Table Mo-5: Molybdenum EQIS CRMs						
Results of Duplicate Analysis of EQIS CRMs						
Sample	Result	Date	Batch	Detect	Average	RPD
ES-Z11-080605A	20.9	5/1/09	57147	Y		
ES-Z11-080605B	20.1	5/1/09	57147	Y	20.5	4
ES-Z09-080529A	17.2	5/1/09	57284	Y		
ES-Z09-080529B	17.3	5/1/09	57284	Y	17.3	1
ES-Z12-080606A	18.1	5/1/09	57284	Y		
ES-Z12-080606B	17.5	5/1/09	57284	Y	17.8	3
ES-Z05-080519A	19.4	5/11/09	57543	Y		
ES-Z05-080519B	19.1	5/11/09	57543	Y	19.3	2
ES-Z06-080520A	18.9	5/11/09	57543	Y		
ES-Z06-080520B	18.1	5/11/09	57543	Y	18.5	4
ES-Z07-080522A	21.2	5/24/09	57792	Y		
ES-Z07-080522B	20.6	5/24/09	57792	Y	20.9	3
ES-Z13-080610A	18.3	5/28/09	57847	Y		
ES-Z13-080610B	20.3	5/28/09	57847	Y	19.3	10
ES-Z10-080602A	20	6/9/09	58135	Y		
ES-Z10-080602B	22.8	6/9/09	58135	Y	21.4	13
ES-Z08-080527A	24.3	6/10/09	58212	Y		
ES-Z08-080527B	24.7	6/10/09	58212	Y	24.5	2
ES-Z14-080611A	27	6/20/09	58565	Y		
ES-Z14-080611B	26.1	6/20/09	58565	Y	26.6	3
ES-Z06-080520C	22.9	6/29/09	58728	Y		
ES-Z06-080520D	25.1	6/29/09	58728	Y	24.0	9
ES-Z05-080519C	23.5	7/8/09	59163	Y		
ES-Z05-080519D	22.1	7/8/09	59163	Y	22.8	6
ES-Z19-080624A	23.9	7/13/09	59381	Y		
ES-Z19-080624B	23.1	7/13/09	59381	Y	23.5	3
WS-Z17-080618A	24.4	7/13/09	59381	Y		
WS-Z17-080618B	24.1	7/13/09	59381	Y	24.3	1
WS-Z15-080613A	23.4	7/20/09	59621	Y		
WS-Z15-080613B	24	7/20/09	59621	Y	23.7	3
WS-Z18-080620A	*23.1*	7/20/09	59621	Y		
WS-Z18-080620B	23.5	7/20/09	59621	Y	23.3	2
WS-Z16-080617A	24.5	7/29/09	59889	Y		
WS-Z16-080617B	23.8	7/29/09	59889	Y	24.2	3
ES-Z22-091021A	0.59	11/5/09	62754	Y		
ES-Z22-091021B	0.55	11/5/09	62754	Y	0.6	7
ES-Z23-091022A	26.9	11/5/09	62754	Y		
ES-Z23-091022B	26.8	11/5/09	62754	Y	26.9	0
ES-Z24-091103A	25.3	11/25/09	63215	Y		
ES-Z24-091103B	24.5	11/25/09	63215	Y	24.9	3
ES-Z25-091104A	26.4	11/25/09	63215	Y		
ES-Z25-091104B	25.5	11/25/09	63215	Y	26.0	3
ES-Z26-091105A	20.7	12/8/09	63405	Y		
ES-Z26-091105B	21.1	12/8/09	63405	Y	20.9	2
ES-Z27-091106A	20.9	12/8/09	63405	Y		
ES-Z27-091106B	20.5	12/8/09	63405	Y	20.7	2
WS-Z29-091217A	21.3	1/5/10	63970	Y		
WS-Z29-091217B	23	1/5/10	63970	Y	22.2	8
WS-Z30-091230A	22.4	1/19/10	64128	Y		
WS-Z30-091230B	22.1	1/19/10	64128	Y	22.3	1
WS-Z31-100107A	23.1	1/19/10	64206	Y		
WS-Z31-100107B	22.4	1/19/10	64206	Y	22.8	3

Table Mo-5: Molybdenum EQIS CRMs (continued)

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z32-100113A	23.8	1/27/10	64333	Y		
WS-Z32-100113B	23.4	1/27/10	64333	Y	23.6	2
ES-Z33-100225A	23.9	3/5/10	65036	Y		
ES-Z33-100225B	24.5	3/5/10	65036	Y	24.2	2

Analysis of EQIS CRMs		*RPD of EQIS CRMs*	
Mean	22	Mean	4
Median	23	Median	3
Standard Deviation	5	Standard Deviation	3
Sample Variance	23	Sample Variance	9
Kurtosis	12	Kurtosis	2
Skewness	-3	Skewness	2
Range	26	Range	13
Minimum	1	Minimum	0
Maximum	27	Maximum	13
Sum	1213	Sum	106
Count	56	Count	28
Largest(2)	27	Largest(2)	10
Smallest(2)	1	Smallest(2)	1

Table Mo-6:Molybdenum Laboratory MS and LCS					
Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
94	7160081	4	92	7160081	4
89	49187	7	101	49187	7
85	49189	8	90	49189	8
100	49537	28	102	49537	28
96	49539	30	104	49539	30
84	54626-627	68	90	54626-627	68
83	54821-822	71	89	54821-822	71
81	54891	75	93	54891	75
89	54915	76	91	54915	76
87	57147	109	92	57147	109
85	57223	112	92	57223	112
82	57543	127	100	57543	127
83	57792	136	97	57792	136
81	57847	137	90	57847	137
80	58135	149	98	58135	149
120	58212	150	116	58212	150
97	58565	162	109	58565	162
78	58728	166	92	58728	166
87	59163	172	100	59163	172
96	59381	186	103	59381	186
93	59621	190	100	59621	190
90	59757	199	97	59757	199
89	59889	204	99	59889	204
99	60088	213	102	60088	213
94	60439	224	101	60439	224
94	61414	244	99	61414	244
94	61790	250	103	61790	250
98	62499	259	110	62499	259
99	62754	265	113	62754	265
94	63215	281	106	63215	281
88	63405	291	96	63405	291
91	63529	294	97	63529	294
92	63970	301	94	63970	301
88	64128	313	101	64128	313
84	64206	314	98	64206	314
77	64435	339	80	64333	330
75	64333	330	86	64435	339
87	65036	349	100	65036	349
88	70142	367	102	70142	367

Average MS Recovery = 90	%	Average LCS Recovery = 98	%
Minimum MS Recovery = 75	%	Minimum LCS Recovery = 80	%

Table Mo-6:Molybdenum Laboratory MS and LCS (Graph)

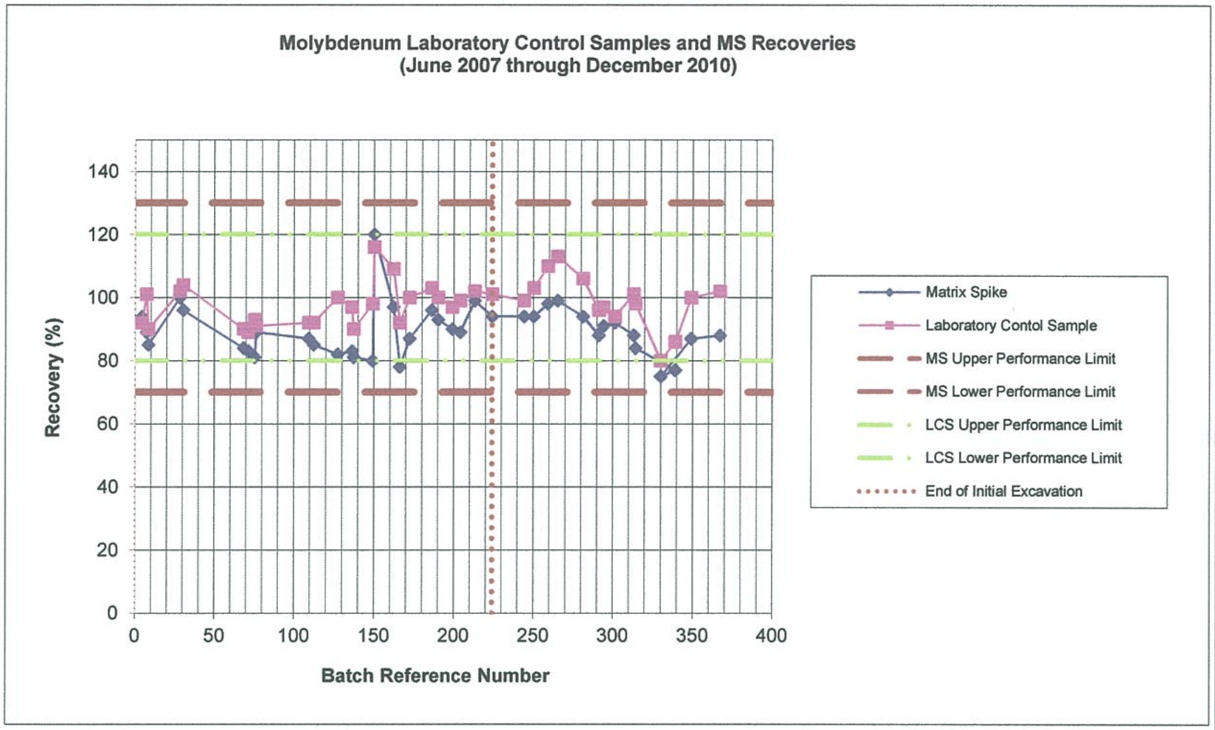


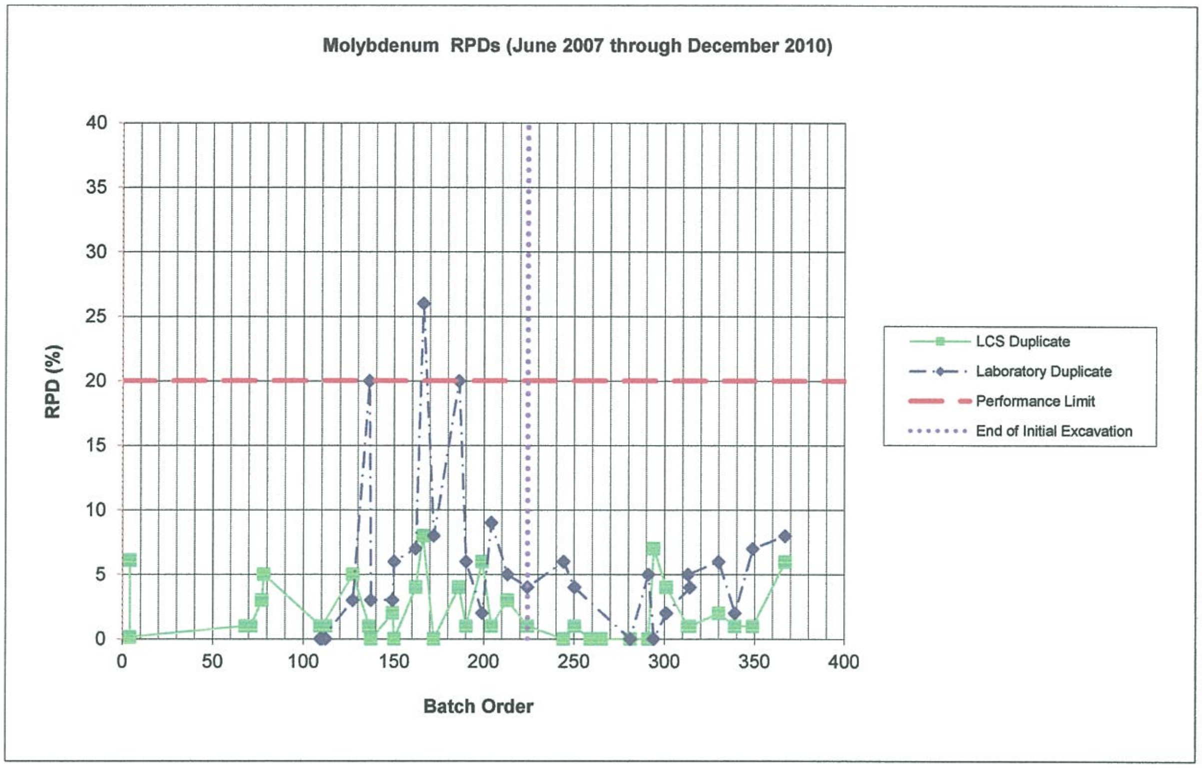
Table Mo-7:Molybdenum - Laboratory Duplicates and LCS Duplicates

Laboratory Duplicate RPD	Batch Order	LCS RPD	Batch Order
0 57147	109	6.1 7160081	4
0 57223	112	0.15 7160081	4
0 57284	110	1 54626-627	68
3 57543	127	1 54821-822	71
20 57792	136	3 54891	77
3 57847	137	5 54915	78
3 58135	149	1 57147	109
6 58212	150	1 57223	112
7 58565	162	1 57284	110
26 58728	166	5 57543	127
8 59163	172	1 57792	136
20 59381	186	0 57847	137
6 59621	190	2 58135	149
2 59757	199	0 58212	150
9 59889	204	4 58565	162
5 60088	213	8 58728	166
4 60439	224	0 59163	172
6 61414	244	4 59381	186
4 61790	250	1 59621	190
0 63215	281	6 59757	199
5 63405	291	1 59889	204
0 63529	294	3 60088	213
2 63970	301	1 60439	224
4 64206	314	0 61414	244
5 64128	313	1 61790	250
6 64333	330	0 62499	259
2 64435	339	0 62754	265
7 65036	349	0 63215	281
8 70142	367	0 63405	291
		7 63529	294
		4 63970	301
		1 64128	313
		1 64206	314
		2 64333	330
		1 64435	339
		1 65036	349
		6 70142	367

Average Duplicate RPD = 6 % Average LCS RPD = 2 %

Maximum Duplicate RPD = 26 % Maximum LCS RPD = 8 %

Table Mo-7:Molybdenum - Laboratory Duplicates and LCS Duplicates (Graph)



MOLYBDENUM Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	date	batch_id	_flag	sample_name
East Site	A1	ES-A01-090910	MOLYBDENUM	4.6	09/23/09	61414	Y	ES-A01-090910
East Site	A1	ES-A01-102109	MOLYBDENUM	4.9	11/05/09	62754	Y	DUP-40
East Site	B1	ES-B01-080623	MOLYBDENUM	4.6	05/01/09	57147	Y	ES-B01-080623
East Site	C1	ES-C01-080624	MOLYBDENUM	4.1	05/01/09	57147	Y	ES-C01-080624
East Site	C1	ES-C01-090910	MOLYBDENUM	4.6	10/28/09	62499	Y	DUP-39
East Site	C1	ES-C01-090910	MOLYBDENUM	4.5	11/09/09	61414	Y	ES-C01-090910
East Site	D1	ES-D01-080624	MOLYBDENUM	4.2	06/09/09	58135	Y	ES-D01-080624
East Site	E1	ES-E01-090910	MOLYBDENUM	4.6	09/23/09	61414	Y	ES-E01-090910
East Site	E2	ES-E02-090910	MOLYBDENUM	5	09/23/09	61414	Y	ES-E02-090910
East Site	F1	ES-F01-080529	MOLYBDENUM	3.7	05/01/09	57284	Y	DUP-17
East Site	F1	ES-F01-080529	MOLYBDENUM	3.8	05/11/09	57543	Y	ES-F01-080529
East Site	G1	ES-G01-080529	MOLYBDENUM	3.6	05/11/09	57543	Y	ES-G01-080529
East Site	G2	ES-G02-080605	MOLYBDENUM	3.5	05/11/09	57543	Y	ES-G02-080605
East Site	H1	ES-H01-080528	MOLYBDENUM	4.1	05/11/09	57543	Y	ES-H01-080528
East Site	H1	ES-H01-091105	MOLYBDENUM	4.3	12/08/09	63405	Y	ES-H01-091105
East Site	H2	ES-H02-080515	MOLYBDENUM	4.1	05/11/09	57543	Y	ES-H02-080515
East Site	H3	ES-H03-080605	MOLYBDENUM	3.8	05/24/09	57792	Y	ES-H03-080605
East Site	I1	ES-I01-080529	MOLYBDENUM	4.3	05/24/09	57792	Y	ES-I01-080529
East Site	I1	ES-I01-091105	MOLYBDENUM	4.6	12/08/09	63405	Y	ES-I01-091105
East Site	I2	ES-I02-080514	MOLYBDENUM	4.3	05/24/09	57792	Y	ES-I02-080514
East Site	I3	ES-I03-080513	MOLYBDENUM	3.2	05/24/09	57792	Y	ES-I03-080513
East Site	I4	ES-I04-080602	MOLYBDENUM	3.2	05/24/09	57792	Y	ES-I04-080602
East Site	I4	ES-I04-091106	MOLYBDENUM	4.4	12/08/09	63405	Y	ES-I04-091106
East Site	J1	ES-J01-080529	MOLYBDENUM	4.1	05/24/09	57792	Y	ES-J01-080529
East Site	J2	ES-J02-080527	MOLYBDENUM	3.6	05/11/09	57543	Y	DUP-15
East Site	J2	ES-J02-080527	MOLYBDENUM	3.6	05/24/09	57792	Y	ES-J02-080527
East Site	J2	ES-J02-091105	MOLYBDENUM	4.3	12/08/09	63405	Y	ES-J02-091105
East Site	J3	ES-J03-080513	MOLYBDENUM	3.4	05/01/09	57147	Y	DUP-11
East Site	J3	ES-J03-080513	MOLYBDENUM	4	06/20/09	58565	Y	ES-J03-080513
East Site	J3	ES-J03-091103	MOLYBDENUM	4.3	11/25/09	63215	Y	ES-J03-091103
East Site	J4	ES-J04-080530	MOLYBDENUM	3.1	05/11/09	57543	Y	DUP-18
East Site	J4	ES-J04-080530	MOLYBDENUM	3.3	05/24/09	57792	Y	ES-J04-080530
East Site	J4	ES-J04-091103	MOLYBDENUM	3.9	11/25/09	63215	Y	ES-J04-091103
East Site	J5	ES-J05-080602	MOLYBDENUM	3.8	05/24/09	57792	Y	ES-J05-080602
East Site	J5	ES-J05-091124	MOLYBDENUM	3.9	12/15/09	63529	Y	ES-J05-091124
East Site	J5	ES-J05-091124	MOLYBDENUM	4	01/19/10	64128	Y	DUP-45
East Site	J5	ES-J05-100112	MOLYBDENUM	4.2	01/27/10	64333	Y	ES-J05-100112
East Site	K1	ES-K01-080602	MOLYBDENUM	3.5	05/24/09	57792	Y	ES-K01-080602
East Site	K2	ES-K02-080602	MOLYBDENUM	3.5	05/11/09	57543	Y	ES-K02-080602
East Site	K2	ES-K02-091103	MOLYBDENUM	4.8	11/25/09	63215	Y	ES-K02-091103
East Site	K2	ES-K02-091103	MOLYBDENUM	4.5	01/27/10	64333	Y	DUP-47
East Site	K3	ES-K03-080514	MOLYBDENUM	4	05/24/09	57792	Y	ES-K03-080514
East Site	K3	ES-K03-091103	MOLYBDENUM	5	11/25/09	63215	Y	ES-K03-091103
East Site	K4	ES-K04-080527	MOLYBDENUM	3.3	05/28/09	57847	Y	ES-K04-080527
East Site	K5	ES-K05-080605	MOLYBDENUM	3	05/28/09	57847	Y	ES-K05-080605
East Site	K5	ES-K05-080605	MOLYBDENUM	3.2	05/28/09	57847	Y	DUP-19
East Site	K7	ES-K07-080611	MOLYBDENUM	4.4	05/01/09	57284	Y	ES-K07-080611
East Site	K7	ES-K07-090924	MOLYBDENUM	5.2	10/05/09	61790	Y	ES-K07-090924

MOLYBDENUM Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	date	batch_id	_flag	sample_name
East Site	K7	ES-K07-091123	MOLYBDENUM	4.5	12/14/09	63529	Y	ES-K07-091123
East Site	L1	ES-L01-080625	MOLYBDENUM	4.3	05/28/09	57847	Y	ES-L01-080625
East Site	L2	ES-L02-080625	MOLYBDENUM	4.5	05/28/09	57847	Y	ES-L02-080625
East Site	L3	ES-L03-080604	MOLYBDENUM	3.5	05/28/09	57847	Y	ES-L03-080604
East Site	L3	ES-L03-091104	MOLYBDENUM	4.8	11/25/09	63215	Y	ES-L03-091104
East Site	L4	ES-L04-080604	MOLYBDENUM	4.5	06/20/09	58565	Y	ES-L04-080604
East Site	L4	ES-L04-091104	MOLYBDENUM	4.8	11/25/09	63215	Y	ES-L04-091104
East Site	L5	ES-L05-091104	MOLYBDENUM	4.7	11/25/09	63215	Y	ES-L05-091104
East Site	L6	ES-L06-091104	MOLYBDENUM	4.8	11/25/09	63215	Y	ES-L06-091104
East Site	M1	ES-M01-080527	MOLYBDENUM	3.3	05/28/09	57847	Y	ES-M01-080527
East Site	M2	ES-M02-080519	MOLYBDENUM	4	05/28/09	57847	Y	ES-M02-080519
East Site	M3	ES-M03-091022	MOLYBDENUM	5.2	11/05/09	62754	Y	ES-M03-091022
East Site	M3	ES-M03-091228	MOLYBDENUM	4	01/19/10	64128	Y	ES-M03-091228
East Site	M4	ES-M04-080515	MOLYBDENUM	4.1	05/28/09	57847	Y	ES-M04-080515
East Site	M5	ES-M05-080527	MOLYBDENUM	3.9	05/28/09	57847	Y	ES-M05-080527
East Site	M6	ES-M06-080520	MOLYBDENUM	3.9	05/28/09	57847	Y	ES-M06-080520
East Site	M6	ES-M06-091105	MOLYBDENUM	4.3	12/08/09	63405	Y	ES-M06-091105
East Site	M7	ES-M07-091105	MOLYBDENUM	4.6	12/08/09	63405	Y	ES-M07-091105
East Site	M8	ES-M08-080610	MOLYBDENUM	4.5	05/01/09	57284	Y	ES-M08-080610
East Site	M8	ES-M08-090924	MOLYBDENUM	5.5	10/05/09	61790	Y	ES-M08-090924
East Site	M8	ES-M08-091123	MOLYBDENUM	4.7	12/15/09	63529	Y	ES-M08-091123
East Site	M9	ES-M09-080611	MOLYBDENUM	3.5	05/01/09	57284	Y	ES-M09-080611
East Site	N2	ES-N02-080528	MOLYBDENUM	3.1	05/28/09	57847	Y	ES-N02-080528
East Site	N3	ES-N03-080520	MOLYBDENUM	3.6	05/28/09	57847	Y	ES-N03-080520
East Site	N4	ES-N04-080519	MOLYBDENUM	3.7	05/28/09	57847	Y	ES-N04-080519
East Site	N5	ES-N05-080519	MOLYBDENUM	3.5	05/28/09	57847	Y	ES-N05-080519
East Site	N5	ES-N05-091105	MOLYBDENUM	4	12/08/09	63405	Y	ES-N05-091105
East Site	N6	ES-N06-080527	MOLYBDENUM	3.6	06/09/09	58135	Y	ES-N06-080527
East Site	N7	ES-N07-080530	MOLYBDENUM	5.5	06/09/09	58135	Y	ES-N07-080530
East Site	N7	ES-N07-100225	MOLYBDENUM	5.7	03/05/10	65036	Y	ES-N07-100225
East Site	N8	ES-N08-080610	MOLYBDENUM	4	05/01/09	57284	Y	ES-N08-080610
East Site	N8	ES-N08-090924	MOLYBDENUM	5.5	10/05/09	61790	Y	ES-N08-090924
East Site	N8	ES-N08-091124	MOLYBDENUM	4.7	12/15/09	63529	Y	ES-N08-091124
East Site	N9	ES-N09-080610	MOLYBDENUM	4	05/04/09	57284	Y	ES-N09-080610
East Site	N9	ES-N09-090924	MOLYBDENUM	5.2	10/05/09	61790	Y	ES-N09-090924
East Site	N10	ES-N10-080610	MOLYBDENUM	4.2	05/01/09	57284	Y	ES-N10-080610
East Site	O3	ES-O03-080528	MOLYBDENUM	3.3	06/09/09	58135	Y	ES-O03-080528
East Site	O4	ES-O04-080515	MOLYBDENUM	3.5	06/09/09	58135	Y	ES-O04-080515
East Site	O5	ES-O05-080520	MOLYBDENUM	3	06/09/09	58135	Y	ES-O05-080520
East Site	O6	ES-O06-080529	MOLYBDENUM	3.5	06/09/09	58135	Y	ES-O06-080529
East Site	O6	ES-O06-091105	MOLYBDENUM	3.3	12/08/09	63405	Y	ES-O06-091105
East Site	O7	ES-O07-100225	MOLYBDENUM	4.8	03/05/10	65036	Y	ES-O07-100225
East Site	O8	ES-O08-080530	MOLYBDENUM	4.1	07/27/09	59757	Y	ES-O08-080530
East Site	O8	ES-O08-100225	MOLYBDENUM	4.5	03/05/10	65036	Y	ES-O08-100225
East Site	O9	ES-O09-091014	MOLYBDENUM	6.2	10/28/09	62499	Y	ES-O09-091014
East Site	O9	ES-O09-092309	MOLYBDENUM	5.7	10/05/09	61790	Y	ES-O09-092309
East Site	O10	ES-O10-091014	MOLYBDENUM	5.9	10/28/09	62499	Y	ES-O10-091014
East Site	O10	ES-O10-091123	MOLYBDENUM	4.8	12/14/09	63529	Y	ES-O10-091123

MOLYBDENUM Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	date	batch_id	_flag	sample_name
East Site	O10	ES-O10-092309	MOLYBDENUM	5.3	10/05/09	61790	Y	ES-O10-092309
East Site	P4	ES-P04-080528	MOLYBDENUM	2.9	05/24/09	57792	Y	DUP-16
East Site	P4	ES-P04-080528	MOLYBDENUM	2.8	06/09/09	58135	Y	ES-P04-080528
East Site	P5	ES-P05-080513	MOLYBDENUM	2.7	06/09/09	58135	Y	ES-P05-080513
East Site	P6	ES-P06-080515	MOLYBDENUM	3.6	05/24/09	57792	Y	DUP-12
East Site	P6	ES-P06-080515	MOLYBDENUM	3.5	06/09/09	58135	Y	ES-P06-080515
East Site	P7	ES-P07-080519	MOLYBDENUM	3.7	05/28/09	57847	Y	ES-P07-080519
East Site	P7	ES-P07-091022	MOLYBDENUM	4.9	11/05/09	62754	Y	ES-P07-091022
East Site	P8	ES-P08-080530	MOLYBDENUM	3.8	06/09/09	58135	Y	ES-P08-080530
East Site	P10	ES-P10-080606	MOLYBDENUM	3.9	05/01/09	57284	Y	ES-P10-080606
East Site	P10	ES-P10-091014	MOLYBDENUM	5.5	10/28/09	62499	Y	ES-P10-091014
East Site	P10	ES-P10-092309	MOLYBDENUM	5.4	10/05/09	61790	Y	ES-P10-092309
East Site	P11	ES-P11-080606	MOLYBDENUM	3.8	05/01/09	57284	Y	ES-P11-080606
East Site	P11	ES-P11-092309	MOLYBDENUM	5.5	10/05/09	61790	Y	ES-P11-092309
East Site	Q5	ES-Q05-080520	MOLYBDENUM	5	06/09/09	58135	Y	ES-Q05-080520
East Site	Q5	ES-Q05-091105	MOLYBDENUM	5.6	12/08/09	63405	Y	ES-Q05-091105
East Site	Q6	ES-Q06-091021	MOLYBDENUM	3.8	11/05/09	62754	Y	ES-Q06-091021
East Site	Q7	ES-Q07-091021	MOLYBDENUM	4	11/05/09	62754	Y	ES-Q07-091021
East Site	Q7	ES-Q07-091228	MOLYBDENUM	3.4	01/19/10	64128	Y	ES-Q07-091228
East Site	Q8	ES-Q08-091021	MOLYBDENUM	4.9	11/05/09	62754	Y	ES-Q08-091021
East Site	Q8	ES-Q08-091228	MOLYBDENUM	3.8	01/19/10	64128	Y	ES-Q08-091228
East Site	Q9	ES-Q09-080612	MOLYBDENUM	3.8	06/09/09	58135	Y	ES-Q09-080612
East Site	Q10	ES-Q10-080606	MOLYBDENUM	4.2	05/11/09	57543	Y	ES-Q10-080606
East Site	Q10	ES-Q10-091123	MOLYBDENUM	4.3	12/14/09	63529	Y	ES-Q10-091123
East Site	Q10	ES-Q10-092309	MOLYBDENUM	5.3	10/05/09	61790	Y	ES-Q10-092309
East Site	Q11	ES-Q11-080606	MOLYBDENUM	4	05/11/09	57543	Y	ES-Q11-080606
East Site	Q17	ES-Q17-080609	MOLYBDENUM	4.2	05/01/09	57147	Y	ES-Q17-080609
East Site	R5	ES-R05-080521	MOLYBDENUM	4.6	06/09/09	58135	Y	ES-R05-080521
East Site	R5	ES-R05-091105	MOLYBDENUM	3.6	12/08/09	63405	Y	ES-R05-091105
East Site	R6	ES-R06-080521	MOLYBDENUM	3.2	06/20/09	58565	Y	ES-R06-080521
East Site	R7	ES-R07-080521	MOLYBDENUM	2.8	06/10/09	58212	Y	ES-R07-080521
East Site	R8	ES-R08-091021	MOLYBDENUM	4.1	11/05/09	62754	Y	ES-R08-091021
East Site	R8	ES-R08-091021	MOLYBDENUM	3.4	01/19/10	64206	Y	DUP-46
East Site	R9	ES-R09-080520	MOLYBDENUM	3.8	06/10/09	58212	Y	ES-R09-080520
East Site	R10	ES-R10-080602	MOLYBDENUM	3.8	06/10/09	58212	Y	ES-R10-080602
East Site	R11	ES-R11-080605	MOLYBDENUM	3.7	05/11/09	57543	Y	ES-R11-080605
East Site	R11	ES-R11-090910	MOLYBDENUM	5.2	10/28/09	62499	Y	DUP-38
East Site	R11	ES-R11-090910	MOLYBDENUM	4.8	11/09/09	61414	Y	ES-R11-090910
East Site	R12	ES-R12-080611	MOLYBDENUM	3.8	05/11/09	57543	Y	ES-R12-080611
East Site	R16	ES-R16-080605	MOLYBDENUM	3.5	05/01/09	57147	Y	ES-R16-080605
East Site	R17	ES-R17-080606	MOLYBDENUM	4.3	05/01/09	57147	Y	ES-R17-080606
East Site	S5	ES-S05-080521	MOLYBDENUM	3.9	06/10/09	58212	Y	ES-S05-080521
East Site	S6	ES-S06-080521	MOLYBDENUM	3.8	06/10/09	58212	Y	ES-S06-080521
East Site	S7	ES-S07-080521	MOLYBDENUM	3.2	06/10/09	58212	Y	ES-S07-080521
East Site	S8	ES-S08-091015	MOLYBDENUM	3.7	10/28/09	62499	Y	ES-S08-091015
East Site	S9	ES-S09-080522	MOLYBDENUM	3.2	06/10/09	58212	Y	ES-S09-080522
East Site	S10	ES-S10-080523	MOLYBDENUM	3.5	06/10/09	58212	Y	ES-S10-080523
East Site	S11	ES-S11-080528	MOLYBDENUM	4.2	06/10/09	58212	Y	ES-S11-080528

MOLYBDENUM Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	date	batch_id	_flag	sample_name
East Site	S12	ES-S12-080609	MOLYBDENUM	4.2	05/01/09	57147	Y	ES-S12-080609
East Site	S13	ES-S13-080610	MOLYBDENUM	3.8	05/01/09	57147	Y	ES-S13-080610
East Site	S17	ES-S17-090910	MOLYBDENUM	4.8	09/23/09	61414	Y	ES-S17-090910
East Site	S17	ES-S17-090910	MOLYBDENUM	5.1	10/05/09	61790	Y	DUP-37
East Site	S18	ES-S18-080606	MOLYBDENUM	3.9	05/01/09	57147	Y	ES-S18-080606
East Site	T7	ES-T07-080612	MOLYBDENUM	4	06/10/09	58212	Y	ES-T07-080612
East Site	T8	ES-T08-080522	MOLYBDENUM	3.4	06/09/09	58135	Y	DUP-13
East Site	T8	ES-T08-080522	MOLYBDENUM	3.6	06/10/09	58212	Y	ES-T08-080522
East Site	T9	ES-T09-080522	MOLYBDENUM	3.3	06/10/09	58212	Y	ES-T09-080522
East Site	T10	ES-T10-080523	MOLYBDENUM	3.5	06/10/09	58212	Y	ES-T10-080523
East Site	T10	ES-T10-080523	MOLYBDENUM	3.5	06/10/09	58212	Y	DUP-14
East Site	T10	ES-T10-091015	MOLYBDENUM	4.4	10/28/09	62499	Y	ES-T10-091015
East Site	T11	ES-T11-080530	MOLYBDENUM	4.8	06/10/09	58212	Y	ES-T11-080530
East Site	T12	ES-T12-080609	MOLYBDENUM	3.5	05/01/09	57147	Y	ES-T12-080609
East Site	T13	ES-T13-080609	MOLYBDENUM	3.3	05/01/09	57147	Y	ES-T13-080609
East Site	T14	ES-T14-080610	MOLYBDENUM	4.1	05/01/09	57147	Y	ES-T14-080610
East Site	U10	ES-U10-080523	MOLYBDENUM	3.3	06/10/09	58212	Y	ES-U10-080523
East Site	U11	ES-U11-080602	MOLYBDENUM	3.3	06/20/09	58565	Y	ES-U11-080602
East Site	U13	ES-U13-080610	MOLYBDENUM	3.4	05/01/09	57284	Y	ES-U13-080610
East Site	U14	ES-U14-080610	MOLYBDENUM	3.7	05/01/09	57284	Y	ES-U14-080610
East Site	V11	ES-V11-080529	MOLYBDENUM	3.1	06/20/09	58565	Y	ES-V11-080529
East Site	V14	ES-V14-080605	MOLYBDENUM	3.3	05/01/09	57284	Y	ES-V14-080605
East Site	W12	ES-W12-080527	MOLYBDENUM	3.6	06/20/09	58565	Y	ES-W12-080527
West Site	A4	WS-A04-080626	MOLYBDENUM	4.9	07/13/09	59381	Y	WS-A04-080626
West Site	B2	WS-B02-100120	MOLYBDENUM	3.3	02/04/10	64435	Y	WS-B02-100120
West Site	B3	WS-B03-080502	MOLYBDENUM	5	07/13/09	59381	Y	WS-B03-080502
West Site	B4	WS-B04-080626	MOLYBDENUM	5.3	07/13/09	59381	Y	WS-B04-080626
West Site	B5	WS-B05-080626	MOLYBDENUM	5	07/27/09	59757	Y	WS-B05-080626
West Site	C1	WS-C01-080501	MOLYBDENUM	3.5	06/20/09	58565	Y	WS-C01-080501
West Site	C1	WS-C01-080501	MOLYBDENUM	3.3	06/20/09	58565	Y	DUP-3
West Site	C2	WS-C02-080428	MOLYBDENUM	3.6	07/20/09	59621	Y	WS-C02-080428
West Site	C2	WS-C02-100120	MOLYBDENUM	3.6	02/04/10	64435	Y	WS-C02-100120
West Site	C3	WS-C03-080620	MOLYBDENUM	4.4	07/20/09	59621	Y	WS-C03-080620
West Site	C4	WS-C04-080623	MOLYBDENUM	5.7	07/20/09	59621	Y	WS-C04-080623
West Site	C5	WS-C05-080620	MOLYBDENUM	4.6	07/27/09	59757	Y	WS-C05-080620
West Site	C5	WS-C05-100112	MOLYBDENUM	5.1	01/27/10	64333	Y	WS-C05-100112
West Site	C6	WS-C06-080624	MOLYBDENUM	4.4	07/27/09	59757	Y	WS-C06-080624
West Site	C6	WS-C06-091013	MOLYBDENUM	5.5	10/28/09	62499	Y	WS-C06-091013
West Site	D1	WS-D01-080430	MOLYBDENUM	3.9	06/20/09	58565	Y	WS-D01-080430
West Site	D2	WS-D02-080429	MOLYBDENUM	4.5	07/13/09	59381	Y	DUP-2
West Site	D2	WS-D02-080429	MOLYBDENUM	4.5	07/20/09	59621	Y	WS-D02-080429
West Site	D3	WS-D03-080620	MOLYBDENUM	5.3	07/20/09	59621	Y	WS-D03-080620
West Site	D4	WS-D04-080623	MOLYBDENUM	5.3	08/18/09	60439	Y	WS-D04-080623
West Site	D4	WS-D04-091230	MOLYBDENUM	4.5	01/19/10	64128	Y	WS-D04-091230
West Site	D5	WS-D05-080620	MOLYBDENUM	4.4	07/27/09	59757	Y	WS-D05-080620
West Site	D5	WS-D05-100111	MOLYBDENUM	4.9	01/27/10	64333	Y	WS-D05-100111
West Site	D6	WS-D06-080619	MOLYBDENUM	4.5	07/27/09	59757	Y	WS-D06-080619
West Site	D6	WS-D06-091013	MOLYBDENUM	5.5	10/28/09	62499	Y	WS-D06-091013

