENZOFURAN	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	51-28-5	2,4-DINITROPHENOL	2700	U	880	2700	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	660	U	220	660	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	541-73-1	1,3-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	59-50-7	4-CHLORO-3-METHYLPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	606-20-2	2,6-DINITROTOLUENE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	62-53-3	ANILINE	660	U	220	660	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	65-85-0	BENZOIC ACID	660	U	220	660	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	67-72-1	HEXACHLOROETHANE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	220	U	44	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	660	U	220	660	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	78-59-1	ISOPHORONE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	86-30-6	N-NITROSODIPHENYLAMINE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	86-74-8	CARBAZOLE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	87-68-3	HEXACHLOROBUTADIENE	220	U	88	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	87-86-5	PENTACHLOROPHENOL	660	U	220	660	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	88-06-2	2,4,6-TRICHLOROPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	88-74-4	2-NITROANILINE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	88-75-5	2-NITROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	91-58-7	2-CHLORONAPHTHALENE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	91-94-1	3,3'-DICHLOROBENZIDINE	440	U	130	440	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	92-87-5	BENZIDINE	4400	U	1500	4400	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	95-48-7	2-METHYLPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	95-50-1	1,2-DICHLOROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	95-57-8	2-CHLOROPHENOL	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	95-95-4	2,4,5-TRICHLOROPHENOL	220	U	44	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	98-95-3	NITROBENZENE	220	U	22	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C	1/18/2011		3550B	DE050	24.6	1	99-09-2	3-NITROANILINE	220	U	44	220	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	117-84-0	Di-n-octylphthalate	24	U	8.0	24	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	120-12-7	ANTHRACENE	2.2	U	0.44	2.2	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	129-00-0	PYRENE	1.4	J	0.88	2.2	ug/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	131-11-3	Dimethylphthalate	24	U	8.0	24	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	191-24-2	BENZO(G,H,I)PERYLENE	2.2	U	0.88	2.2	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	193-39-5	INDENO(1,2,3-CD)PYRENE	2.2	U	0.88	2.2	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	205-99-2	BENZO(B)FLUORANTHENE	2.7		0.88	2.2	ug/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	206-44-0	FLUORANTHENE	2	J	0.88	2.2	ug/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	207-08-9	BENZO(K)FLUORANTHENE	0.91	J	0.88	2.2	ug/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	208-96-8	ACENAPHTHYLENE	2.2	U	0.44	2.2	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	218-01-9	CHRYSENE	2.2		0.44	2.2	ug/kg		J			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	50-32-8	BENZO(A)PYRENE	1.1	J	0.88	2.2	ug/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	53-70-3	DIBENZO(A,H)ANTHRACENE	2.2	U	0.88	2.2	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	56-55-3	BENZO(A)ANTHRACENE	2.2	U	0.88	2.2	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	62-75-9	N-NITROSODIMETHYLAMINE	2.2	U	0.88	2.2	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	83-32-9	ACENAPHTHENE	2.2	U	0.88	2.2	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	84-66-2	Diethylphthalate	24	U	8.0	24	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	84-74-2	Di-n-butylphthalate	24	U	8.0	24	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	85-01-8	PHENANTHRENE	1.6	J	0.88	2.2	ug/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	85-68-7	Butylbenzylphthalate	17	J	8.0	24	ug/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	86-73-7	FLUORENE	2	J	0.88	2.2	ug/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	90-12-0	1-METHYLNAPHTHALENE	2.2	U	0.88	2.2	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	91-20-3	NAPHTHALENE	1.7	J	0.88	2.2	ug/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8270C