MOLYBDENUM Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	date	batch_id	_flag	sample_name
West Site	D7	WS-D07-080619	MOLYBDENUM	4.7	07/27/09	59757	Y	WS-D07-080619
West Site	D7	WS-D07-091013	MOLYBDENUM	5.3	10/28/09	62499	Y	WS-D07-091013
West Site	E1	WS-E01-080430	MOLYBDENUM	4.2	06/20/09	58565	Y	WS-E01-080430
West Site	E2	WS-E02-080428	MOLYBDENUM	5.6	07/13/09	59381	Y	DUP-1
West Site	E2	WS-E02-080428	MOLYBDENUM	5.1	07/20/09	59621	Y	WS-E02-080428
West Site	E2	WS-E02-100115	MOLYBDENUM	4.6	02/04/10	64435	Y	WS-E02-100115
West Site	E3	WS-E03-080619	MOLYBDENUM	5.8	07/20/09	59621	Y	WS-E03-080619
West Site	E4	WS-E04-080613	MOLYBDENUM	5.5	07/27/09	59757	Y	WS-E04-080613
West Site	E4	WS-E04-091230	MOLYBDENUM	4.7	01/19/10	64128	Y	WS-E04-091230
West Site	E5	WS-E05-080613	MOLYBDENUM	4	07/27/09	59757	Y	WS-E05-080613
West Site	E5	WS-E05-100111	MOLYBDENUM	5	01/27/10	64333	Y	WS-E05-100111
West Site	E6	WS-E06-080613	MOLYBDENUM	4.6	07/27/09	59757	Y	WS-E06-080613
West Site	E6	WS-E06-091228	MOLYBDENUM	4.4	01/19/10	64128	Y	WS-E06-091228
West Site	E7	WS-E07-080613	MOLYBDENUM	5.2	07/27/09	59757	Y	WS-E07-080613
West Site	E7	WS-E07-091228	MOLYBDENUM	4.3	01/19/10	64128	Y	WS-E07-091228
West Site	E8	WS-E08-091228	MOLYBDENUM	4.7	01/19/10	64128	Y	WS-E08-091228
West Site	F1	WS-F01-080429	MOLYBDENUM	4.7	06/20/09	58565	Y	WS-F01-080429
West Site	F1	WS-F01-100115	MOLYBDENUM	4.1	02/04/10	64435	Y	WS-F01-100115
West Site	F2	WS-F02-080429	MOLYBDENUM	5.3	07/20/09	59621	Y	WS-F02-080429
West Site	F2	WS-F02-100115	MOLYBDENUM	5.1	02/04/10	64435	Y	WS-F02-100115
West Site	F3	WS-F03-080619	MOLYBDENUM	5.7	07/20/09	59621	Y	WS-F03-080619
West Site	F3	WS-F03-100115	MOLYBDENUM	5	02/04/10	64435	Y	WS-F03-100115
West Site	F4	WS-F04-080616	MOLYBDENUM	6.7	07/29/09	59889	Y	WS-F04-080616
West Site	F4	WS-F04-091230	MOLYBDENUM	4.9	01/19/10	64128	Y	WS-F04-091230
West Site	F5	WS-F05-080612	MOLYBDENUM	4.9	08/18/09	60439	Y	WS-F05-080612
West Site	F5	WS-F05-100111	MOLYBDENUM	5.3	01/27/10	64333	Y	WS-F05-100111
West Site	F6	WS-F06-080612	MOLYBDENUM	5.3	07/29/09	59889	Y	WS-F06-080612
West Site	F6	WS-F06-091228	MOLYBDENUM	4.2	01/19/10	64128	Y	WS-F06-091228
West Site	F7	WS-F07-080617	MOLYBDENUM	4.2	06/29/09	58728	Y	WS-F07-080617
West Site	F8	WS-F08-080618	MOLYBDENUM	4.8	06/29/09	58728	Y	WS-F08-080618
West Site	G1	WS-G01-080501	MOLYBDENUM	4.7	06/20/09	58565	Y	DUP-4
West Site	G1	WS-G01-080501	MOLYBDENUM	4.6	06/29/09	58728	Y	WS-G01-080501
West Site	G1	WS-G01-100113	MOLYBDENUM	4.1	01/27/10	64333	Y	WS-G01-100113
West Site	G1	WS-G01-100223	MOLYBDENUM	4.1	03/05/10	65036	Y	WS-G01-100223
West Site	G2	WS-G02-080618	MOLYBDENUM	5.8	07/20/09	59621	Y	WS-G02-080618
West Site	G2	WS-G02-100113	MOLYBDENUM	5.1	01/27/10	64333	Y	WS-G02-100113
West Site	G3	WS-G03-080619	MOLYBDENUM	5.4	07/20/09	59621	Y	WS-G03-080619
West Site	G4	WS-G04-080616	MOLYBDENUM	5.9	07/29/09	59889	Y	WS-G04-080616
West Site	G5	WS-G05-100108	MOLYBDENUM	4.4	01/19/10	64206	Y	WS-G05-100108
West Site	G5	WS-G05-100223	MOLYBDENUM	4.7	03/05/10	65036	Y	WS-G05-100223
West Site	G6	WS-G06-080616	MOLYBDENUM	5.4	07/29/09	59889	Y	WS-G06-080616
West Site	G6	WS-G06-100107	MOLYBDENUM	4.9	01/19/10	64206	Y	WS-G06-100107
West Site	G7	WS-G07-080617	MOLYBDENUM	5.5	06/29/09	58728	Y	WS-G07-080617
West Site	G7	WS-G07-100105	MOLYBDENUM	4.8	01/19/10	64206	Y	WS-G07-100105
West Site	H1	WS-H01-080501	MOLYBDENUM	5.5	06/29/09	58728	Y	WS-H01-080501
West Site	H2	WS-H02-080618	MOLYBDENUM	5.8	07/20/09	59621	Y	WS-H02-080618
West Site	H2	WS-H02-100113	MOLYBDENUM	5.2	01/27/10	64333	Y	WS-H02-100113
West Site	H3	WS-H03-080619	MOLYBDENUM	5	07/29/09	59889	Y	WS-H03-080619

MOLYBDENUM Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	date	batch_id	_flag	sample_name
West Site	H4	WS-H04-080616	MOLYBDENUM	5.4	07/29/09	59889	Y	WS-H04-080616
West Site	H5	WS-H05-100107	MOLYBDENUM	4.6	01/19/10	64206	Y	WS-H05-100107
West Site	H6	WS-H06-080617	MOLYBDENUM	5.9	06/29/09	58728	Y	WS-H06-080617
West Site	I1	WS-I01-080501	MOLYBDENUM	4.1	06/29/09	58728	Y	WS-I01-080501
West Site	I1	WS-I01-080501	MOLYBDENUM	4.3	06/29/09	58728	Y	DUP-5
West Site	I1	WS-I01-091013	MOLYBDENUM	5	10/28/09	62499	Y	WS-I01-091013
West Site	I2	WS-I02-080618	MOLYBDENUM	5.7	07/27/09	59757	Y	WS-I02-080618
West Site	I2	WS-I02-091014	MOLYBDENUM	6.1	10/28/09	62499	Y	WS-I02-091014
West Site	I2	WS-I02-100113	MOLYBDENUM	5.3	01/27/10	64333	Y	WS-I02-100113
West Site	I3	WS-I03-080618	MOLYBDENUM	6.1	07/29/09	59889	Y	WS-I03-080618
West Site	I3	WS-I03-091013	MOLYBDENUM	6.1	10/28/09	62499	Y	WS-I03-091013
West Site	I3	WS-I03-100113	MOLYBDENUM	5	01/27/10	64333	Y	WS-I03-100113
West Site	I4	WS-I04-080617	MOLYBDENUM	5.6	07/29/09	59889	Y	WS-I04-080617
West Site	I4	WS-I04-100106	MOLYBDENUM	5.2	01/19/10	64206	Y	WS-I04-100106
West Site	I5	WS-I05-080617	MOLYBDENUM	6	06/29/09	58728	Y	WS-I05-080617
West Site	I5	WS-I05-091013	MOLYBDENUM	6.7	10/28/09	62499	Y	WS-I05-091013
West Site	I5	WS-I05-100107	MOLYBDENUM	4.9	01/19/10	64206	Y	WS-I05-100107
West Site	I6	WS-I06-080617	MOLYBDENUM	10.7	06/29/09	58728	Y	WS-I06-080617
West Site	I6	WS-I06-100105	MOLYBDENUM	4.7	01/19/10	64206	Y	WS-I06-100105
West Site	J1	WS-J01-080505	MOLYBDENUM	4.9	06/29/09	58728	Y	WS-J01-080505
West Site	J1	WS-J01-080505	MOLYBDENUM	4.9	06/29/09	58728	Y	DUP-6
West Site	J1	WS-J01-091013	MOLYBDENUM	4.5	10/28/09	62499	Y	WS-J01-091013
West Site	J1	WS-J01-100112	MOLYBDENUM	4.8	01/27/10	64333	Y	WS-J01-100112
West Site	J2	WS-J02-080624	MOLYBDENUM	5.3	06/29/09	58728	Y	WS-J02-080624
West Site	J2	WS-J02-100112	MOLYBDENUM	5.1	01/27/10	64333	Y	WS-J02-100112
West Site	J3	WS-J03-080620	MOLYBDENUM	5.1	07/07/09	59163	Y	WS-J03-080620
West Site	J4	WS-J04-080617	MOLYBDENUM	10.5	07/08/09	59163	Y	WS-J04-080617
West Site	J4	WS-J04-100106	MOLYBDENUM	5.2	01/19/10	64206	Y	WS-J04-100106
West Site	J5	WS-J05-080618	MOLYBDENUM	6.5	07/08/09	59163	Y	WS-J05-080618
West Site	K1	WS-K01-080505	MOLYBDENUM	5.3	07/08/09	59163	Y	WS-K01-080505
West Site	K1	WS-K01-091013	MOLYBDENUM	5.3	10/28/09	62499	Y	WS-K01-091013
West Site	K2	WS-K02-080509	MOLYBDENUM	5	07/08/09	59163	Y	WS-K02-080509
West Site	K3	WS-K03-080509	MOLYBDENUM	4.7	07/08/09	59163	Y	WS-K03-080509
West Site	K4	WS-K04-080513	MOLYBDENUM	4.2	07/08/09	59163	Y	WS-K04-080513
West Site	K4	WS-K04-080513	MOLYBDENUM	4.1	07/27/09	59757	Y	DUP-10
West Site	K4	WS-K04-100106	MOLYBDENUM	4.6	01/19/10	64206	Y	WS-K04-100106
West Site	K5	WS-K05-080509	MOLYBDENUM	4.7	07/08/09	59163	Y	WS-K05-080509
West Site	L1	WS-L01-080505	MOLYBDENUM	4.8	07/08/09	59163	Y	WS-L01-080505
West Site	L2	WS-L02-080508	MOLYBDENUM	4.4	07/08/09	59163	Y	WS-L02-080508
West Site	L3	WS-L03-080508	MOLYBDENUM	4.3	07/08/09	59163	Y	WS-L03-080508
West Site	L4	WS-L04-080508	MOLYBDENUM	5.6	07/08/09	59163	Y	WS-L04-080508
West Site	L4	WS-L04-080508	MOLYBDENUM	5.7	07/08/09	59163	Y	DUP-9
West Site	M1	WS-M01-080505	MOLYBDENUM	4.1	07/08/09	59163	Y	DUP-7
West Site	M1	WS-M01-080505	MOLYBDENUM	4.1	07/08/09	59163	Y	WS-M01-080505
West Site	M2	WS-M02-080507	MOLYBDENUM	4.6	07/27/09	59757	Y	WS-M02-080507
West Site	M3	WS-M03-080507	MOLYBDENUM	4.4	07/20/09	59621	Y	DUP-8
West Site	M3	WS-M03-080507	MOLYBDENUM	4.8	08/05/09	60088	Y	WS-M03-080507
West Site	M3	WS-M03-091217	MOLYBDENUM	4.1	01/05/10	63970	Y	WS-M03-091217

MOLYBDENUM Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	date	batch_id	_flag	sample_name
West Site	M3	WS-M03-091217	MOLYBDENUM	4.3	03/05/10	65036	Y	DUP-48
West Site	M4	WS-M04-080507	MOLYBDENUM	5.2	08/05/09	60088	Y	WS-M04-080507
West Site	M4	WS-M04-091218	MOLYBDENUM	4.4	01/05/10	63970	Y	WS-M04-091218
West Site	M4	WS-M04-091218	MOLYBDENUM	4.1	01/19/10	64128	Y	DUP-44
West Site	N1	WS-N01-080506	MOLYBDENUM	4.1	08/05/09	60088	Y	WS-N01-080506
West Site	N2	WS-N02-080506	MOLYBDENUM	4.5	07/13/09	59381	Y	WS-N02-080506
West Site	N3	WS-N03-080507	MOLYBDENUM	4.4	06/29/09	58728	Y	WS-N03-080507
West Site	O1	WS-O01-080506	MOLYBDENUM	5.1	07/13/09	59381	Y	WS-O01-080506
West Site	O2	WS-O02-080506	MOLYBDENUM	5.1	07/13/09	59381	Y	WS-O02-080506

Table Ni-1: Nickel Data Quality Summary

Laboratory Performance Criteria	Criteria	Measured		Comment
Minimum LCS Recovery	greater than 80%		86%	
Minimum Matrix Spike Recovery	greater than 70%		11%	low
Average LCS Recovery	N/A		97%	
Average Matrix Spike Recovery	N/A		81%	
Maximum LCS RPD	less than 20%		19%	
Maximum Laboratory Duplicate RPD	less than 20%		18%	
Average LCS RPD	N/A		3%	
Average Laboratory Duplicate RPD	N/A		4%	
Measurement Quality Objectives	**Critera**	**Measured**		
NPS CRM	No vendor supplied data	Minimum Recovery =		288 mg/kg
EQIS CRM	See Note 1			
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =		34.4 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =		7.9 %
Overall QC Indicator Measurements	**Criteria**	**Measured**		
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =		85 %
NPS Replicate Test (Precision measure)	N/A	Standard Deviation =		1.8 mg/kg
Data Quality Relative to Remediation Goals				
Tier 1 Remediation Goal	190	mg/kg		
Tier 2 Remediation Goal	None			
QC Derived reliance Level	192	mg/kg See Note 2		

Comments: QC measurements for nickel complied with laboratory performance criteria and measurement quality objectives, except that the matrix spike recoveries representing four batches (49187, 49189, 54821-822, 57225) are less than the laboratory performance criteria minimum (70%). This indicates potential matrix interference. Three of these batches were associated only with analysis of background samples and are therefore inconsequential to CVS data necessary for the RG achievement decision. Analyses performed after the initial excavation routinely demonstrated matrix spike RPDs near the lower laboratory performance criteria. The derived reliance level (192 mg/kg) is greater than the RG, indicating that the desired data quality for nickel was achieved. A review of all QC data also supports the determination that nickel measurements are of acceptable quality. Therefore, it is concluded that the nickel CVS measurements are of acceptable quality and may be used to determine RG achievement.

Note 1: The QAPP required CRMs have only 4 analytes from each analyte group. Nickel is not one of these analytes.

Note 2. Derived reliance level is calculated as:

(Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (190)(1.2)(.85)-(0.84)(1.8) = 192 mg/kg

Table Ni-2: Nickel - NPS CRMs				
Blind NPS CRM Results				
Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 56	343	5/3/09	57225	Y
BOR SAMPLE 6-BOR 81	331	5/4/09	57431	Y
BOR Sample 4-BOR 82	304	5/6/09	57448	Y
BOR 83	329	5/27/09	57791	Y
BOR Sample 3-BOR 58	307	5/27/09	57791	Y
BOR 84	339	5/28/09	57849	Y
BOR Sample 7-BOR 105	334	5/28/09	57849	Y
BOR 85	292	6/5/09	58138	Y
BOR Sample 8-BOR 106	295	6/5/09	58138	Y
BOR 86	396	6/12/09	58214	Y
BOR 108	325	6/22/09	58564	Y
BOR 87	333	6/22/09	58564	Y
BOR 109	325	6/30/09	58730	Y
BOR 110	288	7/13/09	59383	Y
BOR Sample 9-BOR 107	317	7/24/09	59759	Y
BOR 111	309	7/30/09	59891	Y

CRMs		Vendor Supplied Information
Mean	322.9	*"Made to"*
Median	325.0	*380.0 mg/kg*
Standard Deviation	26.0	
Sample Variance	675.5	*Upper Acceptance Limit*
Kurtosis	3.3	*393.0 mg/kg*
Skewness	1.3	
Range	108.0	*Lower Acceptance Limit*
Minimum	288.0	*275.0 mg/kg*
Maximum	396.0	
Sum	5167.0	
Count	16.0	
Largest(2)	343.0	
Smallest(2)	292.0	

Table Ni-3: Nickel - NPS Replicate Tests on a Background Sample				
Results of Replicate Analyses of a Single Sample				
Sample	Result	Analysis Date	Batch	Detect
BOR 112	18.2	5/4/09	57225	Y
BOR 59	16.3	5/4/09	57431	Y
BOR 60	13.8	5/6/09	57448	Y
BOR 113	17.2	5/27/09	57791	Y
BOR 61	17.4	5/27/09	57791	Y
BOR 62	21.8	6/12/09	58214	Y
BOR 63	17.3	6/22/09	58564	Y
BOR 89	17.9	6/22/09	58564	Y
BOR 115	17.2	6/30/09	58730	Y
BOR 64	19.1	7/8/09	59166	Y
BOR 91	18	7/8/09	59166	Y
BOR 116	21.8	7/13/09	59383	Y
BOR 92	16.7	7/13/09	59383	Y
BOR 65	17	7/24/09	59622	Y
BOR 88	17.6	7/30/09	59891	Y
BOR 800	17.3	9/28/09	61416	Y
BOR-802	18.8	10/6/09	61792	Y
BOR 804	19.4	10/29/09	62500	Y
BOR-805	15.8	11/18/09	62993	Y
BOR-807	17	11/25/09	63217	Y
BOR-808	16.3	12/7/09	63407	Y
BOR 813	15.4	1/20/10	64130	Y
BOR 815	15.5	1/20/10	64208	Y
BOR-816	18.4	1/26/10	64335	Y
BOR-820	17.8	3/5/10	65038	Y

Replicate analyses of Single Sample	
Mean	17.560
Median	17.300
Standard Deviation	1.778
Sample Variance	3.160
Kurtosis	1.525
Skewness	0.667
Range	8.000
Minimum	13.800
Maximum	21.800
Sum	439.000
Count	25.000
Largest(2)	21.800
Smallest(2)	15.400

Table Ni-4: Nickel NPS and EQIS Duplicates							
Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 503	20.7	5/4/09	57431	ES-T11-080530	23.9	6/12/2009	14
BOR 506	23.6	5/6/09	57448	ES-S10-080523	33.4	6/12/2009	34
BOR 504	33	5/27/09	57791	ES-M05-080527	34.1	5/28/2009	3
BOR 507	27.2	6/5/09	58138	ES-O09-080610			
BOR 508	38.8	6/22/09	58564	ES-Q11-080606	37.8	5/6/2009	3
BOR 510	23.5	6/30/09	58730	OU-8HR-080605	23.9	5/3/2009	2
BOR 501	39.1	7/8/09	59166	WS-L04-080508	39.3	7/8/2009	1
BOR 505	25.3	7/24/09	59622	WS-K03-080509	27.4	7/8/2009	8
BOR 502	38.2	7/24/09	59759	WS-F05-080612	46.4	8/18/2009	19
BOR 509	36.7	7/24/09	59759	WS-E06-080613	37.1	7/24/2009	1
BOR 500	36.3	7/30/09	59891	WS-F01-080429	42	6/22/2009	15
BOR-809	32	12/14/09	63530	ES-K03-091103	33.7	11/25/2009	5
BOR-810	29	12/14/09	63530	ES-P07-091022	27.7	11/18/2009	5
BOR-811	34.7	12/14/09	63530	ES-R08-091021	33.8	11/19/2009	3
BOR 814	28.2	1/20/10	64130	ES-J05-091124	28.3	12/14/2009	0
BOR-818	39.3	3/5/10	65038	WS-F05-100111	40.8	1/26/2010	4
BOR-822	31.6	3/5/10	65038	ES-Q08-091228	29.5	1/20/2010	7
DUP-11	19.6	5/3/09	57101	ES-J03-080513	21.1	6/22/2009	7
DUP-17	17.3	5/4/09	57431	ES-F01-080529	20.7	5/6/2009	18
DUP-15	42.9	5/6/09	57448	ES-J02-080527	42.2	5/27/2009	2
DUP-18	25.9	5/6/09	57448	ES-J04-080530	24.3	5/27/2009	6
DUP-12	41.4	5/27/09	57791	ES-P06-080515	36.5	6/5/2009	13
DUP-16	32	5/27/09	57791	ES-P04-080528	27.2	6/5/2009	16
DUP-19	22.2	5/28/09	57849	ES-K05-080605	22.1	5/28/2009	0
DUP-13	24.4	6/5/09	58138	ES-T08-080522	29.6	6/12/2009	19
DUP-14	45.6	6/12/09	58214	ES-T10-080523	51.8	6/12/2009	13
DUP-3	110	6/22/09	58564	WS-C01-080501	117	6/22/2009	6
DUP-4	60.3	6/22/09	58564	WS-G01-080501	50.5	6/30/2009	18
DUP-5	27.8	6/30/09	58730	WS-I01-080501	28.4	6/30/2009	2
DUP-6	32.1	6/30/09	58730	WS-J01-080505	31.2	6/30/2009	3
DUP-7	28.7	7/8/09	59166	WS-M01-080505	28.3	7/8/2009	1
DUP-9	37.8	7/8/09	59166	WS-L04-080508	39.3	7/8/2009	4
DUP-1	42.7	7/11/09	59383	WS-E02-080428	51.7	7/24/2009	19
DUP-2	37.5	7/11/09	59383	WS-D02-080429	40.1	7/24/2009	7
DUP-8	20.7	7/24/09	59622	WS-M03-080507	18.5	8/11/2009	11
DUP-10	23.6	7/24/09	59759	WS-K04-080513	24.8	7/8/2009	5
DUP-37	37.5	10/6/09	61792	ES-S17-090910	42.1	9/25/2009	12
DUP-38	41.3	10/29/09	62500	ES-R11-090910	35.5	9/28/2009	15
DUP-40	19.7	11/18/09	62993	ES-A01-102109			
DUP-39	23.2	12/7/09	63407	ES-C01-090910	23.1	9/28/2009	0
DUP-44	16.3	1/20/10	64130	WS-M04-091218	17.1	1/6/2010	5
DUP-45	27.5	1/20/10	64130	ES-J05-091124	28.3	12/14/2009	3
DUP-46	32.7	1/20/10	64208	ES-R08-091021	33.8	11/19/2009	3
DUP-47	39.7	1/26/10	64335	ES-K02-091103	38.5	11/25/2009	3
DUP-48	26.9	3/5/10	65038	WS-M03-091217	25.6	1/6/2010	5

Table Ni-4: Nickel NPS and EQIS Duplicates

RPD of Sample Splits	
Mean	7.904
Median	4.959
Standard Deviation	7.305
Sample Variance	53.364
Kurtosis	2.549
Skewness	1.448
Range	34.032
Minimum	0.354
Maximum	34.386
Sum	339.871
Count	43.000
Largest(2)	19.385
Smallest(2)	0.432

Table Ni-5: Nickel EQIS CRMs						
Results of Duplicate Analysis of EQIS CRMs						
Sample	Result	Date	Batch	Detect	Average	RPD
ES-Z11-080605A	374	5/3/09	57101	Y		
ES-Z11-080605B	367	5/3/09	57101	Y	371	2
ES-Z09-080529A	375	5/4/09	57431	Y		
ES-Z09-080529B	377	5/4/09	57431	Y	376	1
ES-Z12-080606A	372	5/4/09	57431	Y		
ES-Z12-080606B	393	5/4/09	57431	Y	383	5
ES-Z05-080519A	375	5/6/09	57448	Y		
ES-Z05-080519B	347	5/6/09	57448	Y	361	8
ES-Z06-080520A	345	5/6/09	57448	Y		
ES-Z06-080520B	335	5/6/09	57448	Y	340	3
ES-Z07-080522A	378	5/27/09	57791	Y		
ES-Z07-080522B	363	5/27/09	57791	Y	371	4
ES-Z13-080610A	367	5/28/09	57849	Y		
ES-Z13-080610B	363	5/28/09	57849	Y	365	1
ES-Z10-080602A	335	6/5/09	58138	Y		
ES-Z10-080602B	339	6/5/09	58138	Y	337	1
ES-Z08-080527A	393	6/12/09	58214	Y		
ES-Z08-080527B	408	6/12/09	58214	Y	401	4
ES-Z14-080611A	386	6/22/09	58564	Y		
ES-Z14-080611B	378	6/22/09	58564	Y	382	2
ES-Z06-080520C	388	6/30/09	58730	Y		
ES-Z06-080520D	395	6/30/09	58730	Y	392	2
ES-Z05-080519C	364	7/8/09	59166	Y		
ES-Z05-080519D	392	7/8/09	59166	Y	378	7
ES-Z19-080624A	337	7/11/09	59383	Y		
ES-Z19-080624B	340	7/11/09	59383	Y	339	1
WS-Z17-080618A	336	7/11/09	59383	Y		
WS-Z17-080618B	359	7/13/09	59383	Y	348	7
WS-Z15-080613A	375	7/24/09	59622	Y		
WS-Z15-080613B	375	7/24/09	59622	Y	375	0
WS-Z18-080620A	373	7/24/09	59622	Y		
WS-Z18-080620B	368	7/24/09	59622	Y	371	1
WS-Z16-080617A	370	7/30/09	59891	Y		
WS-Z16-080617B	*374*	7/30/09	59891	Y	372	1
ES-Z22-091021A	335	11/18/09	62993	Y		
ES-Z22-091021B	340	11/18/09	62993	Y	338	1
ES-Z23-091022A	341	11/18/09	62993	Y		
ES-Z23-091022B	338	11/18/09	62993	Y	340	1
ES-Z24-091103A	389	11/25/09	63217	Y		
ES-Z24-091103B	382	11/25/09	63217	Y	386	2
ES-Z25-091104A	384	11/25/09	63217	Y		
ES-Z25-091104B	386	11/25/09	63217	Y	385	1
ES-Z26-091105A	369	12/7/09	63407	Y		
ES-Z26-091105B	351	12/7/09	63407	Y	360	5
ES-Z27-091106A	366	12/7/09	63407	Y		
ES-Z27-091106B	368	12/7/09	63407	Y	367	1
WS-Z29-091217A	378	1/6/10	63972	Y		
WS-Z29-091217B	373	1/6/10	63972	Y	376	1
WS-Z30-091230A	341	1/20/10	64130	Y		
WS-Z30-091230B	369	1/20/10	64130	Y	355	8
WS-Z31-100107A	359	1/20/10	64208	Y		
WS-Z31-100107B	367	1/20/10	64208	Y	363	2

Table Ni-5: Nickel EQIS CRMs						
Results of Duplicate Analysis of EQIS CRMs						
Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z32-100113A	371	1/26/10	64335	Y		
WS-Z32-100113B	376	1/26/10	64335	Y	374	1
ES-Z33-100225A	398	3/5/10	65038	Y		
ES-Z33-100225B	391	3/5/10	65038	Y	395	2

Analysis of EQIS CRMs	
Mean	368
Median	371
Standard Deviation	19
Sample Variance	360
Kurtosis	-1
Skewness	0
Range	73
Minimum	335
Maximum	408
Sum	20588
Count	56
Largest(2)	398
Smallest(2)	335

RPD of EQIS CRMs	
Mean	3
Median	2
Standard Deviation	2
Sample Variance	6
Kurtosis	0
Skewness	1
Range	8
Minimum	0
Maximum	8
Sum	75
Count	28
Largest(2)	8
Smallest(2)	1

Table Ni-6: Nickel Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
97	7160081	4	95	7160081	4
11	49187	7	86	49187	7
23	49189	8	96	49189	8
110	49537	28	101	49537	28
108	49539	30	98	49539	30
82	54626-627	68	92	54626-627	68
64	54821-822	71	92	54821-822	71
82	54891	75	93	54891	75
86	54915	76	90	54915	76
87	57101	113	97	57101	113
68	57225	115	99	57225	115
86	57448	120	98	57448	120
83	57791	140	93	57791	140
84	57849	141	96	57849	141
79	58138	143	89	58138	143
145	58214	155	114	58214	155
102	58564	161	111	58564	161
90	58730	169	93	58730	169
83	59166	173	93	59166	173
82	59383	182	95	59383	182
90	59622	194	105	59622	194
83	59759	197	95	59759	197
76	59891	206	94	59891	206
72	60090	218	96	60090	218
87	60441	222	104	60441	222
71	61416	247	104	61416	247
84	61792	253	104	61792	253
92	62500	260	108	62500	260
90	62756	266	101	62756	266
71	62993	272	92	62993	272
81	63217	282	103	63217	282
77	63407	289	90	63407	289
70	63407	289	88	63530	292
78	63530	292	98	63972	304
81	63972	304	88	64130	322
85	64130	322	89	64208	320
74	64208	320	94	64335	329
75	64335	329	95	64437	342
78	64437	342	101	65038	350
84	65038	350	90	70144	368
79	70144	368			

Average MS Recovery = 81 %   Average LCS Recovery = 97 %

Minimum MS Recovery = 11 %   Minimum LCS Recovery = 86 %

Table Ni-6: Nickel Laboratory MS and LCS (Graph)

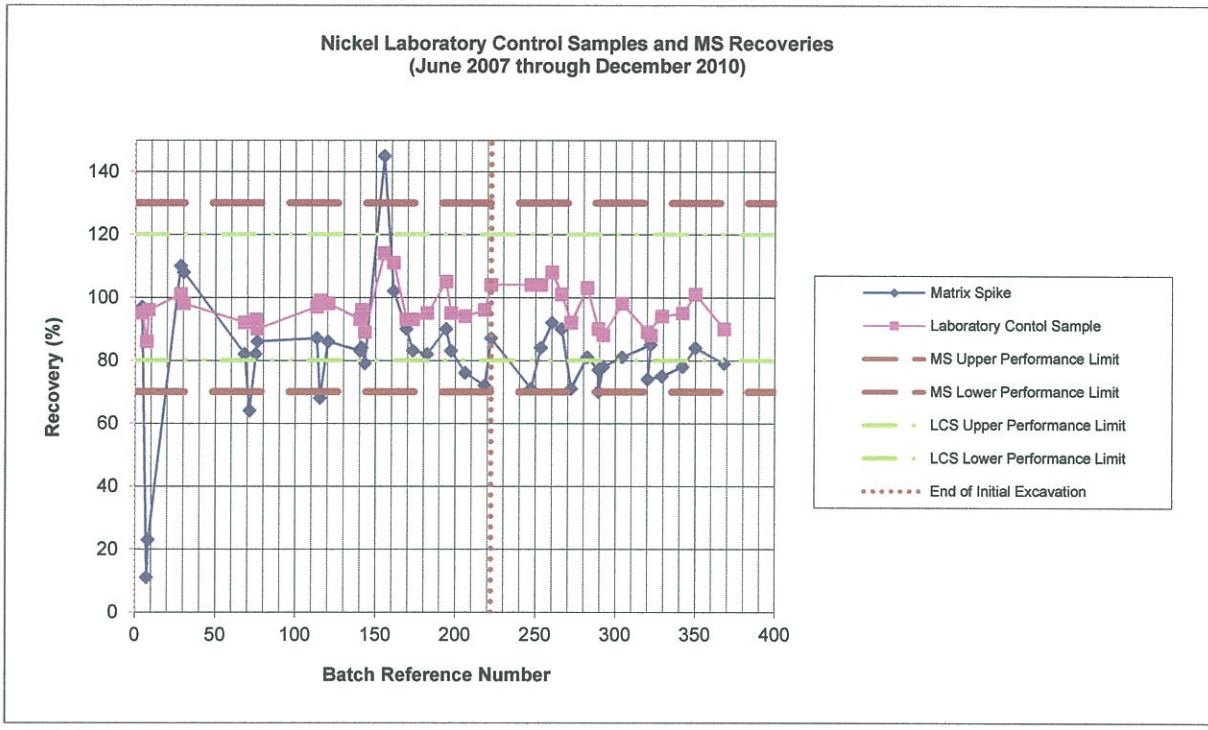
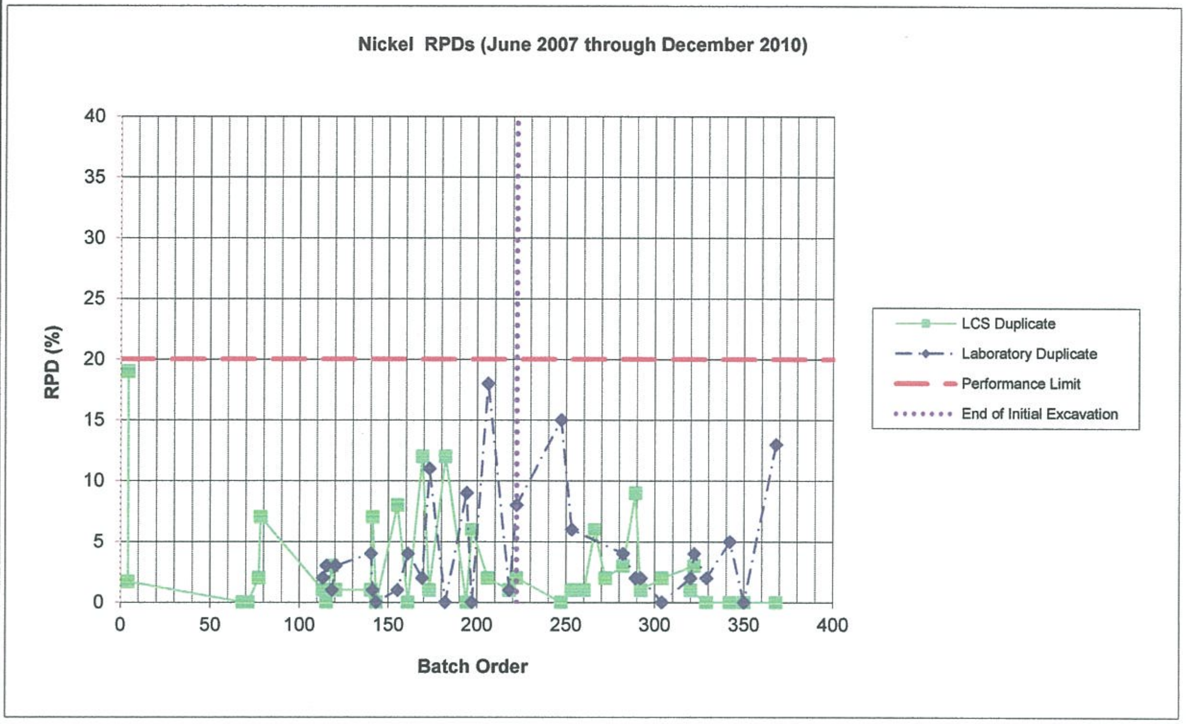


Table Ni-7: Nickel - Laboratory Duplicates and LCS Duplicates			
Laboratory Duplicate RPD	Batch Order	LCS RPD	Batch Order
2 57101	113	19 7160081	4
3 57225	115	1.7 7160081	4
1 57431	118	0 54626-627	68
3 57448	120	0 54821-822	71
4 57791	140	2 54891	77
1 57849	141	7 54915	78
0 58138	143	1 57101	113
1 58214	155	0 57225	115
4 58564	161	3 57431	118
2 58730	169	1 57448	120
11 59166	173	1 57791	140
0 59383	182	7 57849	141
9 59622	194	0 58138	143
0 59759	197	8 58214	155
18 59891	206	0 58564	161
1 60090	218	12 58730	169
8 60441	222	1 59166	173
15 61416	247	12 59383	182
6 61792	253	0 59622	194
4 63217	282	6 59759	197
2 63407	289	2 59891	206
2 63530	292	1 60090	218
0 63972	304	2 60441	222
2 64208	320	0 61416	247
4 64130	322	1 61792	253
2 64335	329	1 62500	260
5 64437	342	6 62756	266
0 65038	350	2 62993	272
13 70144	368	3 63217	282
		9 63407	289
		1 63530	292
		2 63972	304
		3 64130	322
		1 64208	320
		0 64335	329
		0 64437	342
		0 65038	350
		0 70144	368
Average Duplicate RPD = 4 %		Average LCS RPD = 3 %	
Maximum Duplicate RPD = 18 %		Maximum LCS RPD = 19 %	

Table Ni-7: Nickel - Laboratory Duplicates and LCS Duplicates (Graph)



Nickel Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	A1	ES-A01-090910	NICKEL	20.9	09/28/09	61416	Y	ES-A01-090910
East Site	A1	ES-A01-102109	NICKEL	19.7	11/18/09	62993	Y	DUP-40
East Site	B1	ES-B01-080623	NICKEL	23.3	05/03/09	57101	Y	ES-B01-080623
East Site	C1	ES-C01-080624	NICKEL	20.1	05/03/09	57101	Y	ES-C01-080624
East Site	C1	ES-C01-090910	NICKEL	23.1	09/28/09	61416	Y	ES-C01-090910
East Site	C1	ES-C01-090910	NICKEL	23.2	12/07/09	63407	Y	DUP-39
East Site	D1	ES-D01-080624	NICKEL	32.6	06/05/09	58138	Y	ES-D01-080624
East Site	E1	ES-E01-090910	NICKEL	24.6	09/28/09	61416	Y	ES-E01-090910
East Site	E2	ES-E02-090910	NICKEL	33.3	09/28/09	61416	Y	ES-E02-090910
East Site	F1	ES-F01-080529	NICKEL	17.3	05/04/09	57431	Y	DUP-17
East Site	F1	ES-F01-080529	NICKEL	20.7	05/06/09	57448	Y	ES-F01-080529
East Site	G1	ES-G01-080529	NICKEL	18.5	05/06/09	57448	Y	ES-G01-080529
East Site	G2	ES-G02-080605	NICKEL	24	05/06/09	57448	Y	ES-G02-080605
East Site	H1	ES-H01-080528	NICKEL	24.8	05/06/09	57448	Y	ES-H01-080528
East Site	H1	ES-H01-091105	NICKEL	26.3	12/07/09	63407	Y	ES-H01-091105
East Site	H2	ES-H02-080515	NICKEL	30.6	05/06/09	57448	Y	ES-H02-080515
East Site	H3	ES-H03-080605	NICKEL	26.4	05/27/09	57791	Y	ES-H03-080605
East Site	I1	ES-I01-080529	NICKEL	31.1	05/27/09	57791	Y	ES-I01-080529
East Site	I1	ES-I01-091105	NICKEL	30.1	12/07/09	63407	Y	ES-I01-091105
East Site	I2	ES-I02-080514	NICKEL	35	05/27/09	57791	Y	ES-I02-080514
East Site	I3	ES-I03-080513	NICKEL	19.7	05/27/09	57791	Y	ES-I03-080513
East Site	I4	ES-I04-080602	NICKEL	19.3	05/27/09	57791	Y	ES-I04-080602
East Site	I4	ES-I04-091106	NICKEL	26.5	12/07/09	63407	Y	ES-I04-091106
East Site	J1	ES-J01-080529	NICKEL	31.7	05/27/09	57791	Y	ES-J01-080529
East Site	J2	ES-J02-080527	NICKEL	42.9	05/06/09	57448	Y	DUP-15
East Site	J2	ES-J02-080527	NICKEL	42.2	05/27/09	57791	Y	ES-J02-080527
East Site	J2	ES-J02-091105	NICKEL	28.6	12/07/09	63407	Y	ES-J02-091105
East Site	J3	ES-J03-080513	NICKEL	19.6	05/03/09	57101	Y	DUP-11
East Site	J3	ES-J03-080513	NICKEL	21.1	06/22/09	58564	Y	ES-J03-080513
East Site	J3	ES-J03-091103	NICKEL	27.9	11/25/09	63217	Y	ES-J03-091103
East Site	J4	ES-J04-080530	NICKEL	25.9	05/06/09	57448	Y	DUP-18
East Site	J4	ES-J04-080530	NICKEL	24.3	05/27/09	57791	Y	ES-J04-080530
East Site	J4	ES-J04-091103	NICKEL	37.1	11/25/09	63217	Y	ES-J04-091103
East Site	J5	ES-J05-080602	NICKEL	29.1	05/27/09	57791	Y	ES-J05-080602
East Site	J5	ES-J05-091124	NICKEL	28.3	12/14/09	63530	Y	ES-J05-091124
East Site	J5	ES-J05-091124	NICKEL	27.5	01/20/10	64130	Y	DUP-45
East Site	J5	ES-J05-100112	NICKEL	38	01/26/10	64335	Y	ES-J05-100112
East Site	K1	ES-K01-080602	NICKEL	23.1	05/27/09	57791	Y	ES-K01-080602
East Site	K2	ES-K02-080602	NICKEL	27.1	05/06/09	57448	Y	ES-K02-080602
East Site	K2	ES-K02-091103	NICKEL	38.5	11/25/09	63217	Y	ES-K02-091103
East Site	K2	ES-K02-091103	NICKEL	39.7	01/26/10	64335	Y	DUP-47
East Site	K3	ES-K03-080514	NICKEL	22.7	05/27/09	57791	Y	ES-K03-080514
East Site	K3	ES-K03-091103	NICKEL	33.7	11/25/09	63217	Y	ES-K03-091103
East Site	K4	ES-K04-080527	NICKEL	38.7	05/28/09	57849	Y	ES-K04-080527
East Site	K5	ES-K05-080605	NICKEL	22.2	05/28/09	57849	Y	DUP-19
East Site	K5	ES-K05-080605	NICKEL	22.1	05/28/09	57849	Y	ES-K05-080605
East Site	K7	ES-K07-080611	NICKEL	82.1	05/04/09	57431	Y	ES-K07-080611
East Site	K7	ES-K07-090924	NICKEL	34.4	10/06/09	61792	Y	ES-K07-090924
East Site	K7	ES-K07-091123	NICKEL	31.7	12/14/09	63530	Y	ES-K07-091123
East Site	L1	ES-L01-080625	NICKEL	29.8	05/28/09	57849	Y	ES-L01-080625

Nickel Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	L2	ES-L02-080625	NICKEL	33.3	05/28/09	57849	Y	ES-L02-080625
East Site	L3	ES-L03-080604	NICKEL	25.6	05/28/09	57849	Y	ES-L03-080604
East Site	L3	ES-L03-091104	NICKEL	39.5	11/25/09	63217	Y	ES-L03-091104
East Site	L4	ES-L04-080604	NICKEL	25	06/22/09	58564	Y	ES-L04-080604
East Site	L4	ES-L04-091104	NICKEL	35.9	11/25/09	63217	Y	ES-L04-091104
East Site	L5	ES-L05-091104	NICKEL	34.5	11/25/09	63217	Y	ES-L05-091104
East Site	L6	ES-L06-091104	NICKEL	33.7	11/25/09	63217	Y	ES-L06-091104
East Site	M1	ES-M01-080527	NICKEL	24.5	05/28/09	57849	Y	ES-M01-080527
East Site	M2	ES-M02-080519	NICKEL	37.5	05/28/09	57849	Y	ES-M02-080519
East Site	M3	ES-M03-091022	NICKEL	35.6	11/18/09	62993	Y	ES-M03-091022
East Site	M3	ES-M03-091228	NICKEL	37.5	01/20/10	64130	Y	ES-M03-091228
East Site	M4	ES-M04-080515	NICKEL	32.1	05/28/09	57849	Y	ES-M04-080515
East Site	M5	ES-M05-080527	NICKEL	34.1	05/28/09	57849	Y	ES-M05-080527
East Site	M6	ES-M06-080520	NICKEL	34.4	05/28/09	57849	Y	ES-M06-080520
East Site	M6	ES-M06-091105	NICKEL	33.8	12/07/09	63407	Y	ES-M06-091105
East Site	M7	ES-M07-091105	NICKEL	30.4	12/07/09	63407	Y	ES-M07-091105
East Site	M8	ES-M08-080610	NICKEL	83.6	05/04/09	57431	Y	ES-M08-080610
East Site	M8	ES-M08-090924	NICKEL	34.6	10/06/09	61792	Y	ES-M08-090924
East Site	M8	ES-M08-091123	NICKEL	31.1	12/14/09	63530	Y	ES-M08-091123
East Site	M9	ES-M09-080611	NICKEL	15.2	05/04/09	57431	Y	ES-M09-080611
East Site	N2	ES-N02-080528	NICKEL	27.1	05/28/09	57849	Y	ES-N02-080528
East Site	N3	ES-N03-080520	NICKEL	32.2	05/28/09	57849	Y	ES-N03-080520
East Site	N4	ES-N04-080519	NICKEL	29.8	05/28/09	57849	Y	ES-N04-080519
East Site	N5	ES-N05-080519	NICKEL	31.7	05/28/09	57849	Y	ES-N05-080519
East Site	N5	ES-N05-091105	NICKEL	29	12/07/09	63407	Y	ES-N05-091105
East Site	N6	ES-N06-080527	NICKEL	35.3	06/05/09	58138	Y	ES-N06-080527
East Site	N7	ES-N07-080530	NICKEL	25.6	06/05/09	58138	Y	ES-N07-080530
East Site	N7	ES-N07-100225	NICKEL	38	03/05/10	65038	Y	ES-N07-100225
East Site	N8	ES-N08-080610	NICKEL	22	05/04/09	57431	Y	ES-N08-080610
East Site	N8	ES-N08-090924	NICKEL	41.9	10/06/09	61792	Y	ES-N08-090924
East Site	N8	ES-N08-091124	NICKEL	41	12/14/09	63530	Y	ES-N08-091124
East Site	N9	ES-N09-080610	NICKEL	38.5	05/04/09	57431	Y	ES-N09-080610
East Site	N9	ES-N09-090924	NICKEL	27.7	10/06/09	61792	Y	ES-N09-090924
East Site	N10	ES-N10-080610	NICKEL	26.9	05/04/09	57431	Y	ES-N10-080610
East Site	O3	ES-O03-080528	NICKEL	22.5	06/05/09	58138	Y	ES-O03-080528
East Site	O4	ES-O04-080515	NICKEL	27.2	06/05/09	58138	Y	ES-O04-080515
East Site	O5	ES-O05-080520	NICKEL	27.2	06/05/09	58138	Y	ES-O05-080520
East Site	O6	ES-O06-080529	NICKEL	32.7	06/05/09	58138	Y	ES-O06-080529
East Site	O6	ES-O06-091105	NICKEL	38.7	12/07/09	63407	Y	ES-O06-091105
East Site	O7	ES-O07-100225	NICKEL	30.7	03/05/10	65038	Y	ES-O07-100225
East Site	O8	ES-O08-080530	NICKEL	27.8	07/24/09	59759	Y	ES-O08-080530
East Site	O8	ES-O08-100225	NICKEL	33	03/05/10	65038	Y	ES-O08-100225
East Site	O9	ES-O09-091014	NICKEL	43.6	10/29/09	62500	Y	ES-O09-091014
East Site	O9	ES-O09-092309	NICKEL	38.1	10/06/09	61792	Y	ES-O09-092309
East Site	O10	ES-O10-091014	NICKEL	37.6	10/29/09	62500	Y	ES-O10-091014
East Site	O10	ES-O10-091123	NICKEL	27.8	12/14/09	63530	Y	ES-O10-091123
East Site	O10	ES-O10-092309	NICKEL	35.8	10/06/09	61792	Y	ES-O10-092309
East Site	P4	ES-P04-080528	NICKEL	32	05/27/09	57791	Y	DUP-16
East Site	P4	ES-P04-080528	NICKEL	27.2	06/05/09	58138	Y	ES-P04-080528
East Site	P5	ES-P05-080513	NICKEL	37.4	06/05/09	58138	Y	ES-P05-080513

Nickel Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	P6	ES-P06-080515	NICKEL	41.4	05/27/09	57791	Y	DUP-12
East Site	P6	ES-P06-080515	NICKEL	36.5	06/05/09	58138	Y	ES-P06-080515
East Site	P7	ES-P07-080519	NICKEL	39.6	05/28/09	57849	Y	ES-P07-080519
East Site	P7	ES-P07-091022	NICKEL	27.7	11/18/09	62993	Y	ES-P07-091022
East Site	P8	ES-P08-080530	NICKEL	22.7	06/05/09	58138	Y	ES-P08-080530
East Site	P10	ES-P10-080606	NICKEL	34.9	05/04/09	57431	Y	ES-P10-080606
East Site	P10	ES-P10-091014	NICKEL	37.6	10/29/09	62500	Y	ES-P10-091014
East Site	P10	ES-P10-092309	NICKEL	34.7	10/06/09	61792	Y	ES-P10-092309
East Site	P11	ES-P11-080606	NICKEL	32.5	05/04/09	57431	Y	ES-P11-080606
East Site	P11	ES-P11-092309	NICKEL	34.1	10/06/09	61792	Y	ES-P11-092309
East Site	Q5	ES-Q05-080520	NICKEL	57.7	06/05/09	58138	Y	ES-Q05-080520
East Site	Q5	ES-Q05-091105	NICKEL	45.5	12/07/09	63407	Y	ES-Q05-091105
East Site	Q6	ES-Q06-091021	NICKEL	35.5	11/18/09	62993	Y	ES-Q06-091021
East Site	Q7	ES-Q07-091021	NICKEL	20.5	11/18/09	62993	Y	ES-Q07-091021
East Site	Q7	ES-Q07-091228	NICKEL	34.9	01/20/10	64130	Y	ES-Q07-091228
East Site	Q8	ES-Q08-091021	NICKEL	30.6	11/18/09	62993	Y	ES-Q08-091021
East Site	Q8	ES-Q08-091228	NICKEL	29.5	01/20/10	64130	Y	ES-Q08-091228
East Site	Q9	ES-Q09-080612	NICKEL	26.2	06/05/09	58138	Y	ES-Q09-080612
East Site	Q10	ES-Q10-080606	NICKEL	34.1	05/06/09	57448	Y	ES-Q10-080606
East Site	Q10	ES-Q10-091123	NICKEL	29.4	12/14/09	63530	Y	ES-Q10-091123
East Site	Q10	ES-Q10-092309	NICKEL	43.7	10/06/09	61792	Y	ES-Q10-092309
East Site	Q11	ES-Q11-080606	NICKEL	37.8	05/06/09	57448	Y	ES-Q11-080606
East Site	Q17	ES-Q17-080609	NICKEL	21.7	05/03/09	57101	Y	ES-Q17-080609
East Site	R5	ES-R05-080521	NICKEL	31.6	06/05/09	58138	Y	ES-R05-080521
East Site	R5	ES-R05-091105	NICKEL	31.3	12/07/09	63407	Y	ES-R05-091105
East Site	R6	ES-R06-080521	NICKEL	33.9	06/22/09	58564	Y	ES-R06-080521
East Site	R7	ES-R07-080521	NICKEL	37.1	06/12/09	58214	Y	ES-R07-080521
East Site	R8	ES-R08-091021	NICKEL	33.8	11/19/09	62993	Y	ES-R08-091021
East Site	R8	ES-R08-091021	NICKEL	32.7	01/20/10	64208	Y	DUP-46
East Site	R9	ES-R09-080520	NICKEL	36.2	06/12/09	58214	Y	ES-R09-080520
East Site	R10	ES-R10-080602	NICKEL	28.5	06/12/09	58214	Y	ES-R10-080602
East Site	R11	ES-R11-080605	NICKEL	36.6	05/06/09	57448	Y	ES-R11-080605
East Site	R11	ES-R11-090910	NICKEL	35.5	09/28/09	61416	Y	ES-R11-090910
East Site	R11	ES-R11-090910	NICKEL	41.3	10/29/09	62500	Y	DUP-38
East Site	R12	ES-R12-080611	NICKEL	26.3	05/06/09	57448	Y	ES-R12-080611
East Site	R16	ES-R16-080605	NICKEL	21.5	05/03/09	57101	Y	ES-R16-080605
East Site	R17	ES-R17-080606	NICKEL	26	05/03/09	57101	Y	ES-R17-080606
East Site	S5	ES-S05-080521	NICKEL	42.3	06/12/09	58214	Y	ES-S05-080521
East Site	S6	ES-S06-080521	NICKEL	32.3	06/12/09	58214	Y	ES-S06-080521
East Site	S7	ES-S07-080521	NICKEL	38.1	06/12/09	58214	Y	ES-S07-080521
East Site	S8	ES-S08-091015	NICKEL	42.8	10/29/09	62500	Y	ES-S08-091015
East Site	S9	ES-S09-080522	NICKEL	39.5	06/12/09	58214	Y	ES-S09-080522
East Site	S10	ES-S10-080523	NICKEL	33.4	06/12/09	58214	Y	ES-S10-080523
East Site	S11	ES-S11-080528	NICKEL	25.4	06/12/09	58214	Y	ES-S11-080528
East Site	S12	ES-S12-080609	NICKEL	35.5	05/03/09	57101	Y	ES-S12-080609
East Site	S13	ES-S13-080610	NICKEL	20.9	05/03/09	57101	Y	ES-S13-080610
East Site	S17	ES-S17-090910	NICKEL	42.1	09/25/09	61416	Y	ES-S17-090910
East Site	S17	ES-S17-090910	NICKEL	37.5	10/06/09	61792	Y	DUP-37
East Site	S18	ES-S18-080606	NICKEL	26.7	05/03/09	57101	Y	ES-S18-080606
East Site	T7	ES-T07-080612	NICKEL	29.9	06/12/09	58214	Y	ES-T07-080612

Nickel Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	T8	ES-T08-080522	NICKEL	24.4	06/05/09	58138	Y	DUP-13
East Site	T8	ES-T08-080522	NICKEL	29.6	06/12/09	58214	Y	ES-T08-080522
East Site	T9	ES-T09-080522	NICKEL	28.9	06/12/09	58214	Y	ES-T09-080522
East Site	T10	ES-T10-080523	NICKEL	51.8	06/12/09	58214	Y	ES-T10-080523
East Site	T10	ES-T10-080523	NICKEL	45.6	06/12/09	58214	Y	DUP-14
East Site	T10	ES-T10-091015	NICKEL	42.6	10/29/09	62500	Y	ES-T10-091015
East Site	T11	ES-T11-080530	NICKEL	23.9	06/12/09	58214	Y	ES-T11-080530
East Site	T12	ES-T12-080609	NICKEL	19.9	05/03/09	57101	Y	ES-T12-080609
East Site	T13	ES-T13-080609	NICKEL	25.7	05/03/09	57101	Y	ES-T13-080609
East Site	T14	ES-T14-080610	NICKEL	19.5	05/03/09	57101	Y	ES-T14-080610
East Site	U10	ES-U10-080523	NICKEL	31.7	06/12/09	58214	Y	ES-U10-080523
East Site	U11	ES-U11-080602	NICKEL	20.2	06/22/09	58564	Y	ES-U11-080602
East Site	U13	ES-U13-080610	NICKEL	18	05/04/09	57431	Y	ES-U13-080610
East Site	U14	ES-U14-080610	NICKEL	17.3	05/04/09	57431	Y	ES-U14-080610
East Site	V11	ES-V11-080529	NICKEL	27.8	06/22/09	58564	Y	ES-V11-080529
East Site	V14	ES-V14-080605	NICKEL	16.9	05/04/09	57431	Y	ES-V14-080605
East Site	W12	ES-W12-080527	NICKEL	20.3	06/22/09	58564	Y	ES-W12-080527
West Site	A4	WS-A04-080626	NICKEL	33.6	07/11/09	59383	Y	WS-A04-080626
West Site	B2	WS-B02-100120	NICKEL	23	02/05/10	64437	Y	WS-B02-100120
West Site	B3	WS-B03-080502	NICKEL	36.1	07/11/09	59383	Y	WS-B03-080502
West Site	B4	WS-B04-080626	NICKEL	33.8	07/11/09	59383	Y	WS-B04-080626
West Site	B5	WS-B05-080626	NICKEL	29.6	07/24/09	59759	Y	WS-B05-080626
West Site	C1	WS-C01-080501	NICKEL	110	06/22/09	58564	Y	DUP-3
West Site	C1	WS-C01-080501	NICKEL	117	06/22/09	58564	Y	WS-C01-080501
West Site	C2	WS-C02-080428	NICKEL	22.7	07/24/09	59622	Y	WS-C02-080428
West Site	C2	WS-C02-100120	NICKEL	22.6	02/05/10	64437	Y	WS-C02-100120
West Site	C3	WS-C03-080620	NICKEL	37.5	07/24/09	59622	Y	WS-C03-080620
West Site	C4	WS-C04-080623	NICKEL	36.3	07/24/09	59622	Y	WS-C04-080623
West Site	C5	WS-C05-080620	NICKEL	36.2	07/24/09	59759	Y	WS-C05-080620
West Site	C5	WS-C05-100112	NICKEL	38	01/26/10	64335	Y	WS-C05-100112
West Site	C6	WS-C06-080624	NICKEL	33.4	07/24/09	59759	Y	WS-C06-080624
West Site	C6	WS-C06-091013	NICKEL	43.1	10/29/09	62500	Y	WS-C06-091013
West Site	D1	WS-D01-080430	NICKEL	27	06/22/09	58564	Y	WS-D01-080430
West Site	D2	WS-D02-080429	NICKEL	37.5	07/11/09	59383	Y	DUP-2
West Site	D2	WS-D02-080429	NICKEL	40.1	07/24/09	59622	Y	WS-D02-080429
West Site	D3	WS-D03-080620	NICKEL	38.3	07/24/09	59622	Y	WS-D03-080620
West Site	D4	WS-D04-080623	NICKEL	36.1	08/17/09	60441	Y	WS-D04-080623
West Site	D4	WS-D04-091230	NICKEL	28.2	01/20/10	64130	Y	WS-D04-091230
West Site	D5	WS-D05-080620	NICKEL	30.3	07/24/09	59759	Y	WS-D05-080620
West Site	D5	WS-D05-100111	NICKEL	40.6	01/26/10	64335	Y	WS-D05-100111
West Site	D6	WS-D06-080619	NICKEL	35.2	07/24/09	59759	Y	WS-D06-080619
West Site	D6	WS-D06-091013	NICKEL	47.4	10/29/09	62500	Y	WS-D06-091013
West Site	D7	WS-D07-080619	NICKEL	33.2	07/24/09	59759	Y	WS-D07-080619
West Site	D7	WS-D07-091013	NICKEL	40.3	10/29/09	62500	Y	WS-D07-091013
West Site	E1	WS-E01-080430	NICKEL	31.2	06/22/09	58564	Y	WS-E01-080430
West Site	E2	WS-E02-080428	NICKEL	42.7	07/11/09	59383	Y	DUP-1
West Site	E2	WS-E02-080428	NICKEL	51.7	07/24/09	59622	Y	WS-E02-080428
West Site	E2	WS-E02-100115	NICKEL	33.6	02/05/10	64437	Y	WS-E02-100115
West Site	E3	WS-E03-080619	NICKEL	30.1	07/24/09	59622	Y	WS-E03-080619
West Site	E4	WS-E04-080613	NICKEL	34.6	07/24/09	59759	Y	WS-E04-080613

Nickel Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	E4	WS-E04-091230	NICKEL	27.6	01/20/10	64130	Y	WS-E04-091230
West Site	E5	WS-E05-080613	NICKEL	31.4	07/24/09	59759	Y	WS-E05-080613
West Site	E5	WS-E05-100111	NICKEL	40.1	01/26/10	64335	Y	WS-E05-100111
West Site	E6	WS-E06-080613	NICKEL	37.1	07/24/09	59759	Y	WS-E06-080613
West Site	E6	WS-E06-091228	NICKEL	37.8	01/20/10	64130	Y	WS-E06-091228
West Site	E7	WS-E07-080613	NICKEL	36.6	07/24/09	59759	Y	WS-E07-080613
West Site	E7	WS-E07-091228	NICKEL	27.6	01/20/10	64130	Y	WS-E07-091228
West Site	E8	WS-E08-091228	NICKEL	33.8	01/20/10	64130	Y	WS-E08-091228
West Site	F1	WS-F01-080429	NICKEL	42	06/22/09	58564	Y	WS-F01-080429
West Site	F1	WS-F01-100115	NICKEL	21.9	02/05/10	64437	Y	WS-F01-100115
West Site	F2	WS-F02-080429	NICKEL	50.5	07/24/09	59622	Y	WS-F02-080429
West Site	F2	WS-F02-100115	NICKEL	36.8	02/05/10	64437	Y	WS-F02-100115
West Site	F3	WS-F03-080619	NICKEL	51.5	07/24/09	59622	Y	WS-F03-080619
West Site	F3	WS-F03-100115	NICKEL	29.9	02/05/10	64437	Y	WS-F03-100115
West Site	F4	WS-F04-080616	NICKEL	40.8	07/30/09	59891	Y	WS-F04-080616
West Site	F4	WS-F04-091230	NICKEL	27.4	01/20/10	64130	Y	WS-F04-091230
West Site	F5	WS-F05-080612	NICKEL	46.4	08/18/09	60441	Y	WS-F05-080612
West Site	F5	WS-F05-100111	NICKEL	40.8	01/26/10	64335	Y	WS-F05-100111
West Site	F6	WS-F06-080612	NICKEL	35	07/30/09	59891	Y	WS-F06-080612
West Site	F6	WS-F06-091228	NICKEL	34.4	01/20/10	64130	Y	WS-F06-091228
West Site	F7	WS-F07-080617	NICKEL	31.4	06/30/09	58730	Y	WS-F07-080617
West Site	F8	WS-F08-080618	NICKEL	41.5	06/30/09	58730	Y	WS-F08-080618
West Site	G1	WS-G01-080501	NICKEL	60.3	06/22/09	58564	Y	DUP-4
West Site	G1	WS-G01-080501	NICKEL	50.5	06/30/09	58730	Y	WS-G01-080501
West Site	G1	WS-G01-100113	NICKEL	64.4	01/26/10	64335	Y	WS-G01-100113
West Site	G1	WS-G01-100223	NICKEL	62.4	03/05/10	65038	Y	WS-G01-100223
West Site	G2	WS-G02-080618	NICKEL	39.6	07/24/09	59622	Y	WS-G02-080618
West Site	G2	WS-G02-100113	NICKEL	39.1	01/26/10	64335	Y	WS-G02-100113
West Site	G3	WS-G03-080619	NICKEL	30.1	07/24/09	59622	Y	WS-G03-080619
West Site	G4	WS-G04-080616	NICKEL	30.5	07/30/09	59891	Y	WS-G04-080616
West Site	G5	WS-G05-100108	NICKEL	41.7	01/20/10	64208	Y	WS-G05-100108
West Site	G5	WS-G05-100223	NICKEL	50.9	03/05/10	65038	Y	WS-G05-100223
West Site	G6	WS-G06-080616	NICKEL	34.7	07/30/09	59891	Y	WS-G06-080616
West Site	G6	WS-G06-100107	NICKEL	31.5	01/20/10	64208	Y	WS-G06-100107
West Site	G7	WS-G07-080617	NICKEL	128	06/30/09	58730	Y	WS-G07-080617
West Site	G7	WS-G07-100105	NICKEL	38.1	01/20/10	64208	Y	WS-G07-100105
West Site	H1	WS-H01-080501	NICKEL	43.2	06/30/09	58730	Y	WS-H01-080501
West Site	H2	WS-H02-080618	NICKEL	45.9	07/24/09	59622	Y	WS-H02-080618
West Site	H2	WS-H02-100113	NICKEL	33.9	01/26/10	64335	Y	WS-H02-100113
West Site	H3	WS-H03-080619	NICKEL	27.8	07/30/09	59891	Y	WS-H03-080619
West Site	H4	WS-H04-080616	NICKEL	28.8	07/30/09	59891	Y	WS-H04-080616
West Site	H5	WS-H05-100107	NICKEL	36.7	01/20/10	64208	Y	WS-H05-100107
West Site	H6	WS-H06-080617	NICKEL	27.5	06/30/09	58730	Y	WS-H06-080617
West Site	I1	WS-I01-080501	NICKEL	27.8	06/30/09	58730	Y	DUP-5
West Site	I1	WS-I01-080501	NICKEL	28.4	06/30/09	58730	Y	WS-I01-080501
West Site	I1	WS-I01-091013	NICKEL	31.5	10/29/09	62500	Y	WS-I01-091013
West Site	I2	WS-I02-080618	NICKEL	34.1	07/24/09	59759	Y	WS-I02-080618
West Site	I2	WS-I02-091014	NICKEL	41.1	10/29/09	62500	Y	WS-I02-091014
West Site	I2	WS-I02-100113	NICKEL	32.1	01/26/10	64335	Y	WS-I02-100113
West Site	I3	WS-I03-080618	NICKEL	31.8	07/30/09	59891	Y	WS-I03-080618

Nickel Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	I3	WS-I03-091013	NICKEL	42.9	10/29/09	62500	Y	WS-I03-091013
West Site	I3	WS-I03-100113	NICKEL	30	01/26/10	64335	Y	WS-I03-100113
West Site	I4	WS-I04-080617	NICKEL	31.4	07/30/09	59891	Y	WS-I04-080617
West Site	I4	WS-I04-100106	NICKEL	26.6	01/20/10	64208	Y	WS-I04-100106
West Site	I5	WS-I05-080617	NICKEL	66.7	06/30/09	58730	Y	WS-I05-080617
West Site	I5	WS-I05-091013	NICKEL	85.8	10/29/09	62500	Y	WS-I05-091013
West Site	I5	WS-I05-100107	NICKEL	31.8	01/20/10	64208	Y	WS-I05-100107
West Site	I6	WS-I06-080617	NICKEL	268	06/30/09	58730	Y	WS-I06-080617
West Site	I6	WS-I06-100105	NICKEL	31.9	01/20/10	64208	Y	WS-I06-100105
West Site	J1	WS-J01-080505	NICKEL	31.2	06/30/09	58730	Y	WS-J01-080505
West Site	J1	WS-J01-080505	NICKEL	32.1	06/30/09	58730	Y	DUP-6
West Site	J1	WS-J01-091013	NICKEL	41.3	10/29/09	62500	Y	WS-J01-091013
West Site	J1	WS-J01-100112	NICKEL	32.4	01/26/10	64335	Y	WS-J01-100112
West Site	J2	WS-J02-080624	NICKEL	17.1	06/30/09	58730	Y	WS-J02-080624
West Site	J2	WS-J02-100112	NICKEL	34.1	01/26/10	64335	Y	WS-J02-100112
West Site	J3	WS-J03-080620	NICKEL	36.9	07/08/09	59166	Y	WS-J03-080620
West Site	J4	WS-J04-080617	NICKEL	221	07/08/09	59166	Y	WS-J04-080617
West Site	J4	WS-J04-100106	NICKEL	36.1	01/20/10	64208	Y	WS-J04-100106
West Site	J5	WS-J05-080618	NICKEL	52.1	07/08/09	59166	Y	WS-J05-080618
West Site	K1	WS-K01-080505	NICKEL	30.3	07/08/09	59166	Y	WS-K01-080505
West Site	K1	WS-K01-091013	NICKEL	36.8	10/29/09	62500	Y	WS-K01-091013
West Site	K2	WS-K02-080509	NICKEL	35	07/08/09	59166	Y	WS-K02-080509
West Site	K3	WS-K03-080509	NICKEL	27.4	07/08/09	59166	Y	WS-K03-080509
West Site	K4	WS-K04-080513	NICKEL	24.8	07/08/09	59166	Y	WS-K04-080513
West Site	K4	WS-K04-080513	NICKEL	23.6	07/24/09	59759	Y	DUP-10
West Site	K4	WS-K04-100106	NICKEL	28.6	01/20/10	64208	Y	WS-K04-100106
West Site	K5	WS-K05-080509	NICKEL	24.8	07/08/09	59166	Y	WS-K05-080509
West Site	L1	WS-L01-080505	NICKEL	26.9	07/08/09	59166	Y	WS-L01-080505
West Site	L2	WS-L02-080508	NICKEL	32.5	07/08/09	59166	Y	WS-L02-080508
West Site	L3	WS-L03-080508	NICKEL	25.4	07/08/09	59166	Y	WS-L03-080508
West Site	L4	WS-L04-080508	NICKEL	39.3	07/08/09	59166	Y	WS-L04-080508
West Site	L4	WS-L04-080508	NICKEL	37.8	07/08/09	59166	Y	DUP-9
West Site	M1	WS-M01-080505	NICKEL	28.7	07/08/09	59166	Y	DUP-7
West Site	M1	WS-M01-080505	NICKEL	28.3	07/08/09	59166	Y	WS-M01-080505
West Site	M2	WS-M02-080507	NICKEL	26.6	07/24/09	59759	Y	WS-M02-080507
West Site	M3	WS-M03-080507	NICKEL	20.7	07/24/09	59622	Y	DUP-8
West Site	M3	WS-M03-080507	NICKEL	18.5	08/11/09	60090	Y	WS-M03-080507
West Site	M3	WS-M03-091217	NICKEL	25.6	01/06/10	63972	Y	WS-M03-091217
West Site	M3	WS-M03-091217	NICKEL	26.9	03/05/10	65038	Y	DUP-48
West Site	M4	WS-M04-080507	NICKEL	21	08/11/09	60090	Y	WS-M04-080507
West Site	M4	WS-M04-091218	NICKEL	17.1	01/06/10	63972	Y	WS-M04-091218
West Site	M4	WS-M04-091218	NICKEL	16.3	01/20/10	64130	Y	DUP-44
West Site	N1	WS-N01-080506	NICKEL	22.6	08/11/09	60090	Y	WS-N01-080506
West Site	N2	WS-N02-080506	NICKEL	23.7	07/11/09	59383	Y	WS-N02-080506
West Site	N3	WS-N03-080507	NICKEL	18.5	06/30/09	58730	Y	WS-N03-080507
West Site	O1	WS-O01-080506	NICKEL	19.6	07/11/09	59383	Y	WS-O01-080506
West Site	O2	WS-O02-080506	NICKEL	15.6	07/11/09	59383	Y	WS-O02-080506

Table Se-1: Selenium Data Quality Summary			
Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 80%	88%	
Minimum Matrix Spike Recovery	greater than 70%	9%	low
Average LCS Recovery	N/A	99%	
Average Matrix Spike Recovery	N/A	58%	
Maximum LCS RPD	less than 20%	11%	
Maximum Laboratory Duplicate RPD	less than 20%	152%	high
Average LCS RPD	N/A	3%	
Average Laboratory Duplicate RPD	N/A	36%	
Measurement Quality Objectives	Critera	Measured	
NPS CRM	Recovery greater than 2.78	Minimum Recovery =	0.14 mg/kg
EQIS CRM	See Note 1		
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	125 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	129 %
Overall QC Indicator Measurements	Criteria	Measured	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	89.7 %
NPS Replicate Test (Precision measure)	N/A	Standard Deviation =	0.16 mg/kg
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal		1.9 mg/kg	
Tier 2 Remediation Goal		14 mg/kg	
QC Derived Reliance Level		14.9 mg/kg See Note 2	

An average recovery of 89.7% from NPS CRMs, and an average LCS recovery of 99% indicate good accuracy. A low average matrix spike recovery (58%) indicates a bias towards low measurements when measuring selenium concentration in CVS samples. Qualified precision is indicated by high maximum laboratory duplicate RPD (152%), high maximum CVS split RPD (181%), high maximum CRM split RPD (171%) and high standard deviation of repeated measurements on the same sample (0.16 mg/kg) relative to the estimated mean (0.54 mg/kg). The minimum recovery of selenium from the NPS CRM (less than 0.14 mg/kg) is lower than the vendor supplied lower acceptance limit (2.78 mg/kg). The calculated derived reliance level (10.2 mg/kg) is between the Tier 1 and Tier 2 RGs (1.9 mg/kg and 14 mg/kg respectively). No CVS selenium concentrations exceeded the derived reliance level, so there is adequate confidence in decisions that the Tier 2 RG (14 mg/kg) is not exceeded in any grid. The selenium Tier 1 RG (1.9 mg/kg) is much lower than the Tier 2 RG (14 mg/kg), so a derived reliance level based on the Tier 2 RG does not provide a good basis to evaluate decision confidence related to Tier 1 RG achievement. A modified RL is calculated using the Tier 1 RG rather than Tier 2 RG is 1.3 mg/kg. The highest CVS measured concentration is much less than this. Hence it is concluded that the compromised measurement accuracy and precision for selenium is not expected to influence the outcome of decisions related to the achievement of selenium RGs, and that the selenium CVS concentration measurements are of acceptable quality and may be used to determine RG achievement.