SIM	1/12/2011		3550B	DE050	24.6	1	91-57-6	2-METHYLNAPHTHALENE	2.2	U	0.88	2.2	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	9045M	12/27/2010		Gen Prep	DE050	24.6	1	pH	PH	7.02		0.0100	0.0100	pH unit					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	ASTM D1498	12/27/2010		Gen Prep	DE050	24.6	1	REDOX	Oxidation Reduction Potential	534		10.0	10.0	mv					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	160.3M	1/7/2011		Gen Prep	DE050	24.6	1	MOIST	MOISTURE	24.6		0.50	0.50	%					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	300.0	1/14/2011		METHOD	DE050	24.6	1	16984-48-8	FLUORIDE	1.3		1.1	1.3	mg/kg		J			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	314.0	1/14/2011		METHOD	DE050	24.6	1	14797-73-0	PERCHLORATE	39.8	U	11.9	39.8	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7429-90-5	ALUMINUM	9390		6.54	26.0	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7439-89-6	IRON	15400		6.12	26.0	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7439-93-2	LITHIUM	21.5		0.29	2.6	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7439-95-4	MAGNESIUM	3420		3.30	13.0	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7439-96-5	MANGANESE	230		0.101	0.650	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7440-09-7	POTASSIUM	3100		23.4	65.0	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7440-23-5	SODIUM	59.6	J	48.5	130	mg/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7440-24-6	STRONTIUM	11.1		0.0806	0.650	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7440-31-5	TIN	13	U	1.30	13.0	mg/kg	U	J	U	B, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7440-32-6	TITANIUM	821		0.494	1.30	mg/kg					MDL	PQL	6344616.999	1907697.74

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7440-42-8	BORON	3.97	J	1.16	6.50	mg/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7440-67-7	Zirconium	2.19	J	1.09	6.50	mg/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7440-70-2	CALCIUM	2200		7.97	26.0	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6010B	12/30/2010	NA	3050B	DE050	24.6	1	7723-14-0	PHOSPHORUS	357		0.728	13.0	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7782-49-2	SELENIUM	0.136	J	0.0515	0.515	mg/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7439-98-7	MOLYBDENUM	0.364	J	0.0644	0.129	mg/kg	J		J	Q	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-39-3	BARIUM	106		0.139	0.515	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7439-92-1	LEAD	10.3	J	0.0134	0.258	mg/kg	J		J	Q	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-02-0	NICKEL	11.6	J	0.129	0.515	mg/kg	J		J	Q, *#	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-22-4	SILVER	0.0238	J	0.0155	0.129	mg/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-28-0	THALLIUM	0.268		0.0386	0.129	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-36-0	ANTIMONY	0.258	UJ	0.0773	0.258	mg/kg	UJ	U	UJ	Q	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-38-2	ARSENIC	6.51	J	0.0773	0.515	mg/kg	J		J	Q	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-41-7	BERYLLIUM	0.513		0.0206	0.129	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-43-9	CADMIUM	0.125	J	0.0464	0.129	mg/kg	J	J	J	Q, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-47-3	CHROMIUM	18.3	J	0.155	0.515	mg/kg	J		J	Q	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-48-4	COBALT	6.8	J	0.0258	0.129	mg/kg	J		J	*#	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-50-8	COPPER	7.54	J	0.0850	0.515	mg/kg	J		J	Q	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-62-2	VANADIUM	37	J	0.0283	0.129	mg/kg	J		J	Q	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	6020	1/3/2011	NA	3050B	DE050	24.6	2	7440-66-6	ZINC	75.6		0.721	3.86	mg/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	7199	1/23/2011		3060A	DE050	24.6	1	18540-29-9	HEXAVALENT CHROMIUM	0.29	J	0.27	1.3	mg/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	7471A	12/28/2010	NA	METHOD	DE050	24.6	1	7439-97-6	MERCURY	0.125	U	0.0036	0.125	mg/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	5	319-86-8	DELTA-BHC	2.4	U	2.4	2.4	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	1024-57-3	HEPTACHLOR EPOXIDE	0.22	U	0.065	0.22	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	1031-07-8	ENDOSULFAN SULFATE	0.45	U	0.088	0.45	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	2385-85-5	MIREX	1.7	U	1.7	1.7	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	309-00-2	ALDRIN	0.13	J	0.088	0.22	ug/kg	J	J	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	319-84-6	ALPHA-BHC	0.22	UJ	0.045	0.22	ug/kg	UJ	U	UJ	L	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	319-85-7	BETA-BHC	0.22	U	0.080	0.22	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	33213-65-9	ENDOSULFAN II	0.45	U	0.088	0.45	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	50-29-3	4,4'-DDT	0.78	U	0.78	0.78	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	53494-70-5	ENDRIN KETONE	0.45	U	0.088	0.45	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	57-74-9	Chlordane	4.5	U	1.1	4.5	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	58-89-9	gamma-BHC (Lindane)	0.16	J	0.045	0.22	ug/kg	J	J	J	L, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	60-57-1	DIELDRIN	0.45	U	0.20	0.45	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	72-20-8	ENDRIN	0.45	U	0.088	0.45	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	72-43-5	METHOXYCHLOR	8.6	U	8.6	8.6	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	72-54-8	4,4'-DDD	0.45	U	0.088	0.45	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	72-55-9	4,4'-DDE	0.85	U	0.85	0.85	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	7421-93-4	ENDRIN ALDEHYDE	0.65	U	0.65	0.65	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	76-44-8	HEPTACHLOR	0.32		0.080	0.22	ug/kg					MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	8001-35-2	TOXAPHENE	8.8	U	2.9	8.8	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8081A	1/26/2011		3550B	DE050	24.6	1	959-98-8	ENDOSULFAN I	0.22	U	0.15	0.22	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	11096-82-5	AROCLOR 1260	1.3	J	0.44	2.3	ug/kg	J	J	J	S, L, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	11097-69-1	AROCLOR 1254	4.2	J	0.44	2.3	ug/kg	J		J	S, L	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	11100-14-4	Aroclor 1268	2.3	U	0.44	2.3	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	11104-28-2	AROCLOR 1221	2.3	U	0.66	2.3	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	11126-42-4	Aroclor 5460	2.1	J	1.3	4.4	ug/kg	J	J	J	S, L, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	11141-16-5	AROCLOR 1232	2.3	U	0.69	2.3	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	12642-23-8	Aroclor 5442	4.4	UJ	1.3	4.4	ug/kg	UJ	U	UJ	L	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	12672-29-6	AROCLOR 1248	2.3	U	0.44	2.3	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	12674-11-2	AROCLOR 1016	2.3	U	0.44	2.3	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	37324-23-5	Aroclor 1262	2.3	U	0.44	2.3	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	53469-21-9	AROCLOR 1242	2.3	U	0.66	2.3	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8082	1/12/2011		3550B	DE050	24.6	1	63496-31-1	Aroclor 5432	4.4	UJ	1.3	4.4	ug/kg	UJ	U	UJ	L	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8151A	1/7/2011		3550B	DE050	24.6	1	120-36-5	DICHLOROPROP	2.3	U	1.1	2.3	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172323	8151A	1/7/2011		3550B	DE050	24.6	1	1918-00-9	DICAMBA	1.6	U	0.53	1.6	ug/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	1746-01-6	2,3,7,8-TCDD	1.33	U	0.0634	1.33	ng/kg		U			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	19408-74-3	1,2,3,7,8,9-HXCDD	6.63	U	0.0475	6.63	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	3268-87-9	OCDD	18.1		0.0489	13.3	ng/kg		B			MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	2.51	J	0.0649	6.63	ng/kg	J	JB	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	39001-02-0	OCDF	13.3	U	0.0650	13.3	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.114	J	0.0493	6.63	ng/kg	J	JBQ	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	40321-76-4	1,2,3,7,8-PECDD	0.223	J	0.0637	6.63	ng/kg	J	JBQ	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	51207-31-9	2,3,7,8-TCDF	0.172	J	0.0889	1.33	ng/kg	J	JQ	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	6.63	U	0.0443	6.63	ng/kg	U	JB	U	B, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	57117-31-4	2,3,4,7,8-PECDF	6.63	U	0.0365	6.63	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	57117-41-6	1,2,3,7,8-PECDF	6.63	U	0.0381	6.63	ng/kg	U	JB	U	B, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	57117-44-9	1,2,3,6,7,8-HXCDF	6.63	U	0.0332	6.63	ng/kg	U	JB	U	B, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	57653-85-7	1,2,3,6,7,8-HXCDD	0.257	J	0.0513	6.63	ng/kg	J	JBQ	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	60851-34-5	2,3,4,6,7,8-HXCDF	6.63	U	0.0359	6.63	ng/kg	U	JB	U	B, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	0.459	J	0.0282	6.63	ng/kg	J	JB	J	Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	70648-26-9	1,2,3,4,7,8-HXCDF	6.63	U	0.0390	6.63	ng/kg	U	JB	U	B, Z	MDL	PQL	6344616.999	1907697.74