Note 1: The QAPP required CRMs have only 4 analytes from each analyte group. Selenium is not one of these analytes.

Note 2: The average matrix spike recovery (61%) was used in the calculation of the derived reliance level rather than the NPS CRM recovery (90%) to account for a significant CVS matrix interference that would not be accounted for by NPS CRM measurement variance.Derived reliance level is calculated as:

(Tier 2 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (14)(1.2)(.897)-(0.84)(.16) =14.9 mg/kg

Table Se-2: Selenium - NPS CRMs

Blind NPS CRM Results

Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 56	2.3	4/27/09	57238	Y
BOR SAMPLE 6-BOR 81	3.2	5/7/09	57447	Y
BOR Sample 4-BOR 82	3.6	5/25/09	57705	Y
BOR Sample 3-BOR 58	3.8	6/6/09	58141	Y
BOR 83	3	6/7/09	58141	Y
BOR 84	4.6	6/10/09	58209	Y
BOR Sample 7-BOR 105	5.1	6/10/09	58209	Y
BOR 85	0.14	7/8/09	59134	N
BOR Sample 8-BOR 106	4.5	7/8/09	59134	Y
BOR 86	3.9	7/12/09	59326	Y
BOR 108	4.1	7/17/09	59325	Y
BOR 87	4.6	7/17/09	59325	Y
BOR 109	2.7	7/19/09	59422	Y
BOR 110	2.3	7/27/09	59707	Y
BOR Sample 9-BOR 107	2.9	8/27/09	59930	Y
BOR 111	3.8	8/27/09	60257	Y

CRMs		Vendor Supplied Information
Mean	3.41	*Made to*
Median	3.70	*3.80 mg/kg*
Standard Deviation	1.21	
Sample Variance	1.47	*Upper Acceptance Limit*
Kurtosis	2.35	*4.26 mg/kg*
Skewness	-1.20	
Range	4.96	*Lower Acceptance Limit*
Minimum	0.14	*2.78 mg/kg*
Maximum	5.10	
Sum	54.54	
Count	16.00	
Largest(2)	4.60	
Smallest(2)	2.30	

Table Se-3: Selenium - NPS Replicate Tests on a Background Sample				
Results of Replicate Analyses of a Single Sample				
Sample	Result	Analysis Date	Batch	Detect
BOR 112	0.4	4/27/09	57238	Y
BOR 59	0.6	5/6/09	57447	Y
BOR 60	0.55	5/24/09	57705	Y
BOR 113	0.53	6/6/09	58141	Y
BOR 61	0.25	6/6/09	58141	Y
BOR 62	0.56	7/12/09	59326	Y
BOR 63	0.42	7/17/09	59325	Y
BOR 89	0.51	7/17/09	59325	Y
BOR 115	0.43	7/19/09	59422	Y
BOR 116	0.33	7/27/09	59707	Y
BOR 92	0.36	7/27/09	59707	Y
BOR 64	0.53	7/28/09	59706	Y
BOR 91	0.54	7/28/09	59706	Y
BOR 65	0.45	7/30/09	59931	Y
BOR 88	0.57	8/27/09	60257	Y
BOR 800	0.63	9/21/09	61420	Y
BOR-802	0.45	10/6/09	61841	Y
BOR 804	0.62	1/8/10	63138	Y
BOR-805	0.69	1/11/10	63139	Y
BOR-807	0.73	1/13/10	64107	Y
BOR-808	0.66	1/15/10	64151	Y
BOR 813	0.61	1/20/10	64238	Y
BOR 815	0.7	1/25/10	64340	Y
BOR-816	1	1/26/10	64341	Y
BOR-820	0.4	3/8/10	65040	Y

Replicate analyses of Single Sample	
Mean	0.541
Median	0.540
Standard Deviation	0.155
Sample Variance	0.024
Kurtosis	1.999
Skewness	0.779
Range	0.750
Minimum	0.250
Maximum	1.000
Sum	13.520
Count	25.000
Largest(2)	0.730
Smallest(2)	0.330

Table Se-4: Selenium NPS and EQIS							
Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 503	0.42	5/7/09	57447	ES-T11-080530	0.56	7/12/2009	29
BOR 506	0.32	5/25/09	57705	ES-S10-080523	0.38	7/11/2009	17
BOR 504	0.11	6/6/09	58141	ES-M05-080527	0.10	6/9/2009	10
BOR 507	3.00	7/8/09	59134	ES-O09-080610			
BOR 508	0.16	7/17/09	59325	ES-Q11-080606	0.10	5/22/2009	46
BOR 510	0.42	7/19/09	59422	OU-8HR-080605	0.39	4/27/2009	7
BOR 501	0.16	7/28/09	59706	WS-L04-080508	0.45	7/27/2009	95
BOR 505	0.48	7/30/09	59931	WS-K03-080509	0.46	7/27/2009	4
BOR 502	0.44	8/27/09	59930	WS-F05-080612	0.39	8/27/2009	12
BOR 509	0.14	8/27/09	59930	WS-E06-080613	0.16	8/26/2009	13
BOR 500	0.44	8/27/09	60257	WS-F01-080429	0.46	7/17/2009	4
BOR-809	0.24	1/19/10	64219	ES-K03-091103	0.12	1/13/2010	67
BOR-810	0.15	1/19/10	64219	ES-P07-091022	0.10	1/11/2010	40
BOR-811	0.11	1/19/10	64219	ES-R08-091021	0.24	1/11/2010	74
BOR 814	0.33	1/21/10	64238	ES-J05-091124	0.24	1/19/2010	32
BOR-818	0.11	3/8/10	65040	WS-F05-100111	0.26	1/25/2010	81
BOR-822	0.29	3/8/10	65040	ES-Q08-091228	0.15	1/20/2010	64
DUP-11	0.36	4/27/09	57237	ES-J03-080513	0.50	7/17/2009	33
DUP-17	0.38	5/7/09	57447	ES-F01-080529	0.66	5/22/2009	54
DUP-15	0.24	5/23/09	57705	ES-J02-080527	0.09	6/5/2009	87
DUP-18	0.18	5/23/09	57705	ES-J04-080530	0.27	6/5/2009	40
DUP-12	0.11	6/5/09	58141	ES-P06-080515	0.12	7/7/2009	9
DUP-16	0.11	6/5/09	58141	ES-P04-080528	0.11	7/7/2009	0
DUP-19	0.24	6/10/09	58209	ES-K05-080605	0.29	6/9/2009	19
DUP-13	0.24	7/7/09	59134	ES-T08-080522	0.20	7/11/2009	18
DUP-14	0.14	7/12/09	59326	ES-T10-080523	0.23	7/11/2009	49
DUP-3	0.35	7/17/09	59325	WS-C01-080501	0.30	7/17/2009	15
DUP-4	0.41	7/17/09	59325	WS-G01-080501	0.27	7/18/2009	41
DUP-5	0.44	7/19/09	59422	WS-I01-080501	0.41	7/18/2009	7
DUP-6	0.72	7/19/09	59422	WS-J01-080505	0.38	7/18/2009	62
DUP-7	0.55	7/27/09	59706	WS-M01-080505	0.56	7/27/2009	2
DUP-1	0.36	7/27/09	59707	WS-E02-080428	0.33	7/30/2009	9
DUP-2	0.16	7/27/09	59707	WS-D02-080429	0.16	7/30/2009	0
DUP-9	0.21	7/28/09	59706	WS-L04-080508	0.45	7/27/2009	73
DUP-8	0.24	7/30/09	59931	WS-M03-080507	0.77	8/25/2009	105
DUP-10	0.56	8/26/09	59930	WS-K04-080513	0.13	7/27/2009	125
DUP-37	0.15	10/6/09	61841	ES-S17-090910	0.30	9/21/2009	67
DUP-38	0.12	1/8/10	63138	ES-R11-090910	0.15	9/21/2009	22
DUP-39	0.46	1/8/10	63138	ES-C01-090910	0.39	9/21/2009	16
DUP-40	0.75	1/11/10	63139	ES-A01-102109			
DUP-44	0.34	1/20/10	64238	WS-M04-091218	0.38	1/20/2010	11
DUP-45	0.21	1/20/10	64238	ES-J05-091124	0.24	1/19/2010	13
DUP-46	0.17	1/25/10	64340	ES-R08-091021	0.24	1/11/2010	34
DUP-47	0.12	1/26/10	64341	ES-K02-091103	0.12	1/13/2010	0
DUP-48	0.17	3/8/10	65040	WS-M03-091217	0.11	1/20/2010	43

Table Se-4: Selenium NPS and EQIS (continued)

Value represents reporting limit

RPD of Sample Splits	
Mean	36.011
Median	28.571
Standard Deviation	31.913
Sample Variance	1018.413
Kurtosis	0.158
Skewness	0.944
Range	124.638
Minimum	0.000
Maximum	124.638
Sum	1548.493
Count	43.000
Largest(2)	104.950
Smallest(2)	0.000

Table Se-5: Selenium EQIS CRMs						
Results of Duplicate Analysis of EQIS CRMs						
Sample	Result	Date	Batch	Detect	Average	RPD
ES-Z11-080605A	1.4	4/28/09	57237	Y		
ES-Z11-080605B	2.2	4/28/09	57237	Y	1.8	44
ES-Z09-080529A	0.35	5/6/09	57447	Y	1.3	
ES-Z09-080529B	0.21	5/6/09	57447	Y	0.3	50
ES-Z12-080606A	0.15	5/6/09	57447	Y	0.2	
ES-Z12-080606B	0.34	5/6/09	57447	Y	0.2	78
ES-Z05-080519A	0.13	5/23/09	57705	N	0.2	
ES-Z05-080519B	0.15	5/23/09	57705	N	0.1	14
ES-Z06-080520A	0.24	5/23/09	57705	Y	0.2	
ES-Z06-080520B	0.15	5/25/09	57705	N	0.2	46
ES-Z07-080522A	0.23	6/6/09	58141	Y	0.2	
ES-Z07-080522B	0.16	6/6/09	58141	N	0.2	36
ES-Z13-080610A	0.17	6/10/09	58209	N	0.2	
ES-Z13-080610B	0.17	6/10/09	58209	N	0.2	0
ES-Z10-080602A	0.19	7/7/09	59134	N	0.2	
ES-Z10-080602B	0.24	7/7/09	59134	Y	0.2	23
ES-Z08-080527A	0.32	7/12/09	59326	Y	0.3	
ES-Z08-080527B	0.37	7/12/09	59326	Y	0.3	14
ES-Z14-080611A	0.6	7/17/09	59325	Y	0.5	
ES-Z14-080611B	0.24	7/17/09	59325	Y	0.4	86
ES-Z06-080520C	0.19	7/19/09	59422	N	0.2	
ES-Z06-080520D	0.25	7/19/09	59422	Y	0.2	27
ES-Z19-080624A	0.19	7/27/09	59707	N	0.2	
ES-Z19-080624B	0.16	7/27/09	59707	N	0.2	17
WS-Z17-080618A	0.16	7/27/09	59707	N	0.2	
WS-Z17-080618B	0.18	7/27/09	59707	N	0.2	12
ES-Z05-080519C	0.15	7/28/09	59706	N	0.2	
ES-Z05-080519D	0.15	7/28/09	59706	N	0.2	0
WS-Z15-080613A	0.31	7/30/09	59931	Y	0.2	
WS-Z15-080613B	0.17	7/30/09	59931	Y	0.2	58
WS-Z18-080620A	0.28	7/30/09	59931	Y	0.2	
WS-Z18-080620B	0.27	7/30/09	59931	Y	0.3	4
WS-Z16-080617A	0.2	8/27/09	60257	Y	0.2	
WS-Z16-080617B	0.23	8/27/09	60257	Y	0.2	14
ES-Z22-091021A	0.16	1/11/10	63139	N	0.2	
ES-Z22-091021B	0.15	1/11/10	63139	N	0.2	6
ES-Z23-091022A	0.16	1/11/10	63139	N	0.2	
ES-Z23-091022B	0.17	1/11/10	63139	N	0.2	6
ES-Z24-091103A	0.24	1/13/10	64107	Y	0.2	
ES-Z24-091103B	0.14	1/13/10	64107	N	0.2	53
ES-Z25-091104A	0.17	1/13/10	64107	Y	0.2	
ES-Z25-091104B	0.13	1/13/10	64107	Y	0.2	27
ES-Z26-091105A	0.17	1/14/10	64151	N	0.2	
ES-Z26-091105B	0.36	1/14/10	64151	Y	0.3	72
ES-Z27-091106A	0.19	1/14/10	64151	Y	0.3	
ES-Z27-091106B	0.47	1/14/10	64151	Y	0.3	85
WS-Z29-091217A	0.19	1/20/10	64237	Y	0.3	
WS-Z29-091217B	0.17	1/20/10	64237	Y	0.2	11
WS-Z30-091230A	0.28	1/20/10	64238	Y	0.2	
WS-Z30-091230B	1.3	1/21/10	64238	Y	0.8	129

Table Se-5: Selenium EQIS CRMs (continued)

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z31-100107A	0.41	1/25/10	64340	Y		
WS-Z31-100107B	0.47	1/25/10	64340	Y	0.4	14
WS-Z32-100113A	2	1/26/10	64341	Y		
WS-Z32-100113B	2.7	1/26/10	64341	Y	2.4	30
ES-Z33-100225A	0.24	3/8/10	65040	Y		
ES-Z33-100225B	0.35	3/8/10	65040	Y	0.3	37

Analysis of EQIS CRMs	
Mean	0.38
Median	0.21
Standard Deviation	0.52
Sample Variance	0.27
Kurtosis	10.34
Skewness	3.25
Range	2.57
Minimum	0.13
Maximum	2.70
Sum	21.52
Count	56.00
Largest(2)	2.20
Smallest(2)	0.13

RPD of EQIS CRMs	
Mean	35.47
Median	26.97
Standard Deviation	31.58
Sample Variance	997.19
Kurtosis	1.37
Skewness	1.22
Range	129.11
Minimum	0.00
Maximum	129.11
Sum	993.19
Count	28.00
Largest(2)	85.71
Smallest(2)	0.00

Table Se-6: Selenium Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
91	7160081	4	88	7160081	4
22	49237	10	102	49237	10
18	49238	9	90	49238	9
86	49521	23	95	49521	23
61	49522	24	92	49522	24
9	54752	69	95	54752	69
35	54876	73	105	54876	73
86	54952	79	115	54952	79
64	54953	80	110	54953	80
62	57237	100	100	57237	100
114	57238	101	105	57238	101
49	57705	135	110	57705	135
50	58141	144	105	58141	144
47	58209	148	100	58209	148
60	59134	171	95	59134	171
75	59325	179	90	59325	179
60	59326	180	100	59326	180
86	59422	189	110	59422	189
49	59706	201	100	59706	201
73	59707	200	100	59707	200
79	59931	207	105	59931	207
57	59930	232	95	59930	232
41	60257	234	95	60257	234
74	60258	236	100	60258	236
62	60651	235	90	60651	235
48	61420	241	100	61420	241
58	61841	251	100	61841	251
215	63138	306	95	63138	306
37	63139	307	95	63139	307
33	64107	309	95	64107	309
38	64151	311	95	64151	311
40	64219	312	100	64219	312
22	64237	318	100	64237	318
37	64238	316	100	64238	316
46	64340	327	100	64340	327
36	64341	326	100	64341	326
42	64545	340	105	64545	340
50	65040	353	100	65040	353
51	70129	365	100	70129	365

Average MS Recovery = 58 %
Minimum MS Recovery = 9 %

Average LCS Recovery = 99 %
Minimum LCS Recovery = 88 %

Table Se-6: Selenium Laboratory MS and LCS (Graph)

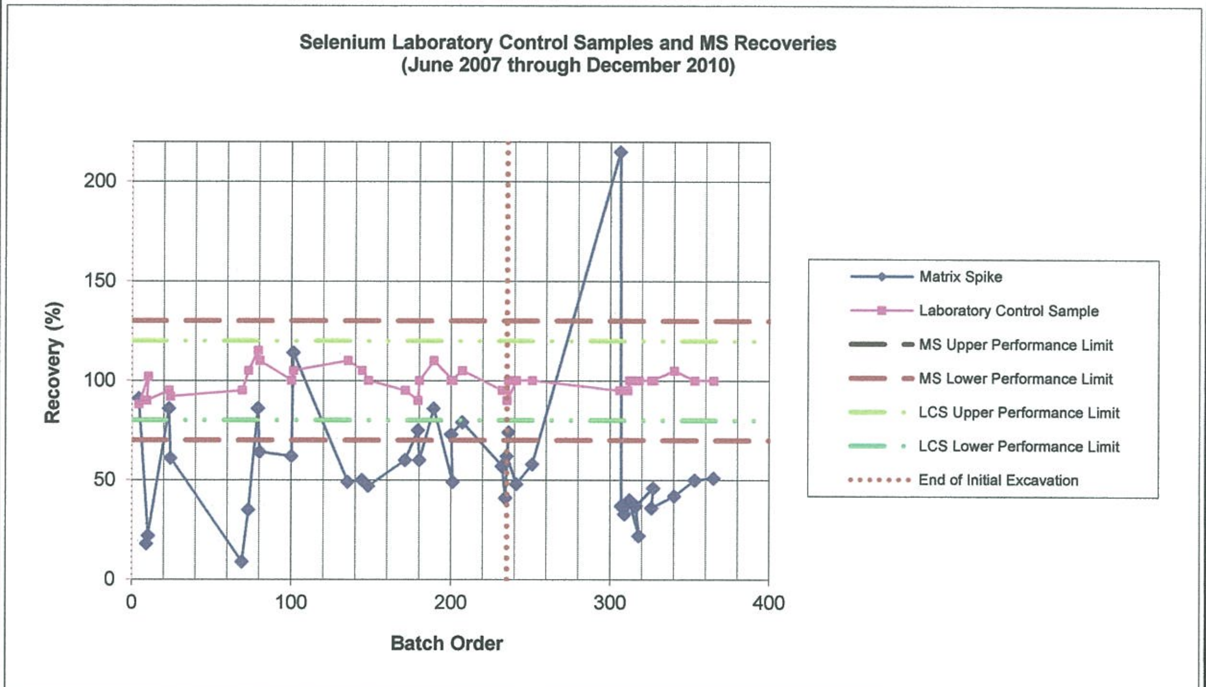


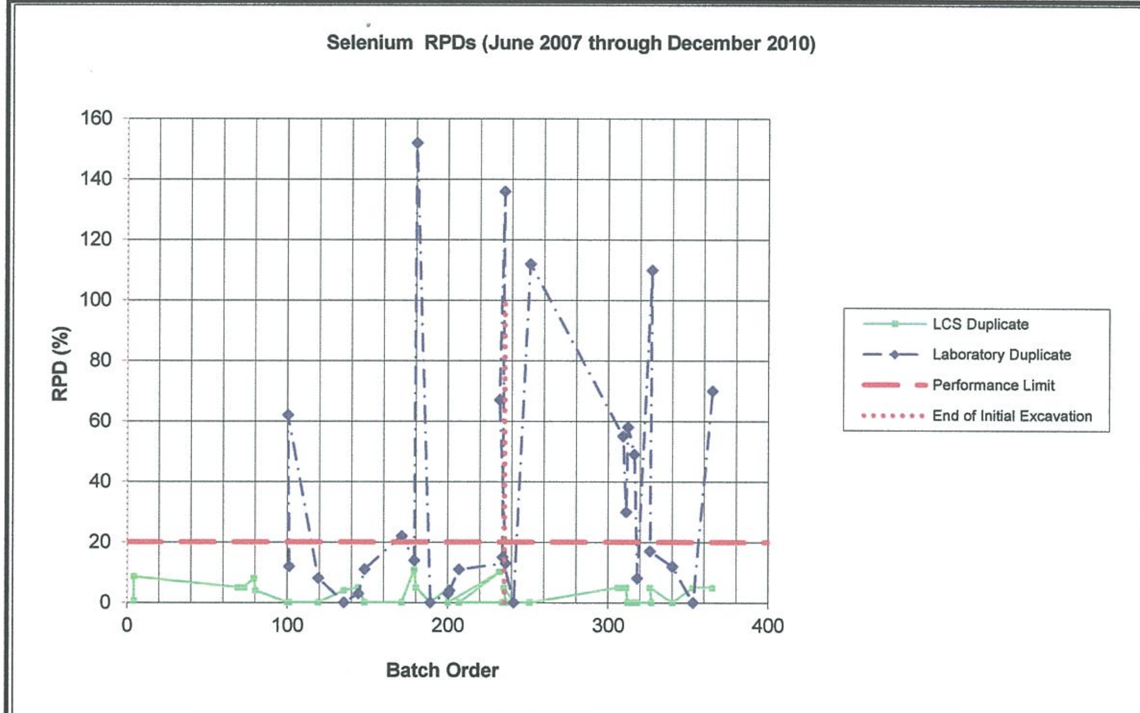
Table Se-7: Selenium - Laboratory Duplicates and LCS Duplicates

Laboratory Duplicate RPD	Batch	Order	LCS Duplicate RPD	Batch	Order
12	57238	101	0.56	7160081	4
62	57237	100	8.6	7160081	4
8	57447	119	5	54752	69
0	57705	135	5	54876	73
3	58141	144	8	54952	79
11	58209	148	4	54953	80
22	59134	171	0	57237	100
14	59325	179	0	57238	101
152	59326	180	0	57447	119
0	59422	189	4	57705	135
3	59707	200	5	58141	144
4	59706	201	0	58209	148
11	59931	207	0	59134	171
13	60258	236	11	59325	179
67	59930	232	5	59326	180
136	60651	235	0	59422	189
15	60257	234	5	59706	201
0	61420	241	0	59707	200
112	61841	251	10	59930	232
55	64107	309	0	59931	207
30	64151	311	0	60257	234
58	64219	312	0	60258	236
49	64238	316	5	60651	235
8	64237	318	0	61420	241
110	64340	327	0	61841	251
17	64341	326	5	63138	306
12	64545	340	5	63139	307
0	65040	353	5	64107	309
70	70129	365	5	64151	311
			0	64219	312
			0	64237	318
			0	64238	316
			0	64340	327
			5	64341	326
			0	64545	340
			5	65040	353
			5	70129	365

Average Duplicate RPD = 36 % Average LCS RPD = 3 %

Maximum Duplicate RPD = 152 % Maximum LCS RPD = 11 %

Table Se-7: Selenium - Laboratory Duplicates and LCS Duplicates (Graph)



SELENIUM Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	A1	ES-A01-090910	SELENIUM	0.61	09/21/09	61420	Y	ES-A01-090910
East Site	A1	ES-A01-102109	SELENIUM	0.75	01/11/10	63139	Y	DUP-40
East Site	B1	ES-B01-080623	SELENIUM	0.58	04/27/09	57237	Y	ES-B01-080623
East Site	C1	ES-C01-080624	SELENIUM	0.22	04/27/09	57237	Y	ES-C01-080624
East Site	C1	ES-C01-090910	SELENIUM	0.39	09/21/09	61420	Y	ES-C01-090910
East Site	C1	ES-C01-090910	SELENIUM	0.46	01/08/10	63138	Y	DUP-39
East Site	D1	ES-D01-080624	SELENIUM	0.29	07/08/09	59134	Y	ES-D01-080624
East Site	E1	ES-E01-090910	SELENIUM	0.41	09/21/09	61420	Y	ES-E01-090910
East Site	E2	ES-E02-090910	SELENIUM	0.18	09/21/09	61420	Y	ES-E02-090910
East Site	F1	ES-F01-080529	SELENIUM	0.38	05/07/09	57447	Y	DUP-17
East Site	F1	ES-F01-080529	SELENIUM	0.66	05/22/09	57705	Y	ES-F01-080529
East Site	G1	ES-G01-080529	SELENIUM	0.24	05/22/09	57705	Y	ES-G01-080529
East Site	G2	ES-G02-080605	SELENIUM	0.47	05/22/09	57705	Y	ES-G02-080605
East Site	H1	ES-H01-080528	SELENIUM	0.096	05/22/09	57705	N	ES-H01-080528
East Site	H1	ES-H01-091105	SELENIUM	0.28	01/14/10	64151	Y	ES-H01-091105
East Site	H2	ES-H02-080515	SELENIUM	0.25	05/22/09	57705	Y	ES-H02-080515
East Site	H3	ES-H03-080605	SELENIUM	0.36	06/05/09	58141	Y	ES-H03-080605
East Site	I1	ES-I01-080529	SELENIUM	0.17	06/05/09	58141	Y	ES-I01-080529
East Site	I1	ES-I01-091105	SELENIUM	0.34	01/15/10	64151	Y	ES-I01-091105
East Site	I2	ES-I02-080514	SELENIUM	0.13	06/05/09	58141	N	ES-I02-080514
East Site	I3	ES-I03-080513	SELENIUM	0.3	06/05/09	58141	Y	ES-I03-080513
East Site	I4	ES-I04-080602	SELENIUM	0.39	06/05/09	58141	Y	ES-I04-080602
East Site	I4	ES-I04-091106	SELENIUM	0.49	01/15/10	64151	Y	ES-I04-091106
East Site	J1	ES-J01-080529	SELENIUM	0.24	06/05/09	58141	Y	ES-J01-080529
East Site	J2	ES-J02-080527	SELENIUM	0.24	05/23/09	57705	Y	DUP-15
East Site	J2	ES-J02-080527	SELENIUM	0.094	06/05/09	58141	N	ES-J02-080527
East Site	J2	ES-J02-091105	SELENIUM	0.16	01/15/10	64151	Y	ES-J02-091105
East Site	J3	ES-J03-080513	SELENIUM	0.36	04/27/09	57237	Y	DUP-11
East Site	J3	ES-J03-080513	SELENIUM	0.5	07/17/09	59325	Y	ES-J03-080513
East Site	J3	ES-J03-091103	SELENIUM	0.35	01/13/10	64107	Y	ES-J03-091103
East Site	J4	ES-J04-080530	SELENIUM	0.18	05/23/09	57705	Y	DUP-18
East Site	J4	ES-J04-080530	SELENIUM	0.27	06/05/09	58141	Y	ES-J04-080530
East Site	J4	ES-J04-091103	SELENIUM	0.11	01/13/10	64107	N	ES-J04-091103
East Site	J5	ES-J05-080602	SELENIUM	0.31	06/05/09	58141	Y	ES-J05-080602
East Site	J5	ES-J05-091124	SELENIUM	0.24	01/19/10	64219	Y	ES-J05-091124
East Site	J5	ES-J05-091124	SELENIUM	0.21	01/20/10	64238	Y	DUP-45
East Site	J5	ES-J05-100112	SELENIUM	0.18	01/25/10	64341	Y	ES-J05-100112
East Site	K1	ES-K01-080602	SELENIUM	0.25	06/05/09	58141	Y	ES-K01-080602
East Site	K2	ES-K02-080602	SELENIUM	0.11	05/22/09	57705	N	ES-K02-080602
East Site	K2	ES-K02-091103	SELENIUM	0.12	01/13/10	64107	N	ES-K02-091103
East Site	K2	ES-K02-091103	SELENIUM	0.12	01/26/10	64341	N	DUP-47
East Site	K3	ES-K03-080514	SELENIUM	0.63	06/06/09	58141	Y	ES-K03-080514
East Site	K3	ES-K03-091103	SELENIUM	0.12	01/13/10	64107	N	ES-K03-091103
East Site	K4	ES-K04-080527	SELENIUM	0.24	06/09/09	58209	Y	ES-K04-080527
East Site	K5	ES-K05-080605	SELENIUM	0.29	06/09/09	58209	Y	ES-K05-080605
East Site	K5	ES-K05-080605	SELENIUM	0.24	06/10/09	58209	Y	DUP-19
East Site	K7	ES-K07-080611	SELENIUM	0.55	05/06/09	57447	Y	ES-K07-080611
East Site	K7	ES-K07-090924	SELENIUM	0.25	10/06/09	61841	Y	ES-K07-090924

SELENIUM Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	K7	ES-K07-091123	SELENIUM	0.45	01/19/10	64219	Y	ES-K07-091123
East Site	L1	ES-L01-080625	SELENIUM	0.12	06/09/09	58209	N	ES-L01-080625
East Site	L2	ES-L02-080625	SELENIUM	0.14	06/09/09	58209	N	ES-L02-080625
East Site	L3	ES-L03-080604	SELENIUM	0.26	06/09/09	58209	Y	ES-L03-080604
East Site	L3	ES-L03-091104	SELENIUM	0.15	01/13/10	64107	Y	ES-L03-091104
East Site	L4	ES-L04-080604	SELENIUM	0.2	07/09/09	59325	Y	ES-L04-080604
East Site	L4	ES-L04-091104	SELENIUM	0.24	01/13/10	64107	Y	ES-L04-091104
East Site	L5	ES-L05-091104	SELENIUM	0.17	01/14/10	64107	Y	ES-L05-091104
East Site	L6	ES-L06-091104	SELENIUM	0.15	01/13/10	64107	Y	ES-L06-091104
East Site	M1	ES-M01-080527	SELENIUM	0.24	06/09/09	58209	Y	ES-M01-080527
East Site	M2	ES-M02-080519	SELENIUM	0.12	06/09/09	58209	N	ES-M02-080519
East Site	M3	ES-M03-091022	SELENIUM	0.16	01/11/10	63139	Y	ES-M03-091022
East Site	M3	ES-M03-091228	SELENIUM	0.23	01/20/10	64238	Y	ES-M03-091228
East Site	M4	ES-M04-080515	SELENIUM	0.15	06/09/09	58209	Y	ES-M04-080515
East Site	M5	ES-M05-080527	SELENIUM	0.1	06/09/09	58209	Y	ES-M05-080527
East Site	M6	ES-M06-080520	SELENIUM	0.1	06/09/09	58209	N	ES-M06-080520
East Site	M6	ES-M06-091105	SELENIUM	0.11	01/14/10	64151	N	ES-M06-091105
East Site	M7	ES-M07-091105	SELENIUM	0.55	01/15/10	64151	Y	ES-M07-091105
East Site	M8	ES-M08-080610	SELENIUM	0.25	05/06/09	57447	Y	ES-M08-080610
East Site	M8	ES-M08-090924	SELENIUM	0.37	10/06/09	61841	Y	ES-M08-090924
East Site	M8	ES-M08-091123	SELENIUM	0.21	01/19/10	64219	Y	ES-M08-091123
East Site	M9	ES-M09-080611	SELENIUM	0.41	05/06/09	57447	Y	ES-M09-080611
East Site	N2	ES-N02-080528	SELENIUM	0.16	06/10/09	58209	N	ES-N02-080528
East Site	N3	ES-N03-080520	SELENIUM	0.13	06/10/09	58209	N	ES-N03-080520
East Site	N4	ES-N04-080519	SELENIUM	0.26	06/10/09	58209	Y	ES-N04-080519
East Site	N5	ES-N05-080519	SELENIUM	0.14	06/10/09	58209	Y	ES-N05-080519
East Site	N5	ES-N05-091105	SELENIUM	0.099	01/15/10	64151	Y	ES-N05-091105
East Site	N6	ES-N06-080527	SELENIUM	0.15	07/07/09	59134	Y	ES-N06-080527
East Site	N7	ES-N07-080530	SELENIUM	0.14	07/07/09	59134	Y	ES-N07-080530
East Site	N7	ES-N07-100225	SELENIUM	0.17	03/08/10	65040	Y	ES-N07-100225
East Site	N8	ES-N08-080610	SELENIUM	0.37	05/07/09	57447	Y	ES-N08-080610
East Site	N8	ES-N08-090924	SELENIUM	0.15	10/06/09	61841	N	ES-N08-090924
East Site	N8	ES-N08-091124	SELENIUM	0.15	01/19/10	64219	N	ES-N08-091124
East Site	N9	ES-N09-080610	SELENIUM	0.23	05/06/09	57447	Y	ES-N09-080610
East Site	N9	ES-N09-090924	SELENIUM	0.11	10/06/09	61841	N	ES-N09-090924
East Site	N10	ES-N10-080610	SELENIUM	0.22	05/06/09	57447	Y	ES-N10-080610
East Site	O3	ES-O03-080528	SELENIUM	0.13	07/07/09	59134	N	ES-O03-080528
East Site	O4	ES-O04-080515	SELENIUM	0.13	07/07/09	59134	N	ES-O04-080515
East Site	O5	ES-O05-080520	SELENIUM	0.1	07/07/09	59134	N	ES-O05-080520
East Site	O6	ES-O06-080529	SELENIUM	0.098	07/07/09	59134	N	ES-O06-080529
East Site	O6	ES-O06-091105	SELENIUM	0.11	01/14/10	64151	N	ES-O06-091105
East Site	O7	ES-O07-100225	SELENIUM	0.24	03/08/10	65040	Y	ES-O07-100225
East Site	O8	ES-O08-080530	SELENIUM	0.34	08/26/09	59930	Y	ES-O08-080530
East Site	O8	ES-O08-100225	SELENIUM	0.17	03/08/10	65040	Y	ES-O08-100225
East Site	O9	ES-O09-091014	SELENIUM	0.35	01/08/10	63138	Y	ES-O09-091014
East Site	O9	ES-O09-092309	SELENIUM	0.14	10/06/09	61841	N	ES-O09-092309
East Site	O10	ES-O10-091014	SELENIUM	0.52	01/08/10	63138	Y	ES-O10-091014
East Site	O10	ES-O10-091123	SELENIUM	0.35	01/19/10	64219	Y	ES-O10-091123