SED-039-SIV-SD-0.0-0.5	12/21/2010	N	0	0.5	ft bgs	SE	SED		6172369	1613B	1/29/2011		METHOD	DX033	24.6	1	72918-21-9	1,2,3,7,8,9-HXCDF	6.63	U	0.0434	6.63	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6344616.999	1907697.74
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	160.3M	12/15/2010		Gen Prep	DX020	8.3	1	MOIST	MOISTURE	8.3		0.50	0.50	%					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	1746-01-6	2,3,7,8-TCDD	1.09	U	0.151	1.09	ng/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	19408-74-3	1,2,3,7,8,9-HXCDD	0.493	J	0.182	5.45	ng/kg	J	JBQ	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	3268-87-9	OCDD	312		0.353	10.9	ng/kg		B			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	35822-46-9	1,2,3,4,6,7,8-HPCDD	25.3		0.335	5.45	ng/kg		B			MDL	PQL	6351341.68	1910214.58

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	39001-02-0	OCDF	15.5		0.207	10.9	ng/kg		B			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	39227-28-6	1,2,3,4,7,8-HxCDD	0.283	J	0.176	5.45	ng/kg	J	JBQ	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	40321-76-4	1,2,3,7,8-PECDD	0.316	J	0.149	5.45	ng/kg	J	JBQ	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	51207-31-9	2,3,7,8-TCDF	1.09	U	0.175	1.09	ng/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	55673-89-7	1,2,3,4,7,8,9-HPCDF	5.45	U	0.308	5.45	ng/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	57117-31-4	2,3,4,7,8-PECDF	0.336	J	0.0880	5.45	ng/kg	J	JBQ	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	57117-41-6	1,2,3,7,8-PECDF	0.323	J	0.0916	5.45	ng/kg	J	JBQ	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	57117-44-9	1,2,3,6,7,8-HXCDF	5.45	U	0.133	5.45	ng/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	57653-85-7	1,2,3,6,7,8-HXCDD	1.09	J	0.168	5.45	ng/kg	J	JQ	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	60851-34-5	2,3,4,6,7,8-HXCDF	5.45	U	0.147	5.45	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	67562-39-4	1,2,3,4,6,7,8-HPCDF	4.46	J	0.210	5.45	ng/kg	J	JBQ	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	70648-26-9	1,2,3,4,7,8-HXCDF	5.45	U	0.154	5.45	ng/kg	U	JBQ	U	B, Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163649	1613B	1/12/2011		METHOD	DX020	8.3	1	72918-21-9	1,2,3,7,8,9-HXCDF	5.45	U	0.163	5.45	ng/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	300.0	1/4/2011		METHOD	DE036	8.3	1	16984-48-8	FLUORIDE	1.1	U	0.87	1.1	mg/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	314.0	12/30/2010		METHOD	DE036	8.3	1	14797-73-0	PERCHLORATE	32.7	U	9.8	32.7	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/24/2010	NA	3050B	DE036	8.3	1	7440-23-5	SODIUM	62.3	J	39.9	107	mg/kg	J	J	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/22/2010	NA	3050B	DE036	8.3	1	7440-32-6	TITANIUM	1120		0.410	1.08	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7429-90-5	ALUMINUM	11700		5.38	21.4	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7439-89-6	IRON	18700		5.04	21.4	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7439-93-2	LITHIUM	21.6		0.24	2.1	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7439-95-4	MAGNESIUM	4180		2.72	10.7	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7439-96-5	MANGANESE	252		0.0834	0.535	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7440-09-7	POTASSIUM	3390		19.2	53.5	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7440-24-6	STRONTIUM	13.8		0.0663	0.535	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7440-31-5	TIN	10.7	U	1.07	10.7	mg/kg	U	J	U	B, Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7440-42-8	BORON	5.27	J	0.952	5.35	mg/kg	J	J	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7440-67-7	Zirconium	1.05	J	0.898	5.35	mg/kg	J	J	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7440-70-2	CALCIUM	2320		6.55	21.4	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6010B	12/21/2010	NA	3050B	DE036	8.3	1	7723-14-0	PHOSPHORUS	408		0.599	10.7	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/28/2010	NA	3050B	DE036	8.3	2	7440-43-9	CADMIUM	0.192	J	0.0393	0.109	mg/kg	J		J	Q	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7782-49-2	SELENIUM	0.129	J	0.0436	0.436	mg/kg	J	J	