SELENIUM Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	O10	ES-O10-092309	SELENIUM	0.15	10/06/09	61841	N	ES-O10-092309
East Site	P4	ES-P04-080528	SELENIUM	0.11	06/05/09	58141	N	DUP-16
East Site	P4	ES-P04-080528	SELENIUM	0.11	07/07/09	59134	N	ES-P04-080528
East Site	P5	ES-P05-080513	SELENIUM	0.13	07/07/09	59134	N	ES-P05-080513
East Site	P6	ES-P06-080515	SELENIUM	0.11	06/05/09	58141	N	DUP-12
East Site	P6	ES-P06-080515	SELENIUM	0.12	07/07/09	59134	N	ES-P06-080515
East Site	P7	ES-P07-080519	SELENIUM	0.18	06/09/09	58209	N	ES-P07-080519
East Site	P7	ES-P07-091022	SELENIUM	0.1	01/11/10	63139	N	ES-P07-091022
East Site	P8	ES-P08-080530	SELENIUM	0.35	07/07/09	59134	Y	ES-P08-080530
East Site	P10	ES-P10-080606	SELENIUM	0.12	05/06/09	57447	N	ES-P10-080606
East Site	P10	ES-P10-091014	SELENIUM	0.1	01/08/10	63138	N	ES-P10-091014
East Site	P10	ES-P10-092309	SELENIUM	0.12	10/06/09	61841	N	ES-P10-092309
East Site	P11	ES-P11-080606	SELENIUM	0.12	05/06/09	57447	N	ES-P11-080606
East Site	P11	ES-P11-092309	SELENIUM	0.15	10/06/09	61841	N	ES-P11-092309
East Site	Q5	ES-Q05-080520	SELENIUM	0.15	07/08/09	59134	N	ES-Q05-080520
East Site	Q5	ES-Q05-091105	SELENIUM	0.3	01/14/10	64151	Y	ES-Q05-091105
East Site	Q6	ES-Q06-091021	SELENIUM	0.11	01/11/10	63139	N	ES-Q06-091021
East Site	Q7	ES-Q07-091021	SELENIUM	0.12	01/11/10	63139	N	ES-Q07-091021
East Site	Q7	ES-Q07-091228	SELENIUM	0.25	01/20/10	64238	Y	ES-Q07-091228
East Site	Q8	ES-Q08-091021	SELENIUM	0.34	01/12/10	63139	Y	ES-Q08-091021
East Site	Q8	ES-Q08-091228	SELENIUM	0.15	01/20/10	64238	Y	ES-Q08-091228
East Site	Q9	ES-Q09-080612	SELENIUM	0.3	07/07/09	59134	Y	ES-Q09-080612
East Site	Q10	ES-Q10-080606	SELENIUM	0.21	05/22/09	57705	Y	ES-Q10-080606
East Site	Q10	ES-Q10-091123	SELENIUM	0.47	01/19/10	64219	Y	ES-Q10-091123
East Site	Q10	ES-Q10-092309	SELENIUM	0.14	10/06/09	61841	Y	ES-Q10-092309
East Site	Q11	ES-Q11-080606	SELENIUM	0.1	05/22/09	57705	Y	ES-Q11-080606
East Site	Q17	ES-Q17-080609	SELENIUM	0.23	04/27/09	57237	Y	ES-Q17-080609
East Site	R5	ES-R05-080521	SELENIUM	0.14	07/07/09	59134	N	ES-R05-080521
East Site	R5	ES-R05-091105	SELENIUM	0.38	01/14/10	64151	Y	ES-R05-091105
East Site	R6	ES-R06-080521	SELENIUM	0.16	07/17/09	59325	Y	ES-R06-080521
East Site	R7	ES-R07-080521	SELENIUM	0.19	07/10/09	59326	Y	ES-R07-080521
East Site	R8	ES-R08-091021	SELENIUM	0.24	01/11/10	63139	Y	ES-R08-091021
East Site	R8	ES-R08-091021	SELENIUM	0.17	01/25/10	64340	Y	DUP-46
East Site	R9	ES-R09-080520	SELENIUM	0.12	07/10/09	59326	Y	ES-R09-080520
East Site	R10	ES-R10-080602	SELENIUM	0.21	07/10/09	59326	Y	ES-R10-080602
East Site	R11	ES-R11-080605	SELENIUM	0.1	05/22/09	57705	N	ES-R11-080605
East Site	R11	ES-R11-090910	SELENIUM	0.15	09/21/09	61420	Y	ES-R11-090910
East Site	R11	ES-R11-090910	SELENIUM	0.12	01/08/10	63138	N	DUP-38
East Site	R12	ES-R12-080611	SELENIUM	0.22	05/25/09	57705	Y	ES-R12-080611
East Site	R16	ES-R16-080605	SELENIUM	0.22	04/27/09	57237	Y	ES-R16-080605
East Site	R17	ES-R17-080606	SELENIUM	0.24	04/27/09	57237	Y	ES-R17-080606
East Site	S5	ES-S05-080521	SELENIUM	0.14	07/10/09	59326	N	ES-S05-080521
East Site	S6	ES-S06-080521	SELENIUM	0.19	07/10/09	59326	Y	ES-S06-080521
East Site	S7	ES-S07-080521	SELENIUM	0.14	07/10/09	59326	N	ES-S07-080521
East Site	S8	ES-S08-091015	SELENIUM	0.14	01/08/10	63138	N	ES-S08-091015
East Site	S9	ES-S09-080522	SELENIUM	0.18	07/11/09	59326	Y	ES-S09-080522
East Site	S10	ES-S10-080523	SELENIUM	0.38	07/11/09	59326	Y	ES-S10-080523
East Site	S11	ES-S11-080528	SELENIUM	0.19	07/11/09	59326	N	ES-S11-080528

SELENIUM Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	S12	ES-S12-080609	SELENIUM	0.15	04/27/09	57237	N	ES-S12-080609
East Site	S13	ES-S13-080610	SELENIUM	0.34	04/27/09	57237	Y	ES-S13-080610
East Site	S17	ES-S17-090910	SELENIUM	0.3	09/21/09	61420	Y	ES-S17-090910
East Site	S17	ES-S17-090910	SELENIUM	0.15	10/06/09	61841	N	DUP-37
East Site	S18	ES-S18-080606	SELENIUM	0.18	04/27/09	57237	Y	ES-S18-080606
East Site	T7	ES-T07-080612	SELENIUM	0.14	07/11/09	59326	N	ES-T07-080612
East Site	T8	ES-T08-080522	SELENIUM	0.24	07/07/09	59134	Y	DUP-13
East Site	T8	ES-T08-080522	SELENIUM	0.2	07/11/09	59326	Y	ES-T08-080522
East Site	T9	ES-T09-080522	SELENIUM	0.3	07/11/09	59326	Y	ES-T09-080522
East Site	T10	ES-T10-080523	SELENIUM	0.23	07/11/09	59326	Y	ES-T10-080523
East Site	T10	ES-T10-080523	SELENIUM	0.14	07/12/09	59326	N	DUP-14
East Site	T10	ES-T10-091015	SELENIUM	0.23	01/11/10	63138	Y	ES-T10-091015
East Site	T11	ES-T11-080530	SELENIUM	0.56	07/12/09	59326	Y	ES-T11-080530
East Site	T12	ES-T12-080609	SELENIUM	0.36	04/27/09	57237	Y	ES-T12-080609
East Site	T13	ES-T13-080609	SELENIUM	0.4	04/27/09	57237	Y	ES-T13-080609
East Site	T14	ES-T14-080610	SELENIUM	0.42	04/27/09	57237	Y	ES-T14-080610
East Site	U10	ES-U10-080523	SELENIUM	0.14	07/11/09	59326	N	ES-U10-080523
East Site	U11	ES-U11-080602	SELENIUM	0.41	07/17/09	59325	Y	ES-U11-080602
East Site	U13	ES-U13-080610	SELENIUM	0.5	05/06/09	57447	Y	ES-U13-080610
East Site	U14	ES-U14-080610	SELENIUM	0.63	05/06/09	57447	Y	ES-U14-080610
East Site	V11	ES-V11-080529	SELENIUM	0.22	07/17/09	59325	Y	ES-V11-080529
East Site	V14	ES-V14-080605	SELENIUM	0.67	05/06/09	57447	Y	ES-V14-080605
East Site	W12	ES-W12-080527	SELENIUM	0.33	07/17/09	59325	Y	ES-W12-080527
West Site	A4	WS-A04-080626	SELENIUM	0.17	07/27/09	59707	N	WS-A04-080626
West Site	B2	WS-B02-100120	SELENIUM	0.43	02/05/10	64545	Y	WS-B02-100120
West Site	B3	WS-B03-080502	SELENIUM	0.13	07/27/09	59707	N	WS-B03-080502
West Site	B4	WS-B04-080626	SELENIUM	0.15	07/27/09	59707	N	WS-B04-080626
West Site	B5	WS-B05-080626	SELENIUM	0.4	08/26/09	59930	Y	WS-B05-080626
West Site	C1	WS-C01-080501	SELENIUM	0.3	07/17/09	59325	Y	WS-C01-080501
West Site	C1	WS-C01-080501	SELENIUM	0.35	07/17/09	59325	Y	DUP-3
West Site	C2	WS-C02-080428	SELENIUM	0.4	07/30/09	59931	Y	WS-C02-080428
West Site	C2	WS-C02-100120	SELENIUM	0.31	02/05/10	64545	Y	WS-C02-100120
West Site	C3	WS-C03-080620	SELENIUM	0.14	07/30/09	59931	N	WS-C03-080620
West Site	C4	WS-C04-080623	SELENIUM	0.22	07/30/09	59931	Y	WS-C04-080623
West Site	C5	WS-C05-080620	SELENIUM	0.17	08/26/09	59930	Y	WS-C05-080620
West Site	C5	WS-C05-100112	SELENIUM	0.25	01/25/10	64341	Y	WS-C05-100112
West Site	C6	WS-C06-080624	SELENIUM	0.34	08/26/09	59930	Y	WS-C06-080624
West Site	C6	WS-C06-091013	SELENIUM	0.33	01/08/10	63138	Y	WS-C06-091013
West Site	D1	WS-D01-080430	SELENIUM	0.64	07/17/09	59325	Y	WS-D01-080430
West Site	D2	WS-D02-080429	SELENIUM	0.16	07/27/09	59707	N	DUP-2
West Site	D2	WS-D02-080429	SELENIUM	0.16	07/30/09	59931	N	WS-D02-080429
West Site	D3	WS-D03-080620	SELENIUM	0.14	07/30/09	59931	N	WS-D03-080620
West Site	D4	WS-D04-080623	SELENIUM	0.4	08/27/09	60651	Y	WS-D04-080623
West Site	D4	WS-D04-091230	SELENIUM	0.15	01/20/10	64238	Y	WS-D04-091230
West Site	D5	WS-D05-080620	SELENIUM	0.26	08/26/09	59930	Y	WS-D05-080620
West Site	D5	WS-D05-100111	SELENIUM	0.14	01/25/10	64341	Y	WS-D05-100111
West Site	D6	WS-D06-080619	SELENIUM	0.27	08/26/09	59930	Y	WS-D06-080619
West Site	D6	WS-D06-091013	SELENIUM	0.16	01/08/10	63138	Y	WS-D06-091013

SELENIUM Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	D7	WS-D07-080619	SELENIUM	0.52	08/26/09	59930	Y	WS-D07-080619
West Site	D7	WS-D07-091013	SELENIUM	0.27	01/08/10	63138	Y	WS-D07-091013
West Site	E1	WS-E01-080430	SELENIUM	0.58	07/17/09	59325	Y	WS-E01-080430
West Site	E2	WS-E02-080428	SELENIUM	0.36	07/27/09	59707	Y	DUP-1
West Site	E2	WS-E02-080428	SELENIUM	0.33	07/30/09	59931	Y	WS-E02-080428
West Site	E2	WS-E02-100115	SELENIUM	0.2	02/05/10	64545	Y	WS-E02-100115
West Site	E3	WS-E03-080619	SELENIUM	0.15	07/30/09	59931	N	WS-E03-080619
West Site	E4	WS-E04-080613	SELENIUM	0.3	08/26/09	59930	Y	WS-E04-080613
West Site	E4	WS-E04-091230	SELENIUM	0.32	01/21/10	64238	Y	WS-E04-091230
West Site	E5	WS-E05-080613	SELENIUM	0.26	08/26/09	59930	Y	WS-E05-080613
West Site	E5	WS-E05-100111	SELENIUM	0.11	01/25/10	64341	N	WS-E05-100111
West Site	E6	WS-E06-080613	SELENIUM	0.16	08/26/09	59930	N	WS-E06-080613
West Site	E6	WS-E06-091228	SELENIUM	0.12	01/20/10	64238	Y	WS-E06-091228
West Site	E7	WS-E07-080613	SELENIUM	0.35	08/26/09	59930	Y	WS-E07-080613
West Site	E7	WS-E07-091228	SELENIUM	0.42	01/20/10	64238	Y	WS-E07-091228
West Site	E8	WS-E08-091228	SELENIUM	0.23	01/20/10	64238	Y	WS-E08-091228
West Site	F1	WS-F01-080429	SELENIUM	0.46	07/17/09	59325	Y	WS-F01-080429
West Site	F1	WS-F01-100115	SELENIUM	0.34	02/05/10	64545	Y	WS-F01-100115
West Site	F2	WS-F02-080429	SELENIUM	0.26	07/30/09	59931	Y	WS-F02-080429
West Site	F2	WS-F02-100115	SELENIUM	0.21	02/05/10	64545	Y	WS-F02-100115
West Site	F3	WS-F03-080619	SELENIUM	0.13	07/30/09	59931	N	WS-F03-080619
West Site	F3	WS-F03-100115	SELENIUM	0.23	02/05/10	64545	Y	WS-F03-100115
West Site	F4	WS-F04-080616	SELENIUM	0.36	08/27/09	60257	Y	WS-F04-080616
West Site	F4	WS-F04-091230	SELENIUM	0.21	01/20/10	64238	Y	WS-F04-091230
West Site	F5	WS-F05-080612	SELENIUM	0.39	08/27/09	60651	Y	WS-F05-080612
West Site	F5	WS-F05-100111	SELENIUM	0.26	01/25/10	64341	Y	WS-F05-100111
West Site	F6	WS-F06-080612	SELENIUM	0.37	08/27/09	60257	Y	WS-F06-080612
West Site	F6	WS-F06-091228	SELENIUM	0.14	01/20/10	64238	Y	WS-F06-091228
West Site	F7	WS-F07-080617	SELENIUM	0.48	07/18/09	59422	Y	WS-F07-080617
West Site	F8	WS-F08-080618	SELENIUM	0.39	07/18/09	59422	Y	WS-F08-080618
West Site	G1	WS-G01-080501	SELENIUM	0.41	07/17/09	59325	Y	DUP-4
West Site	G1	WS-G01-080501	SELENIUM	0.27	07/18/09	59422	Y	WS-G01-080501
West Site	G1	WS-G01-100113	SELENIUM	0.4	01/26/10	64341	Y	WS-G01-100113
West Site	G1	WS-G01-100223	SELENIUM	0.33	03/08/10	65040	Y	WS-G01-100223
West Site	G2	WS-G02-080618	SELENIUM	0.22	07/30/09	59931	Y	WS-G02-080618
West Site	G2	WS-G02-100113	SELENIUM	0.56	01/26/10	64341	Y	WS-G02-100113
West Site	G3	WS-G03-080619	SELENIUM	0.22	07/30/09	59931	Y	WS-G03-080619
West Site	G4	WS-G04-080616	SELENIUM	0.38	08/27/09	60257	Y	WS-G04-080616
West Site	G5	WS-G05-100108	SELENIUM	0.26	01/25/10	64340	Y	WS-G05-100108
West Site	G5	WS-G05-100223	SELENIUM	0.2	03/08/10	65040	Y	WS-G05-100223
West Site	G6	WS-G06-080616	SELENIUM	0.3	08/27/09	60257	Y	WS-G06-080616
West Site	G6	WS-G06-100107	SELENIUM	0.32	01/26/10	64340	Y	WS-G06-100107
West Site	G7	WS-G07-080617	SELENIUM	0.47	07/18/09	59422	Y	WS-G07-080617
West Site	G7	WS-G07-100105	SELENIUM	0.38	01/25/10	64340	Y	WS-G07-100105
West Site	H1	WS-H01-080501	SELENIUM	0.36	07/18/09	59422	Y	WS-H01-080501
West Site	H2	WS-H02-080618	SELENIUM	0.24	07/30/09	59931	Y	WS-H02-080618
West Site	H2	WS-H02-100113	SELENIUM	0.29	01/26/10	64341	Y	WS-H02-100113
West Site	H3	WS-H03-080619	SELENIUM	0.12	08/27/09	60257	Y	WS-H03-080619

SELENIUM Results from 12/16/2010 database								
Site	quarter_acre _grid	sample_location	chemical_name	result_value	analysis _date	batch _id	detect _flag	sample_name
West Site	H4	WS-H04-080616	SELENIUM	0.25	08/27/09	60257	Y	WS-H04-080616
West Site	H5	WS-H05-100107	SELENIUM	0.14	01/25/10	64340	Y	WS-H05-100107
West Site	H6	WS-H06-080617	SELENIUM	0.28	07/18/09	59422	Y	WS-H06-080617
West Site	I1	WS-I01-080501	SELENIUM	0.41	07/18/09	59422	Y	WS-I01-080501
West Site	I1	WS-I01-080501	SELENIUM	0.44	07/19/09	59422	Y	DUP-5
West Site	I1	WS-I01-091013	SELENIUM	0.41	01/08/10	63138	Y	WS-I01-091013
West Site	I2	WS-I02-080618	SELENIUM	0.36	08/26/09	59930	Y	WS-I02-080618
West Site	I2	WS-I02-091014	SELENIUM	0.42	01/08/10	63138	Y	WS-I02-091014
West Site	I2	WS-I02-100113	SELENIUM	0.44	01/26/10	64341	Y	WS-I02-100113
West Site	I3	WS-I03-080618	SELENIUM	0.2	08/27/09	60257	N	WS-I03-080618
West Site	I3	WS-I03-091013	SELENIUM	0.39	01/08/10	63138	Y	WS-I03-091013
West Site	I3	WS-I03-100113	SELENIUM	0.21	01/26/10	64341	Y	WS-I03-100113
West Site	I4	WS-I04-080617	SELENIUM	0.22	08/28/09	60257	Y	WS-I04-080617
West Site	I4	WS-I04-100106	SELENIUM	0.12	01/25/10	64340	Y	WS-I04-100106
West Site	I5	WS-I05-080617	SELENIUM	0.23	07/18/09	59422	Y	WS-I05-080617
West Site	I5	WS-I05-091013	SELENIUM	0.35	01/08/10	63138	Y	WS-I05-091013
West Site	I5	WS-I05-100107	SELENIUM	0.12	01/25/10	64340	N	WS-I05-100107
West Site	I6	WS-I06-080617	SELENIUM	0.67	07/18/09	59422	Y	WS-I06-080617
West Site	I6	WS-I06-100105	SELENIUM	0.16	01/25/10	64340	Y	WS-I06-100105
West Site	J1	WS-J01-080505	SELENIUM	0.38	07/18/09	59422	Y	WS-J01-080505
West Site	J1	WS-J01-080505	SELENIUM	0.72	07/19/09	59422	Y	DUP-6
West Site	J1	WS-J01-091013	SELENIUM	0.58	01/08/10	63138	Y	WS-J01-091013
West Site	J1	WS-J01-100112	SELENIUM	0.18	01/25/10	64341	Y	WS-J01-100112
West Site	J2	WS-J02-080624	SELENIUM	0.4	07/19/09	59422	Y	WS-J02-080624
West Site	J2	WS-J02-100112	SELENIUM	0.23	01/25/10	64341	Y	WS-J02-100112
West Site	J3	WS-J03-080620	SELENIUM	0.27	07/27/09	59706	Y	WS-J03-080620
West Site	J4	WS-J04-080617	SELENIUM	0.46	07/27/09	59706	Y	WS-J04-080617
West Site	J4	WS-J04-100106	SELENIUM	0.23	01/25/10	64340	Y	WS-J04-100106
West Site	J5	WS-J05-080618	SELENIUM	0.17	07/27/09	59706	Y	WS-J05-080618
West Site	K1	WS-K01-080505	SELENIUM	0.46	07/27/09	59706	Y	WS-K01-080505
West Site	K1	WS-K01-091013	SELENIUM	0.79	01/08/10	63138	Y	WS-K01-091013
West Site	K2	WS-K02-080509	SELENIUM	0.52	07/27/09	59706	Y	WS-K02-080509
West Site	K3	WS-K03-080509	SELENIUM	0.46	07/27/09	59706	Y	WS-K03-080509
West Site	K4	WS-K04-080513	SELENIUM	0.13	07/27/09	59706	N	WS-K04-080513
West Site	K4	WS-K04-080513	SELENIUM	0.56	08/26/09	59930	Y	DUP-10
West Site	K4	WS-K04-100106	SELENIUM	0.28	01/25/10	64340	Y	WS-K04-100106
West Site	K5	WS-K05-080509	SELENIUM	0.27	07/27/09	59706	Y	WS-K05-080509
West Site	L1	WS-L01-080505	SELENIUM	0.35	07/27/09	59706	Y	WS-L01-080505
West Site	L2	WS-L02-080508	SELENIUM	0.71	07/28/09	59706	Y	WS-L02-080508
West Site	L3	WS-L03-080508	SELENIUM	0.39	07/27/09	59706	Y	WS-L03-080508
West Site	L4	WS-L04-080508	SELENIUM	0.45	07/27/09	59706	Y	WS-L04-080508
West Site	L4	WS-L04-080508	SELENIUM	0.21	07/28/09	59706	Y	DUP-9
West Site	M1	WS-M01-080505	SELENIUM	0.55	07/27/09	59706	Y	DUP-7
West Site	M1	WS-M01-080505	SELENIUM	0.56	07/27/09	59706	Y	WS-M01-080505
West Site	M2	WS-M02-080507	SELENIUM	0.7	08/26/09	59930	Y	WS-M02-080507
West Site	M3	WS-M03-080507	SELENIUM	0.24	07/30/09	59931	Y	DUP-8
West Site	M3	WS-M03-080507	SELENIUM	0.77	08/25/09	60258	Y	WS-M03-080507
West Site	M3	WS-M03-091217	SELENIUM	0.11	01/20/10	64237	N	WS-M03-091217

SELENIUM Results from 12/16/2010 database								
Site	quarter_acre _grid	sample_location	chemical_name	result_value	analysis _date	batch _id	detect _flag	sample_name
West Site	M3	WS-M03-091217	SELENIUM	0.17	03/08/10	65040	Y	DUP-48
West Site	M4	WS-M04-080507	SELENIUM	0.55	08/25/09	60258	Y	WS-M04-080507
West Site	M4	WS-M04-091218	SELENIUM	0.38	01/20/10	64237	Y	WS-M04-091218
West Site	M4	WS-M04-091218	SELENIUM	0.34	01/20/10	64238	Y	DUP-44
West Site	N1	WS-N01-080506	SELENIUM	0.43	08/25/09	60258	Y	WS-N01-080506
West Site	N2	WS-N02-080506	SELENIUM	0.31	07/27/09	59707	Y	WS-N02-080506
West Site	N3	WS-N03-080507	SELENIUM	0.58	07/18/09	59422	Y	WS-N03-080507
West Site	O1	WS-O01-080506	SELENIUM	0.34	07/27/09	59707	Y	WS-O01-080506
West Site	O2	WS-O02-080506	SELENIUM	0.55	07/27/09	59707	Y	WS-O02-080506

Table Ag-1: Silver Data Quality Summary			
Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 80%	81%	
Minimum Matrix Spike Recovery	greater than 70%	3%	low
Average LCS Recovery	N/A	92%	
Average Matrix Spike Recovery	N/A	87%	
Maximum LCS RPD	less than 20%	6%	
Maximum Laboratory Duplicate RPD	less than 20%	30%	high
Average LCS RPD	N/A	2%	
Average Laboratory Duplicate RPD	N/A	7%	
Measurement Quality Objectives	Critera	Measured	
NPS CRM	Recovery greater than 4.88	Minimum Recovery =	25.30 mg/kg
EQIS CRM	See Note 1		
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	169 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	17 %
Overall QC Indicator Measurements	Criteria	Measured	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	81.8 %
NPS Replicate Test (Precision measure)	N/A	Standard Deviation =	mg/kg
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal	17	mg/kg	
Tier 2 Remediation Goal			
QC Derived Reliance Level	16.6	mg/kg	See Note 2

Comments: Silver analyses attained matrix spike recovery laboratory performance criteria except for low matrix spike recoveries for laboratory batches 49334 and 49335. Only background samples were tested in these batches so the compromised silver recovery does not necessarily imply a problem with CVS sample measurement quality. An average matrix spike recovery of 87 percent indicates matrix interference may present a bias toward low concentrations. Imprecision is indicated by high laboratory duplicate RPD (30%) and high maximum CVS split RPD (169%). Although the derived reliance level is less than the RG (17 mg/kg), no CVS samples exceeded the RL. Based on the foregoing, together with the review of the QC data, it is concluded that the silver CVS measurements have acceptable quality and may be used to determine RG achievement.

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Note 1: The QAPP required CRMs have only 4 analytes from each analyte group. Silver is not one of these analytes.

Note 2: Repeated tests on the same sample resulted in no reportable concentrations so a standard deviation for the data set is not calculated. Since the standard deviation is not available and is needed to effect the calculation of the derived reliance level, it is necessary to create an estimate of the expected standard deviation from other information. Therefore, a coefficient of variation (100%) is estimated from CVS split RPDs and multiplied by an approximate silver measurement reporting limit (0.1 mg/kg) to arrive at an estimate of standard deviation (0.1 mg/kg). This estimate is used to calculate the derived reliance level (16.6 mg/kg).
Derived reliance level is calculated as:
(Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (17)(1.2)(.818)-(0.84)(.1) = 16.6 mg/kg

Table Ag-2: Silver - NPS CRMs

Blind NPS CRM Results

Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 56	26.6	5/1/09	57223	Y
BOR SAMPLE 6-BOR 81	27.7	5/1/09	57284	Y
BOR Sample 4-BOR 82	28.3	5/11/09	57543	Y
BOR 83	26.5	5/24/09	57792	Y
BOR Sample 3-BOR 58	25.3	5/24/09	57792	Y
BOR 84	25.6	5/28/09	57847	Y
BOR Sample 7-BOR 105	26.2	5/28/09	57847	Y
BOR 85	29.6	6/9/09	58135	Y
BOR Sample 8-BOR 106	29.8	6/9/09	58135	Y
BOR 86	28.1	6/10/09	58212	Y
BOR 108	29.6	6/20/09	58565	Y
BOR 87	30.1	6/20/09	58565	Y
BOR 109	26.2	7/7/09	58728	Y
BOR 110	27.2	7/13/09	59381	Y
BOR Sample 9-BOR 107	29.6	7/27/09	59757	Y
BOR 111	28.8	7/29/09	59889	Y

CRMs		Vendor Supplied Information
Mean	27.8	*Made to*
Median	27.9	*34.0 mg/kg*
Standard Deviation	1.63	
Sample Variance	2.67	*Upper Acceptance Limit*
Kurtosis	-1.51	*38.3 mg/kg*
Skewness	-0.05	
Range	4.80	*Lower Acceptance Limit*
Minimum	25.3	*23.1 mg/kg*
Maximum	30.1	
Sum	445.2	
Count	16.0	
Largest(2)	29.8	
Smallest(2)	25.6	

Table Ag-3: Silver - NPS Replicate Tests on a Background Sample

Results of Replicate Analyses of a Single Sample

Sample	Result	Analysis Date	Batch	Detect
BOR 112	0.6	5/1/09	57223	Y
BOR 59	0.58	5/1/09	57284	Y
BOR 60	0.86	5/11/09	57543	Y
BOR 113	0.13	5/24/09	57792	N
BOR 61	0.098	5/24/09	57792	N
BOR 62	0.13	6/10/09	58212	N
BOR 63	0.14	6/20/09	58565	N
BOR 89	0.15	6/20/09	58565	N
BOR 115	0.12	7/7/09	58728	N
BOR 64	0.18	7/8/09	59163	N
BOR 91	0.13	7/8/09	59163	N
BOR 116	0.13	7/13/09	59381	N
BOR 92	0.15	7/13/09	59381	N
BOR 65	0.15	7/20/09	59621	N
BOR 88	0.13	7/29/09	59889	N
BOR-802	0.14	10/6/09	61790	N
BOR 804	0.18	10/28/09	62499	N
BOR-805	0.12	11/5/09	62754	N
BOR 800	0.17	11/9/09	61414	N
BOR-807	0.15	11/25/09	63215	N
BOR-808	0.18	12/8/09	63405	N
BOR 813	0.13	1/19/10	64128	N
BOR 815	0.1	1/19/10	64206	N
BOR-816	0.15	1/27/10	64333	N
BOR-820	0.15	3/5/10	65036	N

Replicate analyses of Single Sample	
Mean	
Median	To little data above reporting limit for meaningful
Standard Deviation	statistical evaluation
Sample Variance	
Kurtosis	
Skewness	
Range	
Minimum	
Maximum	
Sum	
Count	
Largest(2)	
Smallest(2)	

Table Ag-4: Silver NPS and EQIS Duplicates							
Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 503	1.000	5/1/09	57284	ES-T11-080530	$\boxed{0.120}$	6/10/2009	157
BOR 506	1.100	5/11/09	57543	ES-S10-080523	$\boxed{0.160}$	6/10/2009	149
BOR 504	$\boxed{0.120}$	5/24/09	57792	ES-M05-080527	$\boxed{0.096}$	5/28/2009	
BOR 507	$\boxed{0.160}$	6/9/09	58135	ES-O09-080610			
BOR 508	$\boxed{0.110}$	6/20/09	58565	ES-Q11-080606	1.100	5/11/2009	164
BOR 510	$\boxed{0.180}$	7/7/09	58728	OU-8HR-080605	$\boxed{0.130}$	5/1/2009	
BOR 501	$\boxed{0.170}$	7/8/09	59163	WS-L04-080508	$\boxed{0.120}$	7/8/2009	
BOR 505	0.340	7/20/09	59621	WS-K03-080509	0.370	7/8/2009	8
BOR 502	0.300	7/27/09	59757	WS-F05-080612	$\boxed{0.180}$	8/18/2009	50
BOR 509	$\boxed{0.140}$	7/27/09	59757	WS-E06-080613	$\boxed{0.170}$	7/27/2009	
BOR 500	$\boxed{0.160}$	7/29/09	59889	WS-F01-080429	$\boxed{0.140}$	6/20/2009	
BOR-809	$\boxed{0.110}$	12/15/09	63529	ES-K03-091103	$\boxed{0.110}$	11/25/2009	
BOR-810	$\boxed{0.098}$	12/15/09	63529	ES-P07-091022	$\boxed{0.095}$	11/5/2009	
BOR-811	$\boxed{0.094}$	12/15/09	63529	ES-R08-091021	$\boxed{0.096}$	11/5/2009	
BOR 814	$\boxed{0.110}$	1/19/10	64128	ES-J05-091124	$\boxed{0.100}$	12/15/2009	
BOR-818	$\boxed{0.120}$	3/5/10	65036	WS-F05-100111	$\boxed{0.097}$	1/27/2010	
BOR-822	$\boxed{0.088}$	3/5/10	65036	ES-Q08-091228	$\boxed{0.098}$	1/19/2010	
DUP-11	0.880	5/1/09	57147	ES-J03-080513	$\boxed{0.110}$	6/20/2009	156
DUP-17	0.790	5/1/09	57284	ES-F01-080529	0.960	5/11/2009	19
DUP-15	1.100	5/11/09	57543	ES-J02-080527	$\boxed{0.093}$	5/24/2009	169
DUP-18	1.100	5/11/09	57543	ES-J04-080530	$\boxed{0.120}$	5/24/2009	161
DUP-12	$\boxed{0.120}$	5/24/09	57792	ES-P06-080515	$\boxed{0.130}$	6/9/2009	
DUP-16	$\boxed{0.100}$	5/24/09	57792	ES-P04-080528	$\boxed{0.120}$	6/9/2009	
DUP-19	$\boxed{0.140}$	5/28/09	57847	ES-K05-080605	$\boxed{0.110}$	5/28/2009	
DUP-13	$\boxed{0.110}$	6/9/09	58135	ES-T08-080522	$\boxed{0.130}$	6/10/2009	
DUP-14	$\boxed{0.140}$	6/10/09	58212	ES-T10-080523	$\boxed{0.130}$	6/10/2009	
DUP-3	$\boxed{0.150}$	6/20/09	58565	WS-C01-080501	$\boxed{0.120}$	6/20/2009	
DUP-4	$\boxed{0.130}$	6/20/09	58565	WS-G01-080501	$\boxed{0.130}$	7/7/2009	
DUP-5	0.240	7/7/09	58728	WS-I01-080501	0.250	7/7/2009	4
DUP-6	0.380	7/7/09	58728	WS-J01-080505	0.330	7/7/2009	14
DUP-7	0.230	7/8/09	59163	WS-M01-080505	0.290	7/8/2009	23
DUP-9	$\boxed{0.140}$	7/8/09	59163	WS-L04-080508	$\boxed{0.120}$	7/8/2009	
DUP-1	$\boxed{0.140}$	7/13/09	59381	WS-E02-080428	$\boxed{0.140}$	7/20/2009	
DUP-2	$\boxed{0.140}$	7/13/09	59381	WS-D02-080429	$\boxed{0.140}$	7/20/2009	
DUP-8	0.200	7/20/09	59621	WS-M03-080507	0.320	8/5/2009	46
DUP-10	$\boxed{0.130}$	7/27/09	59757	WS-K04-080513	$\boxed{0.140}$	7/8/2009	
DUP-37	$\boxed{0.130}$	10/5/09	61790	ES-S17-090910	$\boxed{0.140}$	9/28/2009	
DUP-38	$\boxed{0.100}$	10/28/09	62499	ES-R11-090910	$\boxed{0.110}$	11/9/2009	
DUP-39	$\boxed{0.091}$	10/28/09	62499	ES-C01-090910	$\boxed{0.110}$	11/9/2009	
DUP-40	$\boxed{0.170}$	11/5/09	62754	ES-A01-102109			
DUP-44	$\boxed{0.150}$	1/19/10	64128	WS-M04-091218	$\boxed{0.130}$	1/5/2010	
DUP-45	$\boxed{0.110}$	1/19/10	64128	ES-J05-091124	$\boxed{0.100}$	12/15/2009	
DUP-46	$\boxed{0.110}$	1/19/10	64206	ES-R08-091021	$\boxed{0.096}$	11/5/2009	
DUP-47	$\boxed{0.100}$	1/27/10	64333	ES-K02-091103	$\boxed{0.100}$	11/25/2009	
DUP-48	$\boxed{0.092}$	3/5/10	65036	WS-M03-091217	$\boxed{0.078}$	1/5/2010	

Table Ag-4: Silver NPS and EQIS Duplicates (continued)

[ ] Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	86.2
Median	50.0
Standard Deviation	71.6
Sample Variance	5127.1
Kurtosis	-2.2
Skewness	0.1
Range	164.7
Minimum	4.1
Maximum	168.8
Sum	1120.3
Count	13.0
Largest(2)	163.6
Smallest(2)	8.5