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7439-98-7	MOLYBDENUM	0.471	J	0.0545	0.109	mg/kg	J		J	Q	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-39-3	BARIUM	120	J	0.118	0.436	mg/kg	J		J	E, *#	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7439-92-1	LEAD	10.8	J	0.0113	0.218	mg/kg	J		J	E, Q	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-02-0	NICKEL	13	J	0.109	0.436	mg/kg	J		J	E, Q	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-22-4	SILVER	0.0217	J	0.0131	0.109	mg/kg	J	J	J	Q, Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-28-0	THALLIUM	0.31		0.0327	0.109	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-36-0	ANTIMONY	0.218	R	0.0654	0.218	mg/kg	R	U	R	Q, E	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-38-2	ARSENIC	4.31	J	0.0654	0.436	mg/kg	J		J	E, Q	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-41-7	BERYLLIUM	0.503	J	0.0174	0.109	mg/kg	J		J	E, Q	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-47-3	CHROMIUM	20.5	J	0.131	0.436	mg/kg	J		J	Q	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-48-4	COBALT	6.78	J	0.0218	0.109	mg/kg	J		J	E, Q	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-50-8	COPPER	9.21	J	0.0720	0.436	mg/kg	J		J	E, Q	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-62-2	VANADIUM	41.7		0.0240	0.109	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	6020	12/26/2010	NA	3050B	DE036	8.3	2	7440-66-6	ZINC	77.6		0.611	3.27	mg/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	7199	1/5/2011		3060A	DE036	8.3	1	18540-29-9	HEXAVALENT CHROMIUM	0.44	J	0.22	1.1	mg/kg	J	J	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	7471A	12/20/2010	NA	METHOD	DE036	8.3	1	7439-97-6	MERCURY	0.0039	J	0.0031	0.107	mg/kg	J	J	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	1024-57-3	HEPTACHLOR EPOXIDE	0.18	U	0.050	0.18	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	1031-07-8	ENDOSULFAN SULFATE	0.37	U	0.072	0.37	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	2385-85-5	MIREX	0.37	U	0.072	0.37	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	309-00-2	ALDRIN	0.18	U	0.072	0.18	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	319-84-6	ALPHA-BHC	0.18	U	0.075	0.18	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	319-85-7	BETA-BHC	0.18	U	0.065	0.18	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	319-86-8	DELTA-BHC	0.18	U	0.039	0.18	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	33213-65-9	ENDOSULFAN II	0.37	U	0.13	0.37	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	50-29-3	4,4'-DDT	0.69	U	0.69	0.69	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	53494-70-5	ENDRIN KETONE	0.37	U	0.13	0.37	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	57-74-9	Chlordane	4.1	U	4.1	4.1	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	58-89-9	gamma-BHC (Lindane)	0.3	U	0.30	0.30	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	60-57-1	DIELDRIN	0.37	U	0.18	0.37	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	72-20-8	ENDRIN	0.37	U	0.072	0.37	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	72-43-5	METHOXYCHLOR	1.8	U	0.37	1.8	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	72-54-8	4,4'-DDD	0.37	U	0.072	0.37	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	72-55-9	4,4'-DDE	0.56	U	0.56	0.56	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	7421-93-4	ENDRIN ALDEHYDE	0.37	U	0.25	0.37	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	76-44-8	HEPTACHLOR	0.18	U	0.17	0.18	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	8001-35-2	TOXAPHENE	7.2	U	2.4	7.2	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8081A	12/31/2010		3550B	DE036	8.3	1	959-98-8	ENDOSULFAN I	0.18	U	0.048	0.18	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	11096-82-5	AROCLOR 1260	4.3		0.36	1.9	ug/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	11097-69-1	AROCLOR 1254	2.4		0.36	1.9	ug/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	11100-14-4	Aroclor 1268	1.9	U	0.36	1.9	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	11104-28-2	AROCLOR 1221	1.9	U	0.55	1.9	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	11126-42-4	Aroclor 5460	4.2	J	1.1	3.6	ug/kg	J		J	L	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	11141-16-5	AROCLOR 1232	1.9	U	0.57	1.9	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	12642-23-8	Aroclor 5442	3.6	UJ	1.1	3.6	ug/kg	UJ	U	UJ	L	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	12672-29-6	AROCLOR 1248	1.9	U	0.36	1.9	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	12674-11-2	AROCLOR 1016	1.9	U	0.36	1.9	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	37324-23-5	Aroclor 1262	1.9	U	0.36	1.9	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	53469-21-9	AROCLOR 1242	1.9	U	0.55	1.9	ug/kg		U			MDL	PQL	6351341.68	1910214.58