Table Ag-5: Silver EQIS CRMs						
Results of Duplicate Analysis of EQIS CRMs						
Sample	Result	Date	Batch	Detect	Average	RPD
ES-Z11-080605A	29.4	5/1/09	57147	Y		
ES-Z11-080605B	29.6	5/1/09	57147	Y	29.5	1
ES-Z09-080529A	27.6	5/1/09	57284	Y		
ES-Z09-080529B	27.3	5/1/09	57284	Y	27.5	1
ES-Z12-080606A	27.3	5/1/09	57284	Y		
ES-Z12-080606B	27.3	5/1/09	57284	Y	27.3	0
ES-Z05-080519A	29.9	5/11/09	57543	Y		
ES-Z05-080519B	29.7	5/11/09	57543	Y	29.8	1
ES-Z06-080520A	30.2	5/11/09	57543	Y		
ES-Z06-080520B	29.4	5/11/09	57543	Y	29.8	3
ES-Z07-080522A	28.2	5/24/09	57792	Y		
ES-Z07-080522B	27.8	5/24/09	57792	Y	28.0	1
ES-Z13-080610A	21.5	5/28/09	57847	Y		
ES-Z13-080610B	25.4	5/28/09	57847	Y	23.5	17
ES-Z10-080602A	29	6/9/09	58135	Y		
ES-Z10-080602B	29.5	6/9/09	58135	Y	29.3	2
ES-Z08-080527A	30	6/10/09	58212	Y		
ES-Z08-080527B	30.4	6/10/09	58212	Y	30.2	1
ES-Z14-080611A	32.4	6/20/09	58565	Y		
ES-Z14-080611B	31.9	6/20/09	58565	Y	32.2	2
ES-Z06-080520C	28.3	7/7/09	58728	Y		
ES-Z06-080520D	29.4	7/7/09	58728	Y	28.9	4
ES-Z05-080519C	29.7	7/8/09	59163	Y		
ES-Z05-080519D	28.3	7/8/09	59163	Y	29.0	5
ES-Z19-080624A	28.5	7/13/09	59381	Y		
ES-Z19-080624B	28.3	7/13/09	59381	Y	28.4	1
WS-Z17-080618A	28.4	7/13/09	59381	Y		
WS-Z17-080618B	28.3	7/13/09	59381	Y	28.4	0
WS-Z15-080613A	27.9	7/20/09	59621	Y		
WS-Z15-080613B	28.3	7/20/09	59621	Y	28.1	1
WS-Z18-080620A	27.7	7/20/09	59621	Y		
WS-Z18-080620B	28.5	7/20/09	59621	Y	28.1	3
WS-Z16-080617A	29.5	7/29/09	59889	Y		
WS-Z16-080617B	29.7	7/29/09	59889	Y	29.6	1
ES-Z22-091021A	0.17	11/5/09	62754	N		
ES-Z22-091021B	0.16	11/5/09	62754	N	0.2	6
ES-Z23-091022A	33	11/5/09	62754	Y		
ES-Z23-091022B	32.8	11/5/09	62754	Y	32.9	1
ES-Z24-091103A	29.4	11/25/09	63215	Y		
ES-Z24-091103B	29.8	11/25/09	63215	Y	29.6	1
ES-Z25-091104A	30.1	11/25/09	63215	Y		
ES-Z25-091104B	31.1	11/25/09	63215	Y	30.6	3
ES-Z26-091105A	26.3	12/8/09	63405	Y		
ES-Z26-091105B	26.6	12/8/09	63405	Y	26.5	1
ES-Z27-091106A	25.7	12/8/09	63405	Y		
ES-Z27-091106B	26.2	12/8/09	63405	Y	26.0	2
WS-Z29-091217A	27.6	1/5/10	63970	Y		
WS-Z29-091217B	28.8	1/5/10	63970	Y	28.2	4
WS-Z30-091230A	29.4	1/19/10	64128	Y		
WS-Z30-091230B	28.8	1/19/10	64128	Y	29.1	2
WS-Z31-100107A	29.5	1/19/10	64206	Y		
WS-Z31-100107B	28.6	1/19/10	64206	Y	29.1	3

Table Ag-5: Silver EQIS CRMs (continued)

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z32-100113A	31.2	1/27/10	64333	Y		
WS-Z32-100113B	31.2	1/27/10	64333	Y	31.2	0
ES-Z33-100225A	31.5	3/5/10	65036	Y		
ES-Z33-100225B	32.1	3/5/10	65036	Y	31.8	2

Analysis of EQIS CRMs	
Mean	28
Median	29
Standard Deviation	6
Sample Variance	33
Kurtosis	19
Skewness	-4
Range	33
Minimum	0
Maximum	33
Sum	1565
Count	56
Largest(2)	33
Smallest(2)	0

RPD of EQIS CRMs	
Mean	2
Median	1
Standard Deviation	3
Sample Variance	10
Kurtosis	16
Skewness	4
Range	17
Minimum	0
Maximum	17
Sum	68
Count	28
Largest(2)	6
Smallest(2)	0

Table Ag-6: Silver Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
96	7160081	4	98	7160081	4
3	49187	7	105	49187	7
22	49189	8	104	49189	8
109	49537	28	108	49537	28
108	49539	30	111	49539	30
97	54626-627	68	88	54626-627	68
85	54821-822	71	85	54821-822	71
100	54891-892	77	89	54891-892	77
95	54915-916	78	87	54915-916	78
88	57147	109	87	57147	109
102	57223	112	87	57223	112
94	57543	127	97	57543	127
80	57792	136	86	57792	136
79	57847	137	81	57847	137
76	58135	149	84	58135	149
122	58212	150	116	58212	150
100	58565	162	101	58565	162
85	58728	166	89	58728	166
80	59163	172	85	59163	172
86	59381	186	87	59381	186
88	59621	190	83	59621	190
87	59757	199	87	59757	199
94	59889	204	87	59889	204
99	60088	213	97	60088	213
101	60439	224	96	60439	224
88	61414	244	86	61414	244
90	61790	250	89	61790	250
103	62499	259	105	62499	259
99	62754	265	103	62754	265
90	63215	281	88	63215	281
81	63405	291	82	63405	291
77	63529	294	82	63970	301
80	63970	301	88	64128	313
84	64128	313	85	64206	314
85	64206	314	83	64333	330
85	64333	330	91	64435	339
96	64435	339	95	65036	349
91	65036	349	87	70142	367
82	70142	367			

Average MS Recovery = 87 % Average LCS Recovery = 92 %
Minimum MS Recovery = 3 % Minimum LCS Recovery = 81 %

Table Ag-6: Silver Laboratory MS and LCS (Graph)

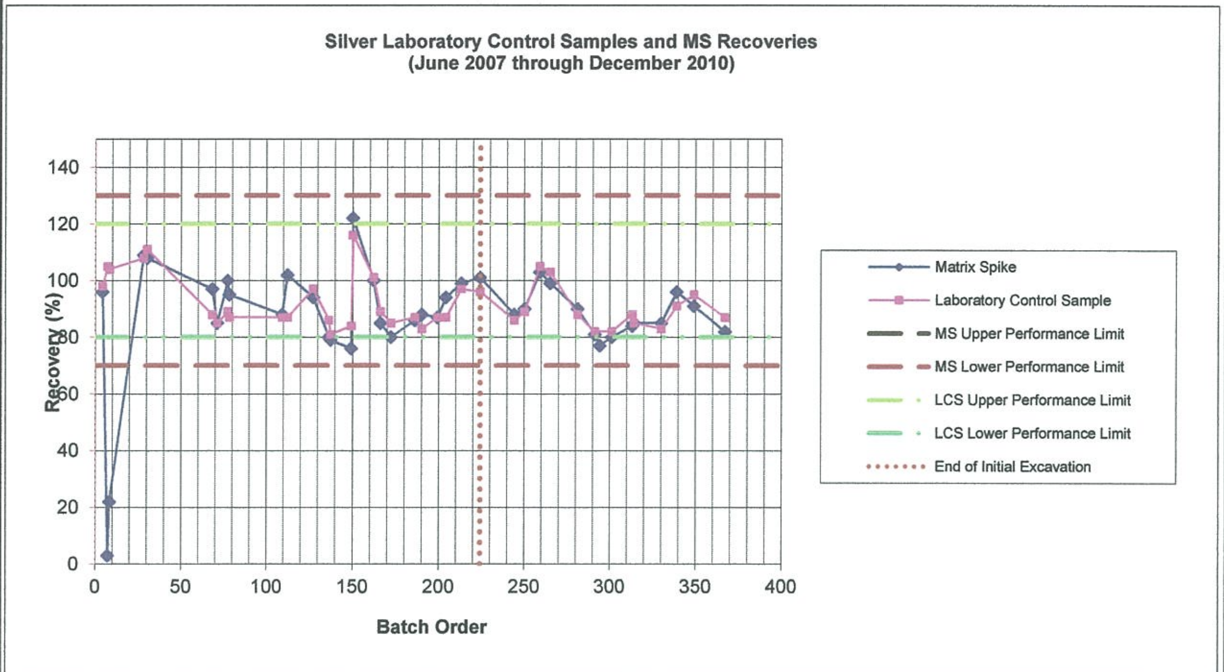
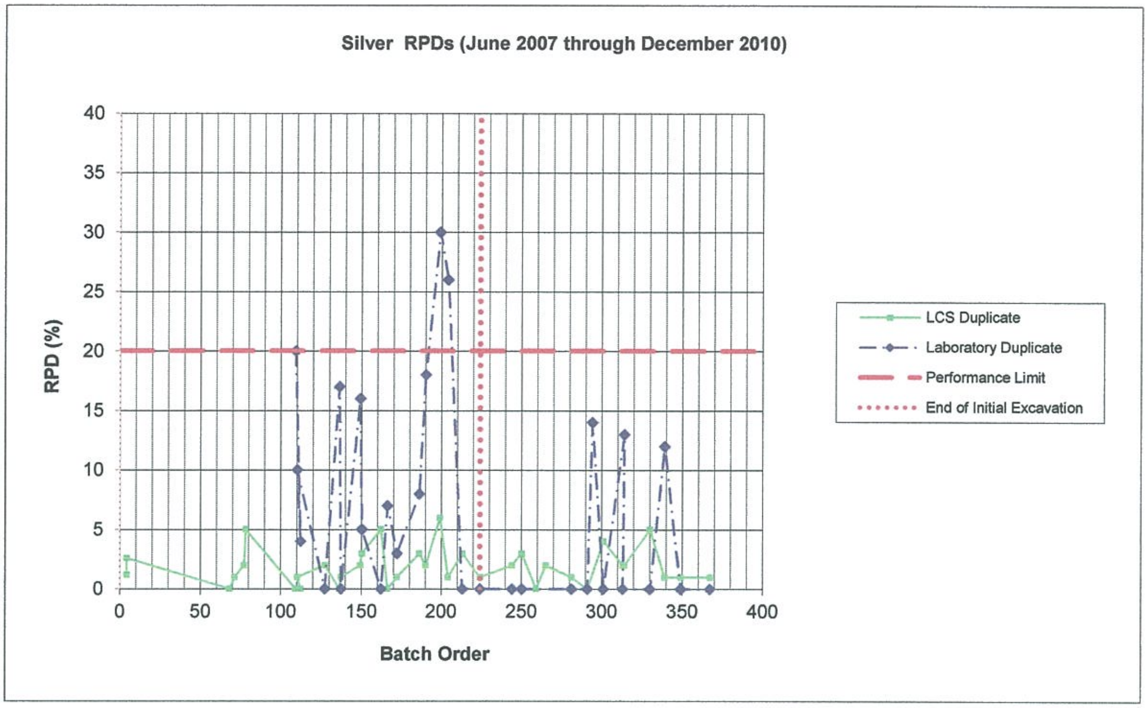


Table Ag-7: Silver - Laboratory Duplicates and LCS Duplicates

Laboratory Duplicate RPD	Batch	Order	LCS Duplicate RPD	Batch	Order
20	57147	109	1.2	7160081	4
4	57223	112	2.6	7160081	4
10	57284	110	0	54626-627	68
0	57543	127	1	54821-822	71
17	57792	136	2	54891-892	77
0	57847	137	5	54915-916	78
16	58135	149	0	57147	109
5	58212	150	0	57223	112
0	58565	162	1	57284	110
7	58728	166	2	57543	127
3	59163	172	0	57792	136
8	59381	186	1	57847	137
18	59621	190	2	58135	149
30	59757	199	3	58212	150
26	59889	204	5	58565	162
0	60088	213	0	58728	166
0	60439	224	1	59163	172
0	61414	244	3	59381	186
0	61790	250	2	59621	190
0	63215	281	6	59757	199
0	63405	291	1	59889	204
14	63529	294	3	60088	213
0	63970	301	1	60439	224
13	64206	314	2	61414	244
0	64128	313	3	61790	250
0	64333	330	0	62499	259
12	64435	339	2	62754	265
0	65036	349	1	63215	281
0	70142	367	0	63405	291
			4	63970	301
			2	64128	313
			2	64206	314
			5	64333	330
			1	64435	339
			1	65036	349
			1	70142	367
Average Duplicate RPD = 7 %			Average LCS RPD = 2 %		
Maximum Duplicate RPD = 30 %			Maximum LCS RPD = 6 %		

Table Ag-7: Silver - Laboratory Duplicates and LCS Duplicates (Graph)



SILVER results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis _date	batch_id	detect _flag	sample_name
East Site	A1	ES-A01-090910	SILVER	0.14	09/28/09	61414	N	ES-A01-090910
East Site	A1	ES-A01-102109	SILVER	0.17	11/05/09	62754	N	DUP-40
East Site	B1	ES-B01-080623	SILVER	0.17	05/01/09	57147	N	ES-B01-080623
East Site	C1	ES-C01-080624	SILVER	0.14	05/01/09	57147	N	ES-C01-080624
East Site	C1	ES-C01-090910	SILVER	0.091	10/28/09	62499	N	DUP-39
East Site	C1	ES-C01-090910	SILVER	0.11	11/09/09	61414	N	ES-C01-090910
East Site	D1	ES-D01-080624	SILVER	0.19	06/09/09	58135	N	ES-D01-080624
East Site	E1	ES-E01-090910	SILVER	0.17	09/28/09	61414	N	ES-E01-090910
East Site	E2	ES-E02-090910	SILVER	0.13	09/28/09	61414	N	ES-E02-090910
East Site	F1	ES-F01-080529	SILVER	0.79	05/01/09	57284	Y	DUP-17
East Site	F1	ES-F01-080529	SILVER	0.96	05/11/09	57543	Y	ES-F01-080529
East Site	G1	ES-G01-080529	SILVER	0.98	05/11/09	57543	Y	ES-G01-080529
East Site	G2	ES-G02-080605	SILVER	0.94	05/11/09	57543	Y	ES-G02-080605
East Site	H1	ES-H01-080528	SILVER	1	05/11/09	57543	Y	ES-H01-080528
East Site	H1	ES-H01-091105	SILVER	0.095	12/08/09	63405	N	ES-H01-091105
East Site	H2	ES-H02-080515	SILVER	1.1	05/11/09	57543	Y	ES-H02-080515
East Site	H3	ES-H03-080605	SILVER	0.12	05/24/09	57792	N	ES-H03-080605
East Site	I1	ES-I01-080529	SILVER	0.12	05/24/09	57792	N	ES-I01-080529
East Site	I1	ES-I01-091105	SILVER	0.11	12/08/09	63405	N	ES-I01-091105
East Site	I2	ES-I02-080514	SILVER	0.13	05/24/09	57792	N	ES-I02-080514
East Site	I3	ES-I03-080513	SILVER	0.11	05/24/09	57792	N	ES-I03-080513
East Site	I4	ES-I04-080602	SILVER	0.13	05/24/09	57792	N	ES-I04-080602
East Site	I4	ES-I04-091106	SILVER	0.18	12/08/09	63405	N	ES-I04-091106
East Site	J1	ES-J01-080529	SILVER	0.11	05/24/09	57792	N	ES-J01-080529
East Site	J2	ES-J02-080527	SILVER	1.1	05/11/09	57543	Y	DUP-15
East Site	J2	ES-J02-080527	SILVER	0.093	05/24/09	57792	N	ES-J02-080527
East Site	J2	ES-J02-091105	SILVER	0.089	12/08/09	63405	N	ES-J02-091105
East Site	J3	ES-J03-080513	SILVER	0.88	05/01/09	57147	Y	DUP-11
East Site	J3	ES-J03-080513	SILVER	0.11	06/20/09	58565	N	ES-J03-080513
East Site	J3	ES-J03-091103	SILVER	0.083	11/25/09	63215	N	ES-J03-091103
East Site	J4	ES-J04-080530	SILVER	1.1	05/11/09	57543	Y	DUP-18
East Site	J4	ES-J04-080530	SILVER	0.12	05/24/09	57792	N	ES-J04-080530
East Site	J4	ES-J04-091103	SILVER	0.11	11/25/09	63215	N	ES-J04-091103
East Site	J5	ES-J05-080602	SILVER	0.13	05/24/09	57792	N	ES-J05-080602
East Site	J5	ES-J05-091124	SILVER	0.1	12/15/09	63529	N	ES-J05-091124
East Site	J5	ES-J05-091124	SILVER	0.11	01/19/10	64128	N	DUP-45
East Site	J5	ES-J05-100112	SILVER	0.12	01/27/10	64333	N	ES-J05-100112
East Site	K1	ES-K01-080602	SILVER	0.12	05/24/09	57792	N	ES-K01-080602
East Site	K2	ES-K02-080602	SILVER	1.2	05/11/09	57543	Y	ES-K02-080602
East Site	K2	ES-K02-091103	SILVER	0.1	11/25/09	63215	N	ES-K02-091103
East Site	K2	ES-K02-091103	SILVER	0.1	01/27/10	64333	N	DUP-47
East Site	K3	ES-K03-080514	SILVER	0.13	05/24/09	57792	N	ES-K03-080514
East Site	K3	ES-K03-091103	SILVER	0.11	11/25/09	63215	N	ES-K03-091103
East Site	K4	ES-K04-080527	SILVER	0.1	05/28/09	57847	N	ES-K04-080527
East Site	K5	ES-K05-080605	SILVER	0.11	05/28/09	57847	N	ES-K05-080605
East Site	K5	ES-K05-080605	SILVER	0.14	05/28/09	57847	N	DUP-19
East Site	K7	ES-K07-080611	SILVER	1	05/01/09	57284	Y	ES-K07-080611

SILVER results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	K7	ES-K07-090924	SILVER	0.15	10/05/09	61790	N	ES-K07-090924
East Site	K7	ES-K07-091123	SILVER	0.1	12/14/09	63529	N	ES-K07-091123
East Site	L1	ES-L01-080625	SILVER	0.12	05/28/09	57847	N	ES-L01-080625
East Site	L2	ES-L02-080625	SILVER	0.14	05/28/09	57847	N	ES-L02-080625
East Site	L3	ES-L03-080604	SILVER	0.11	05/28/09	57847	N	ES-L03-080604
East Site	L3	ES-L03-091104	SILVER	0.11	11/25/09	63215	N	ES-L03-091104
East Site	L4	ES-L04-080604	SILVER	0.16	06/20/09	58565	N	ES-L04-080604
East Site	L4	ES-L04-091104	SILVER	0.097	11/25/09	63215	N	ES-L04-091104
East Site	L5	ES-L05-091104	SILVER	0.093	11/25/09	63215	N	ES-L05-091104
East Site	L6	ES-L06-091104	SILVER	0.087	11/25/09	63215	N	ES-L06-091104
East Site	M1	ES-M01-080527	SILVER	0.12	05/28/09	57847	N	ES-M01-080527
East Site	M2	ES-M02-080519	SILVER	0.14	05/28/09	57847	N	ES-M02-080519
East Site	M3	ES-M03-091022	SILVER	0.1	11/05/09	62754	N	ES-M03-091022
East Site	M3	ES-M03-091228	SILVER	0.11	01/19/10	64128	N	ES-M03-091228
East Site	M4	ES-M04-080515	SILVER	0.14	05/28/09	57847	N	ES-M04-080515
East Site	M5	ES-M05-080527	SILVER	0.096	05/28/09	57847	N	ES-M05-080527
East Site	M6	ES-M06-080520	SILVER	0.1	05/28/09	57847	N	ES-M06-080520
East Site	M6	ES-M06-091105	SILVER	0.085	12/08/09	63405	N	ES-M06-091105
East Site	M7	ES-M07-091105	SILVER	0.18	12/08/09	63405	N	ES-M07-091105
East Site	M8	ES-M08-080610	SILVER	1	05/01/09	57284	Y	ES-M08-080610
East Site	M8	ES-M08-090924	SILVER	0.11	10/05/09	61790	N	ES-M08-090924
East Site	M8	ES-M08-091123	SILVER	0.11	12/15/09	63529	N	ES-M08-091123
East Site	M9	ES-M09-080611	SILVER	0.82	05/01/09	57284	Y	ES-M09-080611
East Site	N2	ES-N02-080528	SILVER	0.15	05/28/09	57847	N	ES-N02-080528
East Site	N3	ES-N03-080520	SILVER	0.13	05/28/09	57847	N	ES-N03-080520
East Site	N4	ES-N04-080519	SILVER	0.13	05/28/09	57847	N	ES-N04-080519
East Site	N5	ES-N05-080519	SILVER	0.13	05/28/09	57847	N	ES-N05-080519
East Site	N5	ES-N05-091105	SILVER	0.084	12/08/09	63405	N	ES-N05-091105
East Site	N6	ES-N06-080527	SILVER	0.14	06/09/09	58135	N	ES-N06-080527
East Site	N7	ES-N07-080530	SILVER	0.11	06/09/09	58135	N	ES-N07-080530
East Site	N7	ES-N07-100225	SILVER	0.12	03/05/10	65036	N	ES-N07-100225
East Site	N8	ES-N08-080610	SILVER	1.1	05/01/09	57284	Y	ES-N08-080610
East Site	N8	ES-N08-090924	SILVER	0.14	10/05/09	61790	N	ES-N08-090924
East Site	N8	ES-N08-091124	SILVER	0.14	12/15/09	63529	N	ES-N08-091124
East Site	N9	ES-N09-080610	SILVER	1.1	05/04/09	57284	Y	ES-N09-080610
East Site	N9	ES-N09-090924	SILVER	0.11	10/05/09	61790	N	ES-N09-090924
East Site	N10	ES-N10-080610	SILVER	1	05/01/09	57284	Y	ES-N10-080610
East Site	O3	ES-O03-080528	SILVER	0.12	06/09/09	58135	N	ES-O03-080528
East Site	O4	ES-O04-080515	SILVER	0.13	06/09/09	58135	N	ES-O04-080515
East Site	O5	ES-O05-080520	SILVER	0.089	06/09/09	58135	N	ES-O05-080520
East Site	O6	ES-O06-080529	SILVER	0.11	06/09/09	58135	N	ES-O06-080529
East Site	O6	ES-O06-091105	SILVER	0.094	12/08/09	63405	N	ES-O06-091105
East Site	O7	ES-O07-100225	SILVER	0.078	03/05/10	65036	N	ES-O07-100225
East Site	O8	ES-O08-080530	SILVER	0.1	07/27/09	59757	N	ES-O08-080530
East Site	O8	ES-O08-100225	SILVER	0.1	03/05/10	65036	N	ES-O08-100225
East Site	O9	ES-O09-091014	SILVER	0.11	10/28/09	62499	N	ES-O09-091014
East Site	O9	ES-O09-092309	SILVER	0.12	10/05/09	61790	N	ES-O09-092309

SILVER results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	O10	ES-O10-091014	SILVER	0.092	10/28/09	62499	N	ES-O10-091014
East Site	O10	ES-O10-091123	SILVER	0.081	12/14/09	63529	N	ES-O10-091123
East Site	O10	ES-O10-092309	SILVER	0.13	10/05/09	61790	N	ES-O10-092309
East Site	P4	ES-P04-080528	SILVER	0.1	05/24/09	57792	N	DUP-16
East Site	P4	ES-P04-080528	SILVER	0.12	06/09/09	58135	N	ES-P04-080528
East Site	P5	ES-P05-080513	SILVER	0.14	06/09/09	58135	N	ES-P05-080513
East Site	P6	ES-P06-080515	SILVER	0.12	05/24/09	57792	N	DUP-12
East Site	P6	ES-P06-080515	SILVER	0.13	06/09/09	58135	N	ES-P06-080515
East Site	P7	ES-P07-080519	SILVER	0.18	05/28/09	57847	N	ES-P07-080519
East Site	P7	ES-P07-091022	SILVER	0.095	11/05/09	62754	N	ES-P07-091022
East Site	P8	ES-P08-080530	SILVER	0.11	06/09/09	58135	N	ES-P08-080530
East Site	P10	ES-P10-080606	SILVER	0.95	05/01/09	57284	Y	ES-P10-080606
East Site	P10	ES-P10-091014	SILVER	0.084	10/28/09	62499	N	ES-P10-091014
East Site	P10	ES-P10-092309	SILVER	0.097	10/05/09	61790	N	ES-P10-092309
East Site	P11	ES-P11-080606	SILVER	0.99	05/01/09	57284	Y	ES-P11-080606
East Site	P11	ES-P11-092309	SILVER	0.13	10/05/09	61790	N	ES-P11-092309
East Site	Q5	ES-Q05-080520	SILVER	0.13	06/09/09	58135	N	ES-Q05-080520
East Site	Q5	ES-Q05-091105	SILVER	0.095	12/08/09	63405	N	ES-Q05-091105
East Site	Q6	ES-Q06-091021	SILVER	0.11	11/05/09	62754	N	ES-Q06-091021
East Site	Q7	ES-Q07-091021	SILVER	0.1	11/05/09	62754	N	ES-Q07-091021
East Site	Q7	ES-Q07-091228	SILVER	0.097	01/19/10	64128	N	ES-Q07-091228
East Site	Q8	ES-Q08-091021	SILVER	0.11	11/05/09	62754	N	ES-Q08-091021
East Site	Q8	ES-Q08-091228	SILVER	0.098	01/19/10	64128	N	ES-Q08-091228
East Site	Q9	ES-Q09-080612	SILVER	0.11	06/09/09	58135	N	ES-Q09-080612
East Site	Q10	ES-Q10-080606	SILVER	1.1	05/11/09	57543	Y	ES-Q10-080606
East Site	Q10	ES-Q10-091123	SILVER	0.15	12/14/09	63529	N	ES-Q10-091123
East Site	Q10	ES-Q10-092309	SILVER	0.12	10/05/09	61790	N	ES-Q10-092309
East Site	Q11	ES-Q11-080606	SILVER	1.1	05/11/09	57543	Y	ES-Q11-080606
East Site	Q17	ES-Q17-080609	SILVER	0.15	05/01/09	57147	N	ES-Q17-080609
East Site	R5	ES-R05-080521	SILVER	0.11	06/09/09	58135	N	ES-R05-080521
East Site	R5	ES-R05-091105	SILVER	0.11	12/08/09	63405	N	ES-R05-091105
East Site	R6	ES-R06-080521	SILVER	0.12	06/20/09	58565	N	ES-R06-080521
East Site	R7	ES-R07-080521	SILVER	0.11	06/10/09	58212	N	ES-R07-080521
East Site	R8	ES-R08-091021	SILVER	0.096	11/05/09	62754	N	ES-R08-091021
East Site	R8	ES-R08-091021	SILVER	0.11	01/19/10	64206	N	DUP-46
East Site	R9	ES-R09-080520	SILVER	0.13	06/10/09	58212	N	ES-R09-080520
East Site	R10	ES-R10-080602	SILVER	0.14	06/10/09	58212	N	ES-R10-080602
East Site	R11	ES-R11-080605	SILVER	1	05/11/09	57543	Y	ES-R11-080605
East Site	R11	ES-R11-090910	SILVER	0.1	10/28/09	62499	N	DUP-38
East Site	R11	ES-R11-090910	SILVER	0.11	11/09/09	61414	N	ES-R11-090910
East Site	R12	ES-R12-080611	SILVER	1.1	05/11/09	57543	Y	ES-R12-080611
East Site	R16	ES-R16-080605	SILVER	0.14	05/01/09	57147	N	ES-R16-080605
East Site	R17	ES-R17-080606	SILVER	0.12	05/01/09	57147	N	ES-R17-080606
East Site	S5	ES-S05-080521	SILVER	0.15	06/10/09	58212	N	ES-S05-080521
East Site	S6	ES-S06-080521	SILVER	0.13	06/10/09	58212	N	ES-S06-080521
East Site	S7	ES-S07-080521	SILVER	0.12	06/10/09	58212	N	ES-S07-080521
East Site	S8	ES-S08-091015	SILVER	0.1	10/28/09	62499	N	ES-S08-091015

SILVER results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis _date	batch_id	detect _flag	sample_name
East Site	S9	ES-S09-080522	SILVER	0.14	06/10/09	58212	N	ES-S09-080522
East Site	S10	ES-S10-080523	SILVER	0.16	06/10/09	58212	N	ES-S10-080523
East Site	S11	ES-S11-080528	SILVER	0.17	06/10/09	58212	N	ES-S11-080528
East Site	S12	ES-S12-080609	SILVER	0.18	05/01/09	57147	N	ES-S12-080609
East Site	S13	ES-S13-080610	SILVER	0.14	05/01/09	57147	N	ES-S13-080610
East Site	S17	ES-S17-090910	SILVER	0.14	09/28/09	61414	N	ES-S17-090910
East Site	S17	ES-S17-090910	SILVER	0.13	10/05/09	61790	N	DUP-37
East Site	S18	ES-S18-080606	SILVER	0.15	05/01/09	57147	N	ES-S18-080606
East Site	T7	ES-T07-080612	SILVER	0.13	06/10/09	58212	N	ES-T07-080612
East Site	T8	ES-T08-080522	SILVER	0.11	06/09/09	58135	N	DUP-13
East Site	T8	ES-T08-080522	SILVER	0.13	06/10/09	58212	N	ES-T08-080522
East Site	T9	ES-T09-080522	SILVER	0.13	06/10/09	58212	N	ES-T09-080522
East Site	T10	ES-T10-080523	SILVER	0.13	06/10/09	58212	N	ES-T10-080523
East Site	T10	ES-T10-080523	SILVER	0.14	06/10/09	58212	N	DUP-14
East Site	T10	ES-T10-091015	SILVER	0.17	10/28/09	62499	N	ES-T10-091015
East Site	T11	ES-T11-080530	SILVER	0.12	06/10/09	58212	N	ES-T11-080530
East Site	T12	ES-T12-080609	SILVER	1	05/01/09	57147	Y	ES-T12-080609
East Site	T13	ES-T13-080609	SILVER	0.98	05/01/09	57147	Y	ES-T13-080609
East Site	T14	ES-T14-080610	SILVER	0.82	05/01/09	57147	Y	ES-T14-080610
East Site	U10	ES-U10-080523	SILVER	0.12	06/10/09	58212	N	ES-U10-080523
East Site	U11	ES-U11-080602	SILVER	0.14	06/20/09	58565	N	ES-U11-080602
East Site	U13	ES-U13-080610	SILVER	0.75	05/01/09	57284	Y	ES-U13-080610
East Site	U14	ES-U14-080610	SILVER	0.77	05/01/09	57284	Y	ES-U14-080610
East Site	V11	ES-V11-080529	SILVER	0.12	06/20/09	58565	N	ES-V11-080529
East Site	V14	ES-V14-080605	SILVER	0.66	05/01/09	57284	Y	ES-V14-080605
East Site	W12	ES-W12-080527	SILVER	0.12	06/20/09	58565	N	ES-W12-080527
West Site	A4	WS-A04-080626	SILVER	0.17	07/13/09	59381	N	WS-A04-080626
West Site	B2	WS-B02-100120	SILVER	0.16	02/04/10	64435	Y	WS-B02-100120
West Site	B3	WS-B03-080502	SILVER	0.11	07/13/09	59381	N	WS-B03-080502
West Site	B4	WS-B04-080626	SILVER	0.14	07/13/09	59381	N	WS-B04-080626
West Site	B5	WS-B05-080626	SILVER	0.11	07/27/09	59757	N	WS-B05-080626
West Site	C1	WS-C01-080501	SILVER	0.15	06/20/09	58565	N	DUP-3
West Site	C1	WS-C01-080501	SILVER	0.12	06/20/09	58565	N	WS-C01-080501
West Site	C2	WS-C02-080428	SILVER	0.18	07/20/09	59621	Y	WS-C02-080428
West Site	C2	WS-C02-100120	SILVER	0.096	02/04/10	64435	Y	WS-C02-100120
West Site	C3	WS-C03-080620	SILVER	0.12	07/20/09	59621	N	WS-C03-080620
West Site	C4	WS-C04-080623	SILVER	0.13	07/20/09	59621	N	WS-C04-080623
West Site	C5	WS-C05-080620	SILVER	0.12	07/27/09	59757	N	WS-C05-080620
West Site	C5	WS-C05-100112	SILVER	0.086	01/27/10	64333	N	WS-C05-100112
West Site	C6	WS-C06-080624	SILVER	0.15	07/27/09	59757	N	WS-C06-080624
West Site	C6	WS-C06-091013	SILVER	0.091	10/28/09	62499	N	WS-C06-091013
West Site	D1	WS-D01-080430	SILVER	0.14	06/20/09	58565	N	WS-D01-080430
West Site	D2	WS-D02-080429	SILVER	0.14	07/13/09	59381	N	DUP-2
West Site	D2	WS-D02-080429	SILVER	0.14	07/20/09	59621	N	WS-D02-080429
West Site	D3	WS-D03-080620	SILVER	0.18	07/20/09	59621	N	WS-D03-080620
West Site	D4	WS-D04-080623	SILVER	0.12	08/18/09	60439	N	WS-D04-080623

SILVER results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis _date	batch_id	detect _flag	sample_name
West Site	D4	WS-D04-091230	SILVER	0.076	01/19/10	64128	N	WS-D04-091230
West Site	D5	WS-D05-080620	SILVER	0.12	07/27/09	59757	N	WS-D05-080620
West Site	D5	WS-D05-100111	SILVER	0.09	01/27/10	64333	N	WS-D05-100111
West Site	D6	WS-D06-080619	SILVER	0.13	07/27/09	59757	N	WS-D06-080619
West Site	D6	WS-D06-091013	SILVER	0.11	10/28/09	62499	N	WS-D06-091013
West Site	D7	WS-D07-080619	SILVER	0.11	07/27/09	59757	N	WS-D07-080619
West Site	D7	WS-D07-091013	SILVER	0.095	10/28/09	62499	N	WS-D07-091013
West Site	E1	WS-E01-080430	SILVER	0.15	06/20/09	58565	N	WS-E01-080430
West Site	E2	WS-E02-080428	SILVER	0.14	07/13/09	59381	N	DUP-1
West Site	E2	WS-E02-080428	SILVER	0.14	07/20/09	59621	N	WS-E02-080428
West Site	E2	WS-E02-100115	SILVER	0.11	02/04/10	64435	N	WS-E02-100115
West Site	E3	WS-E03-080619	SILVER	0.13	07/20/09	59621	N	WS-E03-080619
West Site	E4	WS-E04-080613	SILVER	0.12	07/27/09	59757	N	WS-E04-080613
West Site	E4	WS-E04-091230	SILVER	0.11	01/19/10	64128	N	WS-E04-091230
West Site	E5	WS-E05-080613	SILVER	0.17	07/27/09	59757	N	WS-E05-080613
West Site	E5	WS-E05-100111	SILVER	0.09	01/27/10	64333	N	WS-E05-100111
West Site	E6	WS-E06-080613	SILVER	0.17	07/27/09	59757	N	WS-E06-080613
West Site	E6	WS-E06-091228	SILVER	0.11	01/19/10	64128	N	WS-E06-091228
West Site	E7	WS-E07-080613	SILVER	0.12	07/27/09	59757	N	WS-E07-080613
West Site	E7	WS-E07-091228	SILVER	0.087	01/19/10	64128	N	WS-E07-091228
West Site	E8	WS-E08-091228	SILVER	0.098	01/19/10	64128	N	WS-E08-091228
West Site	F1	WS-F01-080429	SILVER	0.14	06/20/09	58565	N	WS-F01-080429
West Site	F1	WS-F01-100115	SILVER	0.13	02/04/10	64435	N	WS-F01-100115
West Site	F2	WS-F02-080429	SILVER	0.24	07/20/09	59621	Y	WS-F02-080429
West Site	F2	WS-F02-100115	SILVER	0.099	02/04/10	64435	N	WS-F02-100115
West Site	F3	WS-F03-080619	SILVER	0.51	07/20/09	59621	Y	WS-F03-080619
West Site	F3	WS-F03-100115	SILVER	0.098	02/04/10	64435	Y	WS-F03-100115
West Site	F4	WS-F04-080616	SILVER	0.34	07/29/09	59889	Y	WS-F04-080616
West Site	F4	WS-F04-091230	SILVER	0.089	01/19/10	64128	N	WS-F04-091230
West Site	F5	WS-F05-080612	SILVER	0.18	08/18/09	60439	Y	WS-F05-080612
West Site	F5	WS-F05-100111	SILVER	0.097	01/27/10	64333	N	WS-F05-100111
West Site	F6	WS-F06-080612	SILVER	0.18	07/29/09	59889	N	WS-F06-080612
West Site	F6	WS-F06-091228	SILVER	0.11	01/19/10	64128	N	WS-F06-091228
West Site	F7	WS-F07-080617	SILVER	0.15	07/07/09	58728	N	WS-F07-080617
West Site	F8	WS-F08-080618	SILVER	0.13	07/07/09	58728	Y	WS-F08-080618
West Site	G1	WS-G01-080501	SILVER	0.13	06/20/09	58565	N	DUP-4
West Site	G1	WS-G01-080501	SILVER	0.13	07/07/09	58728	N	WS-G01-080501
West Site	G1	WS-G01-100113	SILVER	0.097	01/27/10	64333	N	WS-G01-100113
West Site	G1	WS-G01-100223	SILVER	0.078	03/05/10	65036	N	WS-G01-100223
West Site	G2	WS-G02-080618	SILVER	0.23	07/20/09	59621	Y	WS-G02-080618
West Site	G2	WS-G02-100113	SILVER	0.095	01/27/10	64333	N	WS-G02-100113
West Site	G3	WS-G03-080619	SILVER	0.11	07/20/09	59621	N	WS-G03-080619
West Site	G4	WS-G04-080616	SILVER	0.13	07/29/09	59889	N	WS-G04-080616
West Site	G5	WS-G05-100108	SILVER	0.088	01/19/10	64206	N	WS-G05-100108