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8082	12/22/2010		3550B	DE036	8.3	1	63496-31-1	Aroclor 5432	3.6	UJ	1.1	3.6	ug/kg	UJ	U	UJ	L	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8151A	12/28/2010		3550B	DE036	8.3	1	120-36-5	DICHLOROPROP	1.9	U	0.87	1.9	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8151A	12/28/2010		3550B	DE036	8.3	1	1918-00-9	DICAMBA	1.3	U	0.44	1.3	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8151A	12/28/2010		3550B	DE036	8.3	1	75-99-0	DALAPON	9.8	U	4.8	9.8	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8151A	12/28/2010		3550B	DE036	8.3	1	88-85-7	DINOSEB	2.6	R	0.87	2.6	ug/kg	R	U	R	L	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8151A	12/28/2010		3550B	DE036	8.3	1	93-65-2	MCPP	410		82	270	ug/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8151A	12/28/2010		3550B	DE036	8.3	1	93-72-1	2,4,5-TP (Silvex)	0.19	U	0.082	0.19	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8151A	12/28/2010		3550B	DE036	8.3	1	93-76-5	2,4,5-T	0.19	U	0.089	0.19	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8151A	12/28/2010		3550B	DE036	8.3	1	94-74-6	MCPA	580	U	580	580	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8151A	12/28/2010		3550B	DE036	8.3	1	94-75-7	2,4-D	3.9	U	1.3	3.9	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8151A	12/28/2010		3550B	DE036	8.3	1	94-82-6	2,4-DB	1.9	U	0.68	1.9	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	100-01-6	4-NITROANILINE	180	U	73	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	100-02-7	4-NITROPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	100-51-6	BENZYL ALCOHOL	550	U	180	550	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	101-55-3	4-BROMOPHENYL-PHENYLETHER	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	105-67-9	2,4-DIMETHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	106-44-5	4-METHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	106-46-7	1,4-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	106-47-8	4-CHLOROANILINE	180	U	73	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	108-68-9	3,5-Dimethylphenol	180	U	36	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	108-95-2	PHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	111-44-4	BIS(2-CHLOROETHYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	111-91-1	BIS(2-CHLOROETHOXY)METHANE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	360	U	18	360	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	118-74-1	HEXACHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	120-82-1	1,2,4-TRICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	120-83-2	2,4-DICHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	121-14-2	2,4-DINITROTOLUENE	180	U	36	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	122-66-7	1,2-Diphenylhydrazine/Azobenzene	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	132-64-9	DIBENZOFURAN	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	39638-32-9	BIS(2-CHLOROISOPROPYL) ETHER	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	51-28-5	2,4-DINITROPHENOL	2200	U	730	2200	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	534-52-1	4,6-DINITRO-2-METHYLPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	541-73-1	1,3-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	59-50-7	4-CHLORO-3-METHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	606-20-2	2,6-DINITROTOLUENE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	62-53-3	ANILINE	550	U	180	550	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	65-85-0	BENZOIC ACID	550	U	180	550	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	67-72-1	HEXACHLOROETHANE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	180	U	36	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	77-47-4	HEXACHLOROCYCLOPENTADIENE	550	U	180	550	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	78-59-1	ISOPHORONE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	86-30-6	N-NITROSODIPHENYLAMINE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	86-74-8	CARBAZOLE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	87-68-3	HEXACHLOROBUTADIENE	