SILVER results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	G5	WS-G05-100223	SILVER	0.079	03/05/10	65036	N	WS-G05-100223
West Site	G6	WS-G06-080616	SILVER	0.12	07/29/09	59889	N	WS-G06-080616
West Site	G6	WS-G06-100107	SILVER	0.091	01/19/10	64206	N	WS-G06-100107
West Site	G7	WS-G07-080617	SILVER	0.42	07/07/09	58728	Y	WS-G07-080617
West Site	G7	WS-G07-100105	SILVER	0.1	01/19/10	64206	N	WS-G07-100105
West Site	H1	WS-H01-080501	SILVER	0.14	07/07/09	58728	N	WS-H01-080501
West Site	H2	WS-H02-080618	SILVER	0.17	07/20/09	59621	N	WS-H02-080618
West Site	H2	WS-H02-100113	SILVER	0.086	01/27/10	64333	N	WS-H02-100113
West Site	H3	WS-H03-080619	SILVER	0.095	07/29/09	59889	N	WS-H03-080619
West Site	H4	WS-H04-080616	SILVER	0.12	07/29/09	59889	N	WS-H04-080616
West Site	H5	WS-H05-100107	SILVER	0.079	01/19/10	64206	N	WS-H05-100107
West Site	H6	WS-H06-080617	SILVER	0.15	07/07/09	58728	N	WS-H06-080617
West Site	I1	WS-I01-080501	SILVER	0.24	07/07/09	58728	Y	DUP-5
West Site	I1	WS-I01-080501	SILVER	0.25	07/07/09	58728	Y	WS-I01-080501
West Site	I1	WS-I01-091013	SILVER	0.13	10/28/09	62499	N	WS-I01-091013
West Site	I2	WS-I02-080618	SILVER	0.18	07/27/09	59757	N	WS-I02-080618
West Site	I2	WS-I02-091014	SILVER	0.085	10/28/09	62499	N	WS-I02-091014
West Site	I2	WS-I02-100113	SILVER	0.089	01/27/10	64333	N	WS-I02-100113
West Site	I3	WS-I03-080618	SILVER	0.18	07/29/09	59889	N	WS-I03-080618
West Site	I3	WS-I03-091013	SILVER	0.095	10/28/09	62499	N	WS-I03-091013
West Site	I3	WS-I03-100113	SILVER	0.097	01/27/10	64333	N	WS-I03-100113
West Site	I4	WS-I04-080617	SILVER	0.14	07/29/09	59889	N	WS-I04-080617
West Site	I4	WS-I04-100106	SILVER	0.091	01/19/10	64206	N	WS-I04-100106
West Site	I5	WS-I05-080617	SILVER	0.16	07/07/09	58728	N	WS-I05-080617
West Site	I5	WS-I05-091013	SILVER	0.15	10/28/09	62499	N	WS-I05-091013
West Site	I5	WS-I05-100107	SILVER	0.073	01/19/10	64206	N	WS-I05-100107
West Site	I6	WS-I06-080617	SILVER	0.45	07/07/09	58728	Y	WS-I06-080617
West Site	I6	WS-I06-100105	SILVER	0.1	01/19/10	64206	N	WS-I06-100105
West Site	J1	WS-J01-080505	SILVER	0.33	07/07/09	58728	Y	WS-J01-080505
West Site	J1	WS-J01-080505	SILVER	0.38	07/07/09	58728	Y	DUP-6
West Site	J1	WS-J01-091013	SILVER	0.42	10/28/09	62499	Y	WS-J01-091013
West Site	J1	WS-J01-100112	SILVER	0.09	01/27/10	64333	N	WS-J01-100112
West Site	J2	WS-J02-080624	SILVER	0.16	07/07/09	58728	Y	WS-J02-080624
West Site	J2	WS-J02-100112	SILVER	0.1	01/27/10	64333	N	WS-J02-100112
West Site	J3	WS-J03-080620	SILVER	0.13	07/07/09	59163	N	WS-J03-080620
West Site	J4	WS-J04-080617	SILVER	0.39	07/08/09	59163	Y	WS-J04-080617
West Site	J4	WS-J04-100106	SILVER	0.12	01/19/10	64206	N	WS-J04-100106
West Site	J5	WS-J05-080618	SILVER	0.26	07/08/09	59163	Y	WS-J05-080618
West Site	K1	WS-K01-080505	SILVER	0.28	07/08/09	59163	Y	WS-K01-080505
West Site	K1	WS-K01-091013	SILVER	0.26	10/28/09	62499	Y	WS-K01-091013
West Site	K2	WS-K02-080509	SILVER	0.22	07/08/09	59163	Y	WS-K02-080509
West Site	K3	WS-K03-080509	SILVER	0.37	07/08/09	59163	Y	WS-K03-080509
West Site	K4	WS-K04-080513	SILVER	0.14	07/08/09	59163	N	WS-K04-080513
West Site	K4	WS-K04-080513	SILVER	0.13	07/27/09	59757	N	DUP-10

SILVER results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis _date	batch_id	detect _flag	sample_name
West Site	K4	WS-K04-100106	SILVER	0.09	01/19/10	64206	N	WS-K04-100106
West Site	K5	WS-K05-080509	SILVER	0.13	07/08/09	59163	N	WS-K05-080509
West Site	L1	WS-L01-080505	SILVER	0.13	07/08/09	59163	N	WS-L01-080505
West Site	L2	WS-L02-080508	SILVER	0.13	07/08/09	59163	Y	WS-L02-080508
West Site	L3	WS-L03-080508	SILVER	0.36	07/08/09	59163	Y	WS-L03-080508
West Site	L4	WS-L04-080508	SILVER	0.12	07/08/09	59163	N	WS-L04-080508
West Site	L4	WS-L04-080508	SILVER	0.14	07/08/09	59163	N	DUP-9
West Site	M1	WS-M01-080505	SILVER	0.23	07/08/09	59163	Y	DUP-7
West Site	M1	WS-M01-080505	SILVER	0.29	07/08/09	59163	Y	WS-M01-080505
West Site	M2	WS-M02-080507	SILVER	0.18	07/27/09	59757	Y	WS-M02-080507
West Site	M3	WS-M03-080507	SILVER	0.2	07/20/09	59621	Y	DUP-8
West Site	M3	WS-M03-080507	SILVER	0.32	08/05/09	60088	Y	WS-M03-080507
West Site	M3	WS-M03-091217	SILVER	0.078	01/05/10	63970	N	WS-M03-091217
West Site	M3	WS-M03-091217	SILVER	0.092	03/05/10	65036	N	DUP-48
West Site	M4	WS-M04-080507	SILVER	0.24	08/05/09	60088	Y	WS-M04-080507
West Site	M4	WS-M04-091218	SILVER	0.13	01/05/10	63970	N	WS-M04-091218
West Site	M4	WS-M04-091218	SILVER	0.15	01/19/10	64128	N	DUP-44
West Site	N1	WS-N01-080506	SILVER	0.19	08/05/09	60088	N	WS-N01-080506
West Site	N2	WS-N02-080506	SILVER	0.13	07/13/09	59381	N	WS-N02-080506
West Site	N3	WS-N03-080507	SILVER	0.14	07/07/09	58728	Y	WS-N03-080507
West Site	O1	WS-O01-080506	SILVER	0.14	07/13/09	59381	N	WS-O01-080506
West Site	O2	WS-O02-080506	SILVER	0.16	07/13/09	59381	Y	WS-O02-080506

Table V-1: Vanadium Data Quality Summary			
Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 80%	83%	
Minimum Matrix Spike Recovery	greater than 70%	67%	
Average LCS Recovery	N/A	94%	
Average Matrix Spike Recovery	N/A	86%	
Maximum LCS RPD	less than 20%	39%	
Maximum Laboratory Duplicate RPD	less than 20%	16%	
Average LCS RPD	N/A	3%	
Average Laboratory Duplicate RPD	N/A	4%	
Measurement Quality Objectives	Critera	Measured	
NPS CRM	Recovery greater than 49	Minimum Recovery =	48 mg/kg
EQIS CRM	See Note 1		
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	59 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	10 %
Overall QC Indicator Measurements	Criteria	Measured	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	71.7 %
NPS Replicate Test (Precision measure)	N/A	Standard Deviation =	5.3 mg/kg
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal	37	mg/kg	
Tier 2 Remediation Goal	44	mg/kg	
QC Derived Reliance Level	33.4	mg/kg See Note 2	

Comments: Accuracy issues are indicated by matrix spike recovery below the lower performance limit (70%) for several laboratory batches (57514, 57848, 58173, 64436); minimum BOR CRM recovery (48 mg/kg) less than the vendor provided acceptance limit (49 mg/kg); and a low average recovery from the BOR CRM (71.7%). Imprecision is indicated by maximum RPDs for CVS splits (59%) greater than the MQO of 35% and by repeated tests on the same sample having a high standard deviation (5.3 mg/kg) relative to the sample average (23.6 mg/kg). The accuracy and precision issues are reflected in a derived reliance level (33.4 mg/kg) lower than the RGs, and are likely due, in part, to nuances of the extraction process (i.e., the amount of vanadium extracted from the soil is very sensitive to digestion process variables). That being said, because the CVS vanadium results for all grids are below the QC derived reliance level the qualification of these measurements is not significant to desired use of the data; therefore, the decision regarding attainment of the vanadium RG is not compromised and the vanadium CVS measurements may be used to evaluate RG achievement.

Note 1: The QAPP required CRMs have only 4 analytes from each analyte group. Vanadium is not one of these analytes.

Note 2: Derived reliance level is calculated as:
(Tier 2 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (44)(1.2)(.717)-(0.84)(5.3) = 33.4 mg/kg

Table V-2: Vanadium - NPS CRMs

Blind NPS CRM Results

Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 56	53.3	5/3/09	57226	Y
BOR SAMPLE 6-BOR 81	53.4	5/4/09	57400	Y
BOR Sample 4-BOR 82	56.7	5/8/09	57514	Y
BOR 83	52.6	5/27/09	57790	Y
BOR Sample 3-BOR 58	50.5	5/27/09	57790	Y
BOR 84	52.1	5/27/09	57848	Y
BOR Sample 7-BOR 105	50.7	5/27/09	57848	Y
BOR 85	48.1	6/5/09	58137	Y
BOR Sample 8-BOR 106	48.6	6/5/09	58137	Y
BOR 86	52.9	6/11/09	58213	Y
BOR 108	52.5	6/19/09	58563	Y
BOR 87	49.6	6/19/09	58563	Y
BOR 109	50.7	6/30/09	58729	Y
BOR 110	70.4	7/11/09	59382	Y
BOR Sample 9-BOR 107	58.1	7/24/09	59758	Y
BOR 111	48.3	7/30/09	59890	Y

CRMs		Vendor Supplied Information
Mean	53.0	*Made to*
Median	52.3	*74 mg/kg*
Standard Deviation	5.4	
Sample Variance	29.2	*Upper Acceptance Limit*
Kurtosis	7.2	*79 mg/kg*
Skewness	2.4	
Range	22.3	*Lower Acceptance Limit*
Minimum	48.1	*49 mg/kg*
Maximum	70.4	
Sum	848.5	
Count	16.0	
Largest(2)	58.1	
Smallest(2)	48.3	

Table V-3: Vanadium - NPS Replicate Tests on a Background Sample

Results of Replicate Analyses of a Single Sample

Sample	Result	Analysis Date	Batch	Detect
BOR 112	30.7	5/3/09	57226	Y
BOR 59	21.2	5/4/09	57400	Y
BOR 60	26.6	5/8/09	57514	Y
BOR 113	20.6	5/27/09	57790	Y
BOR 61	19.6	5/27/09	57790	Y
BOR 62	20.8	6/11/09	58213	Y
BOR 63	19.7	6/19/09	58563	Y
BOR 89	16.7	6/19/09	58563	Y
BOR 115	22	6/30/09	58729	Y
BOR 64	21.5	7/8/09	59165	Y
BOR 91	22.2	7/8/09	59165	Y
BOR 116	42.2	7/11/09	59382	Y
BOR 92	29.9	7/11/09	59382	Y
BOR 65	20.8	7/22/09	59623	Y
BOR 88	20.4	7/30/09	59890	Y
BOR 800	18.8	9/24/09	61415	Y
BOR-802	20.8	10/6/09	61791	Y
BOR 804	25.4	10/29/09	62501	Y
BOR-805	27.5	11/18/09	62992	Y
BOR-807	21	11/25/09	63216	Y
BOR-808	21.2	12/7/09	63406	Y
BOR 813	25.1	1/20/10	64129	Y
BOR 815	23.6	1/20/10	64207	Y
BOR-816	30	1/26/10	64334	Y
BOR-820	21.7	3/5/10	65037	Y

Replicate analyses of Single Sample	
Mean	23.600
Median	21.500
Standard Deviation	5.331
Sample Variance	28.423
Kurtosis	5.173
Skewness	1.986
Range	25.500
Minimum	16.700
Maximum	42.200
Sum	590.000
Count	25.000
Largest(2)	30.700
Smallest(2)	18.800

Table V-4: Vanadium NPS and EQIS							
Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 503	25	5/4/09	57400	ES-T11-080530	26.1	6/11/2009	4
BOR 506	28.2	5/8/09	57514	ES-S10-080523	22.6	6/11/2009	22
BOR 504	23	5/27/09	57790	ES-M05-080527	19.1	5/27/2009	19
BOR 507	15.5	6/5/09	58137	ES-O09-080610			
BOR 508	17.4	6/19/09	58563	ES-Q11-080606	28.2	5/8/2009	47
BOR 510	25	6/30/09	58729	OU-8HR-080605	27.6	5/3/2009	10
BOR 501	21.2	7/8/09	59165	WS-L04-080508	21.5	7/8/2009	1
BOR 505	19.1	7/22/09	59623	WS-K03-080509	19.2	7/8/2009	1
BOR 502	23.4	7/24/09	59758	WS-F05-080612	22	8/17/2009	6
BOR 509	20.3	7/24/09	59758	WS-E06-080613	19.6	7/24/2009	4
BOR 500	26.5	7/30/09	59890	WS-F01-080429	23.1	6/19/2009	14
BOR-809	23	12/14/09	63531	ES-K03-091103	22.8	11/25/2009	1
BOR-810	17	12/14/09	63531	ES-P07-091022	19.4	11/18/2009	13
BOR-811	17.1	12/14/09	63531	ES-R08-091021	28.7	11/18/2009	51
BOR 814	38.2	1/20/10	64129	ES-J05-091124	20.8	12/14/2009	59
BOR-818	20.4	3/5/10	65037	WS-F05-100111	20.7	1/26/2010	1
BOR-822	23.6	3/5/10	65037	ES-Q08-091228	29.3	1/20/2010	22
DUP-11	24.3	5/3/09	57100	ES-J03-080513	19.8	6/19/2009	20
DUP-17	21.3	5/4/09	57400	ES-F01-080529	26.5	5/8/2009	22
DUP-15	17.3	5/8/09	57514	ES-J02-080527	20.9	5/27/2009	19
DUP-18	24.8	5/8/09	57514	ES-J04-080530	21.8	5/27/2009	13
DUP-12	20.2	5/27/09	57790	ES-P06-080515	17.9	6/5/2009	12
DUP-16	21.4	5/27/09	57790	ES-P04-080528	19.9	6/5/2009	7
DUP-19	21.1	5/27/09	57848	ES-K05-080605	20.7	5/27/2009	2
DUP-13	20.3	6/5/09	58137	ES-T08-080522	22.1	6/11/2009	8
DUP-14	20.9	6/11/09	58213	ES-T10-080523	21.7	6/11/2009	4
DUP-3	19.7	6/19/09	58563	WS-C01-080501	18	6/19/2009	9
DUP-4	23.8	6/19/09	58563	WS-G01-080501	27.1	6/30/2009	13
DUP-5	20.6	6/30/09	58729	WS-I01-080501	21.6	6/30/2009	5
DUP-6	19.5	6/30/09	58729	WS-J01-080505	19	6/30/2009	3
DUP-7	19.5	7/8/09	59165	WS-M01-080505	19	7/8/2009	3
DUP-9	21.5	7/8/09	59165	WS-L04-080508	21.5	7/8/2009	0
DUP-1	31.2	7/11/09	59382	WS-E02-080428	26.3	7/22/2009	17
DUP-2	27.8	7/11/09	59382	WS-D02-080429	21	7/22/2009	28
DUP-8	17.4	7/22/09	59623	WS-M03-080507	14.5	8/11/2009	18
DUP-10	20.6	7/24/09	59758	WS-K04-080513	22.8	7/8/2009	10
DUP-37	22.8	10/6/09	61791	ES-S17-090910	23.5	9/24/2009	3
DUP-38	24.6	10/29/09	62501	ES-R11-090910	19.8	9/24/2009	22
DUP-40	30.6	11/18/09	62992	ES-A01-102109			
DUP-39	23.5	12/7/09	63406	ES-C01-090910	23.4	9/24/2009	0
DUP-44	28.9	1/20/10	64129	WS-M04-091218	20.9	1/6/2010	32
DUP-45	26.9	1/20/10	64129	ES-J05-091124	20.8	12/14/2009	26
DUP-46	23.3	1/20/10	64207	ES-R08-091021	28.7	11/18/2009	21
DUP-47	21.6	1/26/10	64334	ES-K02-091103	21.1	11/25/2009	2
DUP-48	20.9	3/5/10	65037	WS-M03-091217	19.7	1/6/2010	6

Table V-4: Vanadium NPS and EQIS (continued)

RPD of Sample Splits	
Mean	13.918
Median	10.138
Standard Deviation	13.720
Sample Variance	188.243
Kurtosis	2.742
Skewness	1.596
Range	58.983
Minimum	0.000
Maximum	58.983
Sum	598.494
Count	43.000
Largest(2)	50.655
Smallest(2)	0.426

Table V-5: Vanadium EQIS CRMs						
Results of Duplicate Analysis of EQIS CRMs						
Sample	Result	Date	Batch	Detect	Average	RPD
ES-Z11-080605A	78.3	5/3/09	57100	Y		
ES-Z11-080605B	75.9	5/3/09	57100	Y	77.1	3
ES-Z09-080529A	74.4	5/4/09	57400	Y		
ES-Z09-080529B	74.5	5/4/09	57400	Y	74.5	0
ES-Z12-080606A	75.8	5/4/09	57400	Y		
ES-Z12-080606B	76.1	5/4/09	57400	Y	76.0	0
ES-Z05-080519A	69.4	5/8/09	57514	Y		
ES-Z05-080519B	71.8	5/8/09	57514	Y	70.6	3
ES-Z06-080520A	69.2	5/8/09	57514	Y		
ES-Z06-080520B	68.2	5/8/09	57514	Y	68.7	1
ES-Z07-080522A	72.4	5/27/09	57790	Y		
ES-Z07-080522B	72.2	5/27/09	57790	Y	72.3	0
ES-Z13-080610A	76	5/27/09	57848	Y		
ES-Z13-080610B	74.5	5/27/09	57848	Y	75.3	2
ES-Z10-080602A	67.9	6/5/09	58137	Y		
ES-Z10-080602B	64.7	6/5/09	58137	Y	66.3	5
ES-Z08-080527A	72.7	6/11/09	58213	Y		
ES-Z08-080527B	75.2	6/11/09	58213	Y	74.0	3
ES-Z14-080611A	77.2	6/19/09	58563	Y		
ES-Z14-080611B	74	6/19/09	58563	Y	75.6	4
ES-Z06-080520C	86.6	6/30/09	58729	Y		
ES-Z06-080520D	84.1	6/30/09	58729	Y	85.4	3
ES-Z05-080519C	81.6	7/8/09	59165	Y		
ES-Z05-080519D	80.1	7/8/09	59165	Y	80.9	2
ES-Z19-080624A	87.9	7/11/09	59382	Y		
ES-Z19-080624B	84.2	7/11/09	59382	Y	86.1	4
WS-Z17-080618A	84.8	7/11/09	59382	Y		
WS-Z17-080618B	86.1	7/11/09	59382	Y	85.5	2
WS-Z15-080613A	82.4	7/22/09	59623	Y		
WS-Z15-080613B	80.9	7/22/09	59623	Y	81.7	2
WS-Z18-080620A	80.9	7/22/09	59623	Y		
WS-Z18-080620B	84.2	7/22/09	59623	Y	82.6	4
WS-Z16-080617A	77.2	7/30/09	59890	Y		
WS-Z16-080617B	*78*	7/30/09	59890	Y	77.6	1
ES-Z22-091021A	80.4	11/18/09	62992	Y		
ES-Z22-091021B	78.9	11/18/09	62992	Y	79.7	2
ES-Z23-091022A	80.5	11/18/09	62992	Y		
ES-Z23-091022B	77.4	11/18/09	62992	Y	79.0	4
ES-Z24-091103A	89.7	11/25/09	63216	Y		
ES-Z24-091103B	84.6	11/25/09	63216	Y	87.2	6
ES-Z25-091104A	88.6	11/25/09	63216	Y		
ES-Z25-091104B	89.1	11/25/09	63216	Y	88.9	1
ES-Z26-091105A	77	12/7/09	63406	Y		
ES-Z26-091105B	75.3	12/7/09	63406	Y	76.2	2
ES-Z27-091106A	74.8	12/7/09	63406	Y		
ES-Z27-091106B	69.6	12/7/09	63406	Y	72.2	7
WS-Z29-091217A	79.4	1/6/10	63971	Y		
WS-Z29-091217B	76.1	1/6/10	63971	Y	77.8	4
WS-Z30-091230A	85.1	1/20/10	64129	Y		
WS-Z30-091230B	94	1/20/10	64129	Y	89.6	10
WS-Z31-100107A	85.1	1/20/10	64207	Y		
WS-Z31-100107B	84.8	1/20/10	64207	Y	85.0	0

Table V-5: Vanadium EQIS CRMs (continued)

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z32-100113A	83.9	1/26/10	64334	Y		
WS-Z32-100113B	85.2	1/26/10	64334	Y	84.6	2
ES-Z33-100225A	84.3	3/5/10	65037	Y		
ES-Z33-100225B	83	3/5/10	65037	Y	83.7	2

Analysis of EQIS CRMs	
Mean	79
Median	79
Standard Deviation	6
Sample Variance	40
Kurtosis	0
Skewness	0
Range	29
Minimum	65
Maximum	94
Sum	4426
Count	56
Largest(2)	90
Smallest(2)	68

RPD of EQIS CRMs	
Mean	3
Median	2
Standard Deviation	2
Sample Variance	5
Kurtosis	2
Skewness	1
Range	10
Minimum	0
Maximum	10
Sum	80
Count	28
Largest(2)	7
Smallest(2)	0

Table V-6: Vanadium Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
155	7160081	4	92	7160081	4
85	49187	7	85	49187	7
89	49189	8	98	49189	8
89	49537	28	89	49537	28
83	49539	30	86	49539	30
87	54626-627	68	95	54626-627	68
89	54821-822	71	93	54821-822	71
82	54891	75	92	54891	75
85	54915	76	86	54915	76
79	57100	114	93	57100	114
76	57226	116	85	57226	116
68	57514	124	89	57514	124
71	57790	138	83	57790	138
69	57848	139	87	57848	139
67	58137	145	83	58137	145
116	58213	154	119	58213	154
107	58563	160	104	58563	160
93	58729	168	105	58729	168
88	59165	174	97	59165	174
89	59382	183	96	59382	183
82	59623	193	96	59623	193
94	59758	198	107	59758	198
79	59890	205	91	59890	205
90	60089	217	89	60089	217
97	60440	221	94	60440	221
93	61415	246	98	61415	246
85	61791	252	100	61791	252
89	62501	261	107	62501	261
87	62755	267	103	62755	267
71	62992	271	91	62992	271
94	63216	283	100	63216	283
88	63406	288	92	63406	288
77	63406	288	90	63531	295
77	63531	295	100	63971	303
82	63971	303	91	64129	321
72	64129	321	88	64207	319
85	64207	319	95	64334	328
76	64334	328	96	64436	341
69	64436	341	96	65037	348
73	65037	348	94	70143	366
85	70143	366			
Average MS Recovery = 86 %			Average LCS Recovery = 94 %		
Minimum MS Recovery = 67 %			Minimum LCS Recovery = 83 %		

Table V-6: Vanadium Laboratory MS and LCS (Graph)

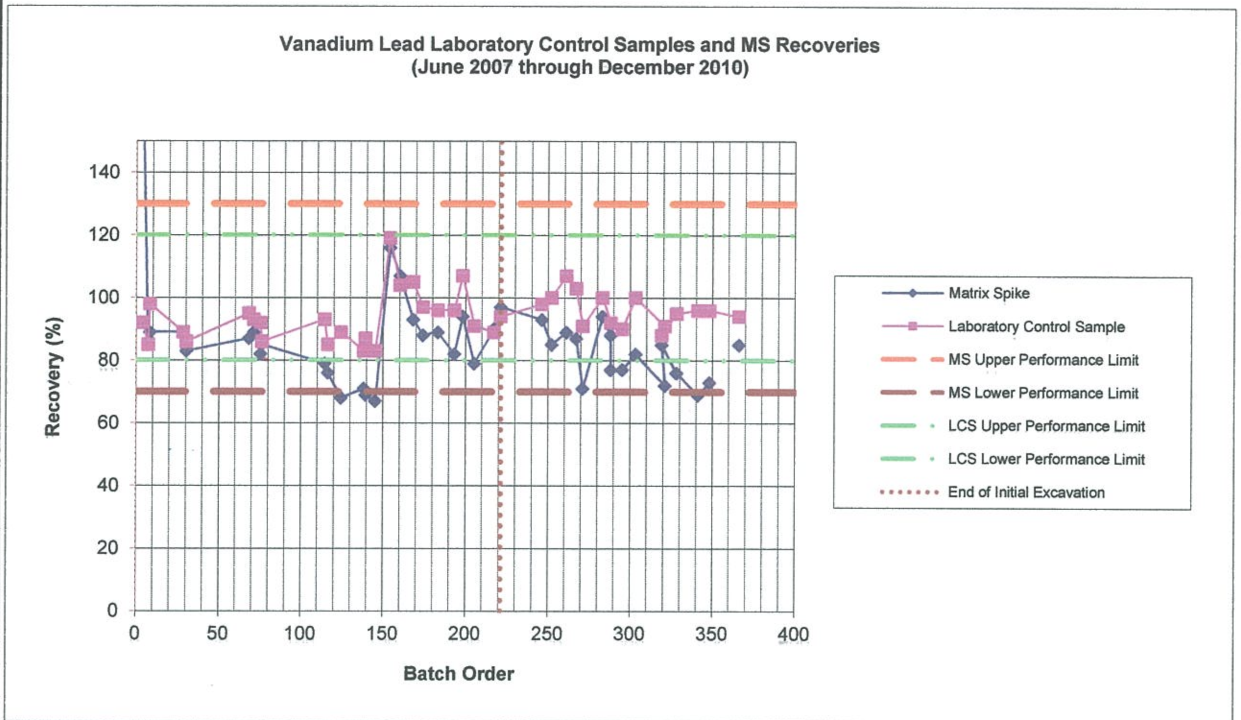


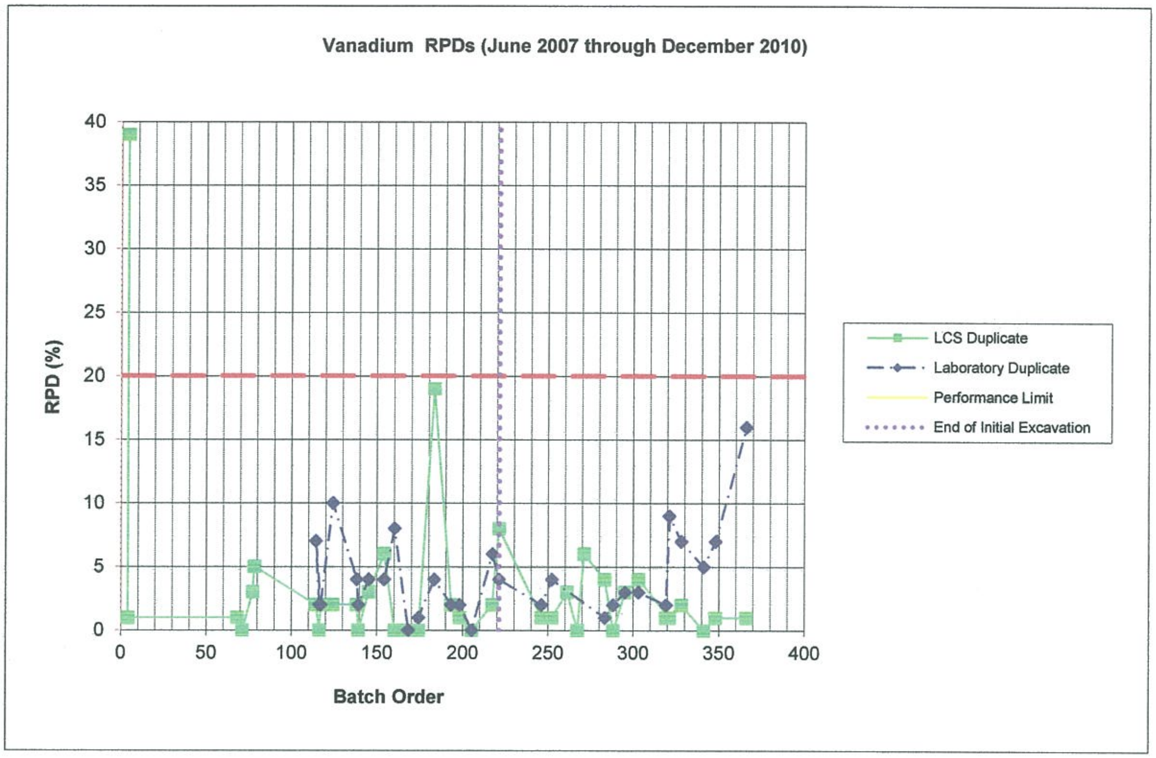
Table V-7: Vanadium - Laboratory Duplicates and LCS Duplicates

Laboratory Duplicate RPD	Batch	Order	LCS Duplicate RPD	Batch	Order
2	57226	116	39	7160081	4
7	57100	114	0.97	7160081	4
2	57400	117	1	54626-627	68
10	57514	124	0	54821-822	71
4	57790	138	3	54891	77
2	57848	139	5	54915	78
4	58137	145	2	57100	114
4	58213	154	0	57226	116
8	58563	160	2	57400	117
0	58729	168	2	57514	124
1	59165	174	2	57790	138
4	59382	183	0	57848	139
2	59623	193	3	58137	145
2	59758	198	6	58213	154
0	59890	205	0	58563	160
6	60089	217	0	58729	168
4	60440	221	0	59165	174
2	61415	246	19	59382	183
4	61791	252	2	59623	193
1	63216	283	1	59758	198
2	63406	288	0	59890	205
3	63531	295	2	60089	217
3	63971	303	8	60440	221
2	64207	319	1	61415	246
9	64129	321	1	61791	252
7	64334	328	3	62501	261
5	64436	341	0	62755	267
7	65037	348	6	62992	271
16	70143	366	4	63216	283
			0	63406	288
			3	63531	295
			4	63971	303
			1	64129	321
			1	64207	319
			2	64334	328
			0	64436	341
			1	65037	348
			1	70143	366

Average Duplicate RPD = 4 % | Average LCS RPD = 3 %

Maximum Duplicate RPD = 16 % | Maximum LCS RPD = 39 %

Table V-7: Vanadium - Laboratory Duplicates and LCS Duplicates (Graph)



VANADIUM CVS Results from 12/16/2010 database								
Site	quarter_acre _grid	sample_location	chemical_name	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	A1	ES-A01-090910	VANADIUM	20.1	09/24/09	61415	Y	ES-A01-090910
East Site	A1	ES-A01-102109	VANADIUM	30.6	11/18/09	62992	Y	DUP-40
East Site	B1	ES-B01-080623	VANADIUM	28.4	05/03/09	57100	Y	ES-B01-080623
East Site	C1	ES-C01-080624	VANADIUM	28.6	05/03/09	57100	Y	ES-C01-080624
East Site	C1	ES-C01-090910	VANADIUM	23.4	09/24/09	61415	Y	ES-C01-090910
East Site	C1	ES-C01-090910	VANADIUM	23.5	12/07/09	63406	Y	DUP-39
East Site	D1	ES-D01-080624	VANADIUM	18.3	06/05/09	58137	Y	ES-D01-080624
East Site	E1	ES-E01-090910	VANADIUM	25.6	09/24/09	61415	Y	ES-E01-090910
East Site	E2	ES-E02-090910	VANADIUM	23.1	09/24/09	61415	Y	ES-E02-090910
East Site	F1	ES-F01-080529	VANADIUM	21.3	05/04/09	57400	Y	DUP-17
East Site	F1	ES-F01-080529	VANADIUM	26.5	05/08/09	57514	Y	ES-F01-080529
East Site	G1	ES-G01-080529	VANADIUM	20.8	05/08/09	57514	Y	ES-G01-080529
East Site	G2	ES-G02-080605	VANADIUM	24.7	05/08/09	57514	Y	ES-G02-080605
East Site	H1	ES-H01-080528	VANADIUM	27.3	05/08/09	57514	Y	ES-H01-080528
East Site	H1	ES-H01-091105	VANADIUM	25.5	12/07/09	63406	Y	ES-H01-091105
East Site	H2	ES-H02-080515	VANADIUM	26.4	05/08/09	57514	Y	ES-H02-080515
East Site	H3	ES-H03-080605	VANADIUM	23.2	05/27/09	57790	Y	ES-H03-080605
East Site	I1	ES-I01-080529	VANADIUM	20.9	05/27/09	57790	Y	ES-I01-080529
East Site	I1	ES-I01-091105	VANADIUM	21.1	12/07/09	63406	Y	ES-I01-091105
East Site	I2	ES-I02-080514	VANADIUM	20.3	05/27/09	57790	Y	ES-I02-080514
East Site	I3	ES-I03-080513	VANADIUM	21.5	05/27/09	57790	Y	ES-I03-080513
East Site	I4	ES-I04-080602	VANADIUM	21.3	05/27/09	57790	Y	ES-I04-080602
East Site	I4	ES-I04-091106	VANADIUM	22	12/07/09	63406	Y	ES-I04-091106
East Site	J1	ES-J01-080529	VANADIUM	22.6	05/27/09	57790	Y	ES-J01-080529
East Site	J2	ES-J02-080527	VANADIUM	17.3	05/08/09	57514	Y	DUP-15
East Site	J2	ES-J02-080527	VANADIUM	20.9	05/27/09	57790	Y	ES-J02-080527
East Site	J2	ES-J02-091105	VANADIUM	19.1	12/07/09	63406	Y	ES-J02-091105
East Site	J3	ES-J03-080513	VANADIUM	24.3	05/03/09	57100	Y	DUP-11
East Site	J3	ES-J03-080513	VANADIUM	19.8	06/19/09	58563	Y	ES-J03-080513
East Site	J3	ES-J03-091103	VANADIUM	25.5	11/25/09	63216	Y	ES-J03-091103
East Site	J4	ES-J04-080530	VANADIUM	24.8	05/08/09	57514	Y	DUP-18
East Site	J4	ES-J04-080530	VANADIUM	21.8	05/27/09	57790	Y	ES-J04-080530
East Site	J4	ES-J04-091103	VANADIUM	22.9	11/25/09	63216	Y	ES-J04-091103
East Site	J5	ES-J05-080602	VANADIUM	22	05/27/09	57790	Y	ES-J05-080602
East Site	J5	ES-J05-091124	VANADIUM	20.8	12/14/09	63531	Y	ES-J05-091124
East Site	J5	ES-J05-091124	VANADIUM	26.9	01/20/10	64129	Y	DUP-45
East Site	J5	ES-J05-100112	VANADIUM	24	01/26/10	64334	Y	ES-J05-100112
East Site	K1	ES-K01-080602	VANADIUM	21.8	05/27/09	57790	Y	ES-K01-080602
East Site	K2	ES-K02-080602	VANADIUM	27	05/08/09	57514	Y	ES-K02-080602
East Site	K2	ES-K02-091103	VANADIUM	21.1	11/25/09	63216	Y	ES-K02-091103

East Site	K2	ES-K02-091103	VANADIUM	21.6	01/26/10	64334	Y	DUP-47
East Site	K3	ES-K03-080514	VANADIUM	22.9	05/27/09	57790	Y	ES-K03-080514
East Site	K3	ES-K03-091103	VANADIUM	22.8	11/25/09	63216	Y	ES-K03-091103
East Site	K4	ES-K04-080527	VANADIUM	21	05/27/09	57848	Y	ES-K04-080527
East Site	K5	ES-K05-080605	VANADIUM	20.7	05/27/09	57848	Y	ES-K05-080605
East Site	K5	ES-K05-080605	VANADIUM	21.1	05/27/09	57848	Y	DUP-19
East Site	K7	ES-K07-080611	VANADIUM	25.1	05/04/09	57400	Y	ES-K07-080611
East Site	K7	ES-K07-090924	VANADIUM	23.3	10/06/09	61791	Y	ES-K07-090924
East Site	K7	ES-K07-091123	VANADIUM	21.2	12/14/09	63531	Y	ES-K07-091123
East Site	L1	ES-L01-080625	VANADIUM	19.5	05/27/09	57848	Y	ES-L01-080625
East Site	L2	ES-L02-080625	VANADIUM	20.3	05/27/09	57848	Y	ES-L02-080625
East Site	L3	ES-L03-080604	VANADIUM	24	05/27/09	57848	Y	ES-L03-080604
East Site	L3	ES-L03-091104	VANADIUM	21.7	11/25/09	63216	Y	ES-L03-091104
East Site	L4	ES-L04-080604	VANADIUM	21.4	06/19/09	58563	Y	ES-L04-080604
East Site	L4	ES-L04-091104	VANADIUM	21.3	11/25/09	63216	Y	ES-L04-091104
East Site	L5	ES-L05-091104	VANADIUM	20.7	11/25/09	63216	Y	ES-L05-091104
East Site	L6	ES-L06-091104	VANADIUM	21.2	11/25/09	63216	Y	ES-L06-091104
East Site	M1	ES-M01-080527	VANADIUM	24	05/27/09	57848	Y	ES-M01-080527
East Site	M2	ES-M02-080519	VANADIUM	22.3	05/27/09	57848	Y	ES-M02-080519
East Site	M3	ES-M03-091022	VANADIUM	21.8	11/18/09	62992	Y	ES-M03-091022
East Site	M3	ES-M03-091228	VANADIUM	30	01/20/10	64129	Y	ES-M03-091228
East Site	M4	ES-M04-080515	VANADIUM	23.2	05/27/09	57848	Y	ES-M04-080515
East Site	M5	ES-M05-080527	VANADIUM	19.1	05/27/09	57848	Y	ES-M05-080527
East Site	M6	ES-M06-080520	VANADIUM	19.6	05/27/09	57848	Y	ES-M06-080520
East Site	M6	ES-M06-091105	VANADIUM	22.3	12/07/09	63406	Y	ES-M06-091105
East Site	M7	ES-M07-091105	VANADIUM	25.2	12/07/09	63406	Y	ES-M07-091105
East Site	M8	ES-M08-080610	VANADIUM	23.8	05/04/09	57400	Y	ES-M08-080610
East Site	M8	ES-M08-090924	VANADIUM	20.5	10/06/09	61791	Y	ES-M08-090924
East Site	M8	ES-M08-091123	VANADIUM	21.3	12/14/09	63531	Y	ES-M08-091123
East Site	M9	ES-M09-080611	VANADIUM	19.3	05/04/09	57400	Y	ES-M09-080611
East Site	N2	ES-N02-080528	VANADIUM	22.4	05/27/09	57848	Y	ES-N02-080528
East Site	N3	ES-N03-080520	VANADIUM	20.9	05/27/09	57848	Y	ES-N03-080520
East Site	N4	ES-N04-080519	VANADIUM	23.1	05/27/09	57848	Y	ES-N04-080519
East Site	N5	ES-N05-080519	VANADIUM	22.4	05/27/09	57848	Y	ES-N05-080519
East Site	N5	ES-N05-091105	VANADIUM	18.5	12/07/09	63406	Y	ES-N05-091105
East Site	N6	ES-N06-080527	VANADIUM	20.1	06/05/09	58137	Y	ES-N06-080527
East Site	N7	ES-N07-080530	VANADIUM	19.3	06/05/09	58137	Y	ES-N07-080530
East Site	N7	ES-N07-100225	VANADIUM	26	03/05/10	65037	Y	ES-N07-100225
East Site	N8	ES-N08-080610	VANADIUM	23.5	05/04/09	57400	Y	ES-N08-080610
East Site	N8	ES-N08-090924	VANADIUM	23.3	10/06/09	61791	Y	ES-N08-090924
East Site	N8	ES-N08-091124	VANADIUM	18.9	12/14/09	63531	Y	ES-N08-091124
East Site	N9	ES-N09-080610	VANADIUM	23.8	05/04/09	57400	Y	ES-N09-080610
East Site	N9	ES-N09-090924	VANADIUM	21.2	10/06/09	61791	Y	ES-N09-090924

East Site	N10	ES-N10-080610	VANADIUM	22.6	05/04/09	57400	Y	ES-N10-080610
East Site	O3	ES-O03-080528	VANADIUM	20.7	06/05/09	58137	Y	ES-O03-080528
East Site	O4	ES-O04-080515	VANADIUM	20.9	06/05/09	58137	Y	ES-O04-080515
East Site	O5	ES-O05-080520	VANADIUM	21.6	06/05/09	58137	Y	ES-O05-080520
East Site	O6	ES-O06-080529	VANADIUM	18.8	06/05/09	58137	Y	ES-O06-080529
East Site	O6	ES-O06-091105	VANADIUM	21.9	12/07/09	63406	Y	ES-O06-091105
East Site	O7	ES-O07-100225	VANADIUM	19.9	03/05/10	65037	Y	ES-O07-100225
East Site	O8	ES-O08-080530	VANADIUM	21.1	07/24/09	59758	Y	ES-O08-080530
East Site	O8	ES-O08-100225	VANADIUM	24.7	03/05/10	65037	Y	ES-O08-100225
East Site	O9	ES-O09-091014	VANADIUM	24.2	10/29/09	62501	Y	ES-O09-091014
East Site	O9	ES-O09-092309	VANADIUM	20.5	10/06/09	61791	Y	ES-O09-092309
East Site	O10	ES-O10-091014	VANADIUM	23.5	10/29/09	62501	Y	ES-O10-091014
East Site	O10	ES-O10-091123	VANADIUM	16.2	12/14/09	63531	Y	ES-O10-091123
East Site	O10	ES-O10-092309	VANADIUM	18.3	10/06/09	61791	Y	ES-O10-092309
East Site	P4	ES-P04-080528	VANADIUM	21.4	05/27/09	57790	Y	DUP-16
East Site	P4	ES-P04-080528	VANADIUM	19.9	06/05/09	58137	Y	ES-P04-080528
East Site	P5	ES-P05-080513	VANADIUM	19.8	06/05/09	58137	Y	ES-P05-080513
East Site	P6	ES-P06-080515	VANADIUM	20.2	05/27/09	57790	Y	DUP-12
East Site	P6	ES-P06-080515	VANADIUM	17.9	06/05/09	58137	Y	ES-P06-080515
East Site	P7	ES-P07-080519	VANADIUM	20.1	05/27/09	57848	Y	ES-P07-080519
East Site	P7	ES-P07-091022	VANADIUM	19.4	11/18/09	62992	Y	ES-P07-091022
East Site	P8	ES-P08-080530	VANADIUM	20.6	06/05/09	58137	Y	ES-P08-080530
East Site	P10	ES-P10-080606	VANADIUM	19.3	05/04/09	57400	Y	ES-P10-080606
East Site	P10	ES-P10-091014	VANADIUM	24.2	10/29/09	62501	Y	ES-P10-091014
East Site	P10	ES-P10-092309	VANADIUM	20.2	10/06/09	61791	Y	ES-P10-092309
East Site	P11	ES-P11-080606	VANADIUM	18.4	05/04/09	57400	Y	ES-P11-080606
East Site	P11	ES-P11-092309	VANADIUM	20.8	10/06/09	61791	Y	ES-P11-092309
East Site	Q5	ES-Q05-080520	VANADIUM	19.8	06/05/09	58137	Y	ES-Q05-080520
East Site	Q5	ES-Q05-091105	VANADIUM	21.4	12/07/09	63406	Y	ES-Q05-091105
East Site	Q6	ES-Q06-091021	VANADIUM	21.3	11/18/09	62992	Y	ES-Q06-091021
East Site	Q7	ES-Q07-091021	VANADIUM	21.7	11/18/09	62992	Y	ES-Q07-091021
East Site	Q7	ES-Q07-091228	VANADIUM	27.3	01/20/10	64129	Y	ES-Q07-091228
East Site	Q8	ES-Q08-091021	VANADIUM	24.8	11/18/09	62992	Y	ES-Q08-091021
East Site	Q8	ES-Q08-091228	VANADIUM	29.3	01/20/10	64129	Y	ES-Q08-091228
East Site	Q9	ES-Q09-080612	VANADIUM	19.9	06/05/09	58137	Y	ES-Q09-080612
East Site	Q10	ES-Q10-080606	VANADIUM	34.9	05/08/09	57514	Y	ES-Q10-080606
East Site	Q10	ES-Q10-091123	VANADIUM	24.2	12/14/09	63531	Y	ES-Q10-091123
East Site	Q10	ES-Q10-092309	VANADIUM	23	10/06/09	61791	Y	ES-Q10-092309
East Site	Q11	ES-Q11-080606	VANADIUM	28.2	05/08/09	57514	Y	ES-Q11-080606
East Site	Q17	ES-Q17-080609	VANADIUM	21.2	05/03/09	57100	Y	ES-Q17-080609
East Site	R5	ES-R05-080521	VANADIUM	21.4	06/05/09	58137	Y	ES-R05-080521
East Site	R5	ES-R05-091105	VANADIUM	22.9	12/07/09	63406	Y	ES-R05-091105
East Site	R6	ES-R06-080521	VANADIUM	19.7	06/19/09	58563	Y	ES-R06-080521

East Site	R7	ES-R07-080521	VANADIUM	20.7	06/11/09	58213	Y	ES-R07-080521
East Site	R8	ES-R08-091021	VANADIUM	28.7	11/18/09	62992	Y	ES-R08-091021
East Site	R8	ES-R08-091021	VANADIUM	23.3	01/20/10	64207	Y	DUP-46
East Site	R9	ES-R09-080520	VANADIUM	22.6	06/11/09	58213	Y	ES-R09-080520
East Site	R10	ES-R10-080602	VANADIUM	20.8	06/11/09	58213	Y	ES-R10-080602
East Site	R11	ES-R11-080605	VANADIUM	27.4	05/08/09	57514	Y	ES-R11-080605
East Site	R11	ES-R11-090910	VANADIUM	19.8	09/24/09	61415	Y	ES-R11-090910
East Site	R11	ES-R11-090910	VANADIUM	24.6	10/29/09	62501	Y	DUP-38
East Site	R12	ES-R12-080611	VANADIUM	27	05/08/09	57514	Y	ES-R12-080611
East Site	R16	ES-R16-080605	VANADIUM	23.4	05/03/09	57100	Y	ES-R16-080605
East Site	R17	ES-R17-080606	VANADIUM	20.2	05/03/09	57100	Y	ES-R17-080606
East Site	S5	ES-S05-080521	VANADIUM	20.5	06/11/09	58213	Y	ES-S05-080521
East Site	S6	ES-S06-080521	VANADIUM	25.7	06/11/09	58213	Y	ES-S06-080521
East Site	S7	ES-S07-080521	VANADIUM	20.6	06/11/09	58213	Y	ES-S07-080521
East Site	S8	ES-S08-091015	VANADIUM	29.9	10/29/09	62501	Y	ES-S08-091015
East Site	S9	ES-S09-080522	VANADIUM	23.8	06/11/09	58213	Y	ES-S09-080522
East Site	S10	ES-S10-080523	VANADIUM	22.6	06/11/09	58213	Y	ES-S10-080523
East Site	S11	ES-S11-080528	VANADIUM	23.3	06/11/09	58213	Y	ES-S11-080528
East Site	S12	ES-S12-080609	VANADIUM	22.1	05/03/09	57100	Y	ES-S12-080609
East Site	S13	ES-S13-080610	VANADIUM	24	05/03/09	57100	Y	ES-S13-080610
East Site	S17	ES-S17-090910	VANADIUM	23.5	09/24/09	61415	Y	ES-S17-090910
East Site	S17	ES-S17-090910	VANADIUM	22.8	10/06/09	61791	Y	DUP-37
East Site	S18	ES-S18-080606	VANADIUM	24.8	05/03/09	57100	Y	ES-S18-080606
East Site	T7	ES-T07-080612	VANADIUM	21.6	06/11/09	58213	Y	ES-T07-080612
East Site	T8	ES-T08-080522	VANADIUM	20.3	06/05/09	58137	Y	DUP-13
East Site	T8	ES-T08-080522	VANADIUM	22.1	06/11/09	58213	Y	ES-T08-080522
East Site	T9	ES-T09-080522	VANADIUM	20.5	06/11/09	58213	Y	ES-T09-080522
East Site	T10	ES-T10-080523	VANADIUM	20.9	06/11/09	58213	Y	DUP-14
East Site	T10	ES-T10-080523	VANADIUM	21.7	06/11/09	58213	Y	ES-T10-080523
East Site	T10	ES-T10-091015	VANADIUM	30.9	10/29/09	62501	Y	ES-T10-091015
East Site	T11	ES-T11-080530	VANADIUM	26.1	06/11/09	58213	Y	ES-T11-080530
East Site	T12	ES-T12-080609	VANADIUM	26.8	05/03/09	57100	Y	ES-T12-080609
East Site	T13	ES-T13-080609	VANADIUM	24.2	05/03/09	57100	Y	ES-T13-080609
East Site	T14	ES-T14-080610	VANADIUM	24.6	05/03/09	57100	Y	ES-T14-080610
East Site	U10	ES-U10-080523	VANADIUM	22.8	06/11/09	58213	Y	ES-U10-080523
East Site	U11	ES-U11-080602	VANADIUM	21.9	06/19/09	58563	Y	ES-U11-080602
East Site	U13	ES-U13-080610	VANADIUM	20.1	05/04/09	57400	Y	ES-U13-080610
East Site	U14	ES-U14-080610	VANADIUM	21.4	05/04/09	57400	Y	ES-U14-080610
East Site	V11	ES-V11-080529	VANADIUM	21.2	06/19/09	58563	Y	ES-V11-080529
East Site	V14	ES-V14-080605	VANADIUM	21.7	05/04/09	57400	Y	ES-V14-080605
East Site	W12	ES-W12-080527	VANADIUM	19.7	06/19/09	58563	Y	ES-W12-080527
West Site	A4	WS-A04-080626	VANADIUM	29.1	07/11/09	59382	Y	WS-A04-080626
West Site	B2	WS-B02-100120	VANADIUM	17.2	02/05/10	64436	Y	WS-B02-100120

West Site	B3	WS-B03-080502	VANADIUM	27.5	07/11/09	59382	Y	WS-B03-080502
West Site	B4	WS-B04-080626	VANADIUM	24.5	07/11/09	59382	Y	WS-B04-080626
West Site	B5	WS-B05-080626	VANADIUM	18.4	07/24/09	59758	Y	WS-B05-080626
West Site	C1	WS-C01-080501	VANADIUM	19.7	06/19/09	58563	Y	DUP-3
West Site	C1	WS-C01-080501	VANADIUM	18	06/19/09	58563	Y	WS-C01-080501
West Site	C2	WS-C02-080428	VANADIUM	23.4	07/22/09	59623	Y	WS-C02-080428
West Site	C2	WS-C02-100120	VANADIUM	19.4	02/05/10	64436	Y	WS-C02-100120
West Site	C3	WS-C03-080620	VANADIUM	22	07/22/09	59623	Y	WS-C03-080620
West Site	C4	WS-C04-080623	VANADIUM	18.2	07/22/09	59623	Y	WS-C04-080623
West Site	C5	WS-C05-080620	VANADIUM	19.2	07/24/09	59758	Y	WS-C05-080620
West Site	C5	WS-C05-100112	VANADIUM	19	01/26/10	64334	Y	WS-C05-100112
West Site	C6	WS-C06-080624	VANADIUM	22.1	07/24/09	59758	Y	WS-C06-080624
West Site	C6	WS-C06-091013	VANADIUM	25.4	10/29/09	62501	Y	WS-C06-091013
West Site	D1	WS-D01-080430	VANADIUM	20.7	06/19/09	58563	Y	WS-D01-080430
West Site	D2	WS-D02-080429	VANADIUM	27.8	07/11/09	59382	Y	DUP-2
West Site	D2	WS-D02-080429	VANADIUM	21	07/22/09	59623	Y	WS-D02-080429
West Site	D3	WS-D03-080620	VANADIUM	19.1	07/22/09	59623	Y	WS-D03-080620
West Site	D4	WS-D04-080623	VANADIUM	18.2	08/17/09	60440	Y	WS-D04-080623
West Site	D4	WS-D04-091230	VANADIUM	24	01/20/10	64129	Y	WS-D04-091230
West Site	D5	WS-D05-080620	VANADIUM	23.8	07/24/09	59758	Y	WS-D05-080620
West Site	D5	WS-D05-100111	VANADIUM	21.3	01/26/10	64334	Y	WS-D05-100111
West Site	D6	WS-D06-080619	VANADIUM	23	07/24/09	59758	Y	WS-D06-080619
West Site	D6	WS-D06-091013	VANADIUM	25.4	10/29/09	62501	Y	WS-D06-091013
West Site	D7	WS-D07-080619	VANADIUM	24.4	07/24/09	59758	Y	WS-D07-080619
West Site	D7	WS-D07-091013	VANADIUM	26.4	10/29/09	62501	Y	WS-D07-091013
West Site	E1	WS-E01-080430	VANADIUM	22.9	06/19/09	58563	Y	WS-E01-080430
West Site	E2	WS-E02-080428	VANADIUM	31.2	07/11/09	59382	Y	DUP-1
West Site	E2	WS-E02-080428	VANADIUM	26.3	07/22/09	59623	Y	WS-E02-080428
West Site	E2	WS-E02-100115	VANADIUM	18.7	02/05/10	64436	Y	WS-E02-100115
West Site	E3	WS-E03-080619	VANADIUM	19.3	07/22/09	59623	Y	WS-E03-080619
West Site	E4	WS-E04-080613	VANADIUM	19.4	07/24/09	59758	Y	WS-E04-080613
West Site	E4	WS-E04-091230	VANADIUM	22	01/20/10	64129	Y	WS-E04-091230
West Site	E5	WS-E05-080613	VANADIUM	22.2	07/24/09	59758	Y	WS-E05-080613
West Site	E5	WS-E05-100111	VANADIUM	21.8	01/26/10	64334	Y	WS-E05-100111
West Site	E6	WS-E06-080613	VANADIUM	19.6	07/24/09	59758	Y	WS-E06-080613
West Site	E6	WS-E06-091228	VANADIUM	23.4	01/20/10	64129	Y	WS-E06-091228
West Site	E7	WS-E07-080613	VANADIUM	22.2	07/24/09	59758	Y	WS-E07-080613
West Site	E7	WS-E07-091228	VANADIUM	26.7	01/20/10	64129	Y	WS-E07-091228
West Site	E8	WS-E08-091228	VANADIUM	24.6	01/20/10	64129	Y	WS-E08-091228
West Site	F1	WS-F01-080429	VANADIUM	23.1	06/19/09	58563	Y	WS-F01-080429
West Site	F1	WS-F01-100115	VANADIUM	20	02/05/10	64436	Y	WS-F01-100115
West Site	F2	WS-F02-080429	VANADIUM	25.6	07/22/09	59623	Y	WS-F02-080429
West Site	F2	WS-F02-100115	VANADIUM	17.2	02/05/10	64436	Y	WS-F02-100115

West Site	F3	WS-F03-080619	VANADIUM	20.6	07/22/09	59623	Y	WS-F03-080619
West Site	F3	WS-F03-100115	VANADIUM	14.7	02/05/10	64436	Y	WS-F03-100115
West Site	F4	WS-F04-080616	VANADIUM	19.9	07/30/09	59890	Y	WS-F04-080616
West Site	F4	WS-F04-091230	VANADIUM	22.8	01/20/10	64129	Y	WS-F04-091230
West Site	F5	WS-F05-080612	VANADIUM	22	08/17/09	60440	Y	WS-F05-080612
West Site	F5	WS-F05-100111	VANADIUM	20.7	01/26/10	64334	Y	WS-F05-100111
West Site	F6	WS-F06-080612	VANADIUM	24.1	07/30/09	59890	Y	WS-F06-080612
West Site	F6	WS-F06-091228	VANADIUM	25	01/20/10	64129	Y	WS-F06-091228
West Site	F7	WS-F07-080617	VANADIUM	23.6	06/30/09	58729	Y	WS-F07-080617
West Site	F8	WS-F08-080618	VANADIUM	21.8	06/30/09	58729	Y	WS-F08-080618
West Site	G1	WS-G01-080501	VANADIUM	23.8	06/19/09	58563	Y	DUP-4
West Site	G1	WS-G01-080501	VANADIUM	27.1	06/30/09	58729	Y	WS-G01-080501
West Site	G1	WS-G01-100113	VANADIUM	23.2	01/26/10	64334	Y	WS-G01-100113
West Site	G1	WS-G01-100223	VANADIUM	24.6	03/05/10	65037	Y	WS-G01-100223
West Site	G2	WS-G02-080618	VANADIUM	21.3	07/22/09	59623	Y	WS-G02-080618
West Site	G2	WS-G02-100113	VANADIUM	18.8	01/26/10	64334	Y	WS-G02-100113
West Site	G3	WS-G03-080619	VANADIUM	16.6	07/22/09	59623	Y	WS-G03-080619
West Site	G4	WS-G04-080616	VANADIUM	19.1	07/30/09	59890	Y	WS-G04-080616
West Site	G5	WS-G05-100108	VANADIUM	24.3	01/20/10	64207	Y	WS-G05-100108
West Site	G5	WS-G05-100223	VANADIUM	21.8	03/05/10	65037	Y	WS-G05-100223
West Site	G6	WS-G06-080616	VANADIUM	21.6	07/30/09	59890	Y	WS-G06-080616
West Site	G6	WS-G06-100107	VANADIUM	21.4	01/20/10	64207	Y	WS-G06-100107
West Site	G7	WS-G07-080617	VANADIUM	21	06/30/09	58729	Y	WS-G07-080617
West Site	G7	WS-G07-100105	VANADIUM	23.4	01/20/10	64207	Y	WS-G07-100105
West Site	H1	WS-H01-080501	VANADIUM	28.4	06/30/09	58729	Y	WS-H01-080501
West Site	H2	WS-H02-080618	VANADIUM	19.9	07/22/09	59623	Y	WS-H02-080618
West Site	H2	WS-H02-100113	VANADIUM	19.3	01/26/10	64334	Y	WS-H02-100113
West Site	H3	WS-H03-080619	VANADIUM	16.7	07/30/09	59890	Y	WS-H03-080619
West Site	H4	WS-H04-080616	VANADIUM	18.7	07/30/09	59890	Y	WS-H04-080616
West Site	H5	WS-H05-100107	VANADIUM	21.4	01/20/10	64207	Y	WS-H05-100107
West Site	H6	WS-H06-080617	VANADIUM	23.8	06/30/09	58729	Y	WS-H06-080617
West Site	I1	WS-I01-080501	VANADIUM	21.6	06/30/09	58729	Y	WS-I01-080501
West Site	I1	WS-I01-080501	VANADIUM	20.6	06/30/09	58729	Y	DUP-5
West Site	I1	WS-I01-091013	VANADIUM	24.9	10/29/09	62501	Y	WS-I01-091013
West Site	I2	WS-I02-080618	VANADIUM	18.5	07/24/09	59758	Y	WS-I02-080618
West Site	I2	WS-I02-091014	VANADIUM	22.6	10/29/09	62501	Y	WS-I02-091014
West Site	I2	WS-I02-100113	VANADIUM	18.6	01/26/10	64334	Y	WS-I02-100113
West Site	I3	WS-I03-080618	VANADIUM	17.6	07/30/09	59890	Y	WS-I03-080618
West Site	I3	WS-I03-091013	VANADIUM	21	10/29/09	62501	Y	WS-I03-091013
West Site	I3	WS-I03-100113	VANADIUM	16.2	01/26/10	64334	Y	WS-I03-100113
West Site	I4	WS-I04-080617	VANADIUM	19	07/30/09	59890	Y	WS-I04-080617
West Site	I4	WS-I04-100106	VANADIUM	17	01/20/10	64207	Y	WS-I04-100106
West Site	I5	WS-I05-080617	VANADIUM	21.4	06/30/09	58729	Y	WS-I05-080617

West Site	I5	WS-I05-091013	VANADIUM	23.5	10/29/09	62501	Y	WS-I05-091013
West Site	I5	WS-I05-100107	VANADIUM	21.4	01/20/10	64207	Y	WS-I05-100107
West Site	I6	WS-I06-080617	VANADIUM	19.2	06/30/09	58729	Y	WS-I06-080617
West Site	I6	WS-I06-100105	VANADIUM	21.8	01/20/10	64207	Y	WS-I06-100105
West Site	J1	WS-J01-080505	VANADIUM	19	06/30/09	58729	Y	WS-J01-080505
West Site	J1	WS-J01-080505	VANADIUM	19.5	06/30/09	58729	Y	DUP-6
West Site	J1	WS-J01-091013	VANADIUM	23.7	10/29/09	62501	Y	WS-J01-091013
West Site	J1	WS-J01-100112	VANADIUM	20.2	01/26/10	64334	Y	WS-J01-100112
West Site	J2	WS-J02-080624	VANADIUM	19.4	06/30/09	58729	Y	WS-J02-080624
West Site	J2	WS-J02-100112	VANADIUM	18.9	01/26/10	64334	Y	WS-J02-100112
West Site	J3	WS-J03-080620	VANADIUM	20.9	07/08/09	59165	Y	WS-J03-080620
West Site	J4	WS-J04-080617	VANADIUM	21.5	07/08/09	59165	Y	WS-J04-080617
West Site	J4	WS-J04-100106	VANADIUM	24.5	01/20/10	64207	Y	WS-J04-100106
West Site	J5	WS-J05-080618	VANADIUM	20.2	07/08/09	59165	Y	WS-J05-080618
West Site	K1	WS-K01-080505	VANADIUM	20.5	07/08/09	59165	Y	WS-K01-080505
West Site	K1	WS-K01-091013	VANADIUM	24.8	10/29/09	62501	Y	WS-K01-091013
West Site	K2	WS-K02-080509	VANADIUM	21.1	07/08/09	59165	Y	WS-K02-080509
West Site	K3	WS-K03-080509	VANADIUM	19.2	07/08/09	59165	Y	WS-K03-080509
West Site	K4	WS-K04-080513	VANADIUM	22.8	07/08/09	59165	Y	WS-K04-080513
West Site	K4	WS-K04-080513	VANADIUM	20.6	07/24/09	59758	Y	DUP-10
West Site	K4	WS-K04-100106	VANADIUM	23.7	01/20/10	64207	Y	WS-K04-100106
West Site	K5	WS-K05-080509	VANADIUM	20.1	07/08/09	59165	Y	WS-K05-080509
West Site	L1	WS-L01-080505	VANADIUM	19.2	07/08/09	59165	Y	WS-L01-080505
West Site	L2	WS-L02-080508	VANADIUM	18.2	07/08/09	59165	Y	WS-L02-080508
West Site	L3	WS-L03-080508	VANADIUM	17.4	07/08/09	59165	Y	WS-L03-080508
West Site	L4	WS-L04-080508	VANADIUM	23.1	07/08/09	59165	Y	WS-L04-080508
West Site	L4	WS-L04-080508	VANADIUM	21.5	07/08/09	59165	Y	DUP-9
West Site	M1	WS-M01-080505	VANADIUM	19.5	07/08/09	59165	Y	DUP-7
West Site	M1	WS-M01-080505	VANADIUM	19	07/08/09	59165	Y	WS-M01-080505
West Site	M2	WS-M02-080507	VANADIUM	18.1	07/24/09	59758	Y	WS-M02-080507
West Site	M3	WS-M03-080507	VANADIUM	17.4	07/22/09	59623	Y	DUP-8
West Site	M3	WS-M03-080507	VANADIUM	14.5	08/11/09	60089	Y	WS-M03-080507
West Site	M3	WS-M03-091217	VANADIUM	19.7	01/06/10	63971	Y	WS-M03-091217
West Site	M3	WS-M03-091217	VANADIUM	20.9	03/05/10	65037	Y	DUP-48
West Site	M4	WS-M04-080507	VANADIUM	16.3	08/11/09	60089	Y	WS-M04-080507
West Site	M4	WS-M04-091218	VANADIUM	20.9	01/06/10	63971	Y	WS-M04-091218
West Site	M4	WS-M04-091218	VANADIUM	28.9	01/20/10	64129	Y	DUP-44
West Site	N1	WS-N01-080506	VANADIUM	15.1	08/11/09	60089	Y	WS-N01-080506
West Site	N2	WS-N02-080506	VANADIUM	28	07/11/09	59382	Y	WS-N02-080506
West Site	N3	WS-N03-080507	VANADIUM	17	06/30/09	58729	Y	WS-N03-080507
West Site	O1	WS-O01-080506	VANADIUM	27	07/11/09	59382	Y	WS-O01-080506
West Site	O2	WS-O02-080506	VANADIUM	22.7	07/11/09	59382	Y	WS-O02-080506

Table Zn-1: Zinc Data Quality Summary			
Laboratory Performance Criteria	Critera	Measured	Comment
Minimum LCS Recovery	greater than 80%	80%	
Minimum Matrix Spike Recovery	greater than 70%	73%	
Average LCS Recovery	N/A	96%	
Average Matrix Spike Recovery	N/A	88%	
Maximum LCS RPD	less than 20%	11%	
Maximum Laboratory Duplicate RPD	less than 20%	22%	high
Average LCS RPD	N/A	3%	
Average Laboratory Duplicate RPD	N/A	5%	
Measurement Quality Objectives	Critera	Measured	
NPS CRM	Recovery greater than 208	Minimum Recovery =	176 mg/kg
EQIS CRM	See Note 1		
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	91 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	24 %
Overall QC Indicator Measurements	Criteria	Measured	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	85.4 %
NPS Replicate Test (Precision measure)	N/A	Standard Deviation =	5.15 mg/kg
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal	140	mg/kg	
Tier 2 Remediation Goal	none		
QC Derived reliance Level	139.1	mg/kg See Note 2	

Comments: All laboratory QC accuracy measurements for zinc achieved laboratory performance criteria. However, a NPS CRM minimum recovery (176 mg/kg) that is less than the the vendor supplied lower acceptance limit (208 mg/kg) and a low average recovery (85.4 %) suggest a general bias towards low measurements. A high maximum laboratory duplicate RPD (22%) suggests measurement imprecision. The maximum CVS RPD (91%) exceeds the specified measurement quality objective maximum (35%), also suggesting measurement imprecision. However, CRM split analyses were good, having a maximum of 24 percent. The imprecision appears to be very intermittent. All CVS zinc measurements were less than the derived reliance interval (139 mg/kg). Based on this, together with the review of the QC data, it is concluded that the zinc CVS data have acceptable quality and may be used to determine RG achievement.

Note 1: The QAPP required CRMs have only 4 analytes from each analyte group. Zinc is not one of these analytes.

Note: Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (140)(1.2)(.854)-(0.84)(5.15) = 139.1 mg/kg

Table Zn-2: Zinc - NPS CRMs				
Blind NPS CRM Results				
Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 56	252	5/3/09	57225	Y
BOR SAMPLE 6-BOR 81	242	5/4/09	57431	Y
BOR Sample 4-BOR 82	216	5/6/09	57448	Y
BOR 83	245	5/27/09	57791	Y
BOR Sample 3-BOR 58	222	5/27/09	57791	Y
BOR 84	247	5/28/09	57849	Y
BOR Sample 7-BOR 105	242	5/28/09	57849	Y
BOR 85	212	6/5/09	58138	Y
BOR Sample 8-BOR 106	214	6/5/09	58138	Y
BOR 86	253	6/11/09	58214	Y
BOR 108	281	6/19/09	58564	Y
BOR 87	284	6/19/09	58564	Y
BOR 109	255	6/30/09	58730	Y
BOR 110	176	7/13/09	59383	Y
BOR Sample 9-BOR 107	236	7/24/09	59759	Y
BOR 111	247	7/30/09	59891	Y

CRMs		Vendor Supplied Information
Mean	239.0	*Made to*
Median	243.5	*280 mg/kg*
Standard Deviation	26.8	
Sample Variance	716.1	*Upper Acceptance Limit*
Kurtosis		*308 mg/kg*
Skewness	-0.5	
Range	108.0	*Lower Acceptance Limit*
Minimum	176.0	*208 mg/kg*
Maximum	284.0	
Sum	3824.0	
Count	16.0	
Largest(2)	281.0	
Smallest(2)	212.0	

Table Zn-3: Zinc - NPS Replicate Tests on a Background Sample				
Results of Replicate Analyses of a Single Sample				
Sample	Result	Analysis Date	Batch	Detect
BOR 112	69.7	5/4/09	57225	Y
BOR 59	72.1	5/4/09	57431	Y
BOR 60	69	5/6/09	57448	Y
BOR 113	66.1	5/27/09	57791	Y
BOR 61	64.8	5/27/09	57791	Y
BOR 62	67.6	6/11/09	58214	Y
BOR 63	81.3	6/19/09	58564	Y
BOR 89	82	6/19/09	58564	Y
BOR 115	72.8	6/30/09	58730	Y
BOR 64	74.9	7/8/09	59166	Y
BOR 91	71.2	7/8/09	59166	Y
BOR 116	76.1	7/13/09	59383	Y
BOR 92	65.3	7/13/09	59383	Y
BOR 65	74.7	7/24/09	59622	Y
BOR 88	72.1	7/30/09	59891	Y
BOR 800	74.1	9/28/09	61416	Y
BOR-802	76.7	40092	61792	Y
BOR 804	82.7	40115	62500	Y
BOR-805	70.4	40135	62993	Y
BOR-807	76.6	40142	63217	Y
BOR-808	73.3	40154	63407	Y
BOR 813	70.6	40198	64130	Y
BOR 815	72.5	40198	64208	Y
BOR-816	83.1	40204	64335	Y
BOR-820	72.6	40242	65038	Y

Replicate analyses of Single Sample	
Mean	73.