180	U	73	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	87-86-5	PENTACHLOROPHENOL	550	U	180	550	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	88-06-2	2,4,6-TRICHLOROPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	88-74-4	2-NITROANILINE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	88-75-5	2-NITROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	91-58-7	2-CHLORONAPHTHALENE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	91-94-1	3,3'-DICHLOROBENZIDINE	360	UJ	110	360	ug/kg	UJ	U	UJ	L	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	92-87-5	BENZIDINE	3600	U	1300	3600	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	95-48-7	2-METHYLPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	95-50-1	1,2-DICHLOROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	95-57-8	2-CHLOROPHENOL	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	95-95-4	2,4,5-TRICHLOROPHENOL	180	U	36	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	98-95-3	NITROBENZENE	180	U	18	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C	1/14/2011		3550B	DE036	8.3	1	99-09-2	3-NITROANILINE	180	U	36	180	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	117-84-0	Di-n-octylphthalate	20	U	6.5	20	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	120-12-7	ANTHRACENE	0.38	J	0.36	1.8	ug/kg	J	J	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	129-00-0	PYRENE	2.3		0.73	1.8	ug/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	131-11-3	Dimethylphthalate	20	U	6.5	20	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	191-24-2	BENZO(G,H,I)PERYLENE	1.8	U	0.73	1.8	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	193-39-5	INDENO(1,2,3-CD)PYRENE	1.8	U	0.73	1.8	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	205-99-2	BENZO(B)FLUORANTHENE	2.1		0.73	1.8	ug/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	206-44-0	FLUORANTHENE	3.2		0.73	1.8	ug/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	207-08-9	BENZO(K)FLUORANTHENE	0.73	J	0.73	1.8	ug/kg	J	J	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	208-96-8	ACENAPHTHYLENE	1.8	U	0.36	1.8	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	218-01-9	CHRYSENE	1.8		0.36	1.8	ug/kg		J			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	50-32-8	BENZO(A)PYRENE	0.79	J	0.73	1.8	ug/kg	J	J	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	53-70-3	DIBENZO(A,H)ANTHRACENE	1.8	U	0.73	1.8	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	56-55-3	BENZO(A)ANTHRACENE	0.84	J	0.73	1.8	ug/kg	J	J	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	62-75-9	N-NITROSODIMETHYLAMINE	1.8	U	0.73	1.8	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	83-32-9	ACENAPHTHENE	1.8	U	0.73	1.8	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	84-66-2	Diethylphthalate	20	U	6.5	20	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	84-74-2	Di-n-butylphthalate	20	U	6.5	20	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	85-01-8	PHENANTHRENE	2.4		0.73	1.8	ug/kg					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	85-68-7	Butylbenzylphthalate	20	U	6.5	20	ug/kg		U			MDL	PQL	6351341.68	1910214.58

HSA Drainage Sediment Sample Results
Analyzed by Lancaster Laboratories

Sample Name	Sample Date	Sample Type Code	Start Depth	End Depth	Depth Unit	Matrix Code	Task Code	Parent Sample Code	Lab Sample ID	Analytic Method	Analysis Date	Fraction	Prep Method	Lab SDG	Percent Moisture	Dilution Factor	Cas RN	Chemical Name	Report Result Value	Final Qualifiers	Method Detection Limit	Reporting Detection Limit	Report Result Unit	Validator Qualifiers	Lab Qual.	DQM Qual.	DQM Remarks	DL Type	RL Type	x coordinate	y coordinate
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	86-73-7	FLUORENE	1.8	U	0.73	1.8	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	90-12-0	1-METHYLNAPHTHALENE	1.8	U	0.73	1.8	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	91-20-3	NAPHTHALENE	1.3	J	0.73	1.8	ug/kg	J	J	J	Z	MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	8270C SIM	12/23/2010		3550B	DE036	8.3	1	91-57-6	2-METHYLNAPHTHALENE	1.8	U	0.73	1.8	ug/kg		U			MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	9045M	12/15/2010		Gen Prep	DE036	8.3	1	pH	PH	7.01		0.0100	0.0100	pH unit					MDL	PQL	6351341.68	1910214.58
SED-040-SIV-SD-0.0-0.5	12/13/2010	N	0	0.5	ft bgs	SE	SED		6163613	ASTM D1498	12/15/2010		Gen Prep	DE036	8.3	1	REDOX	Oxidation Reduction Potential	494		10.0	10.0	mv					MDL	PQL	6351341.68	1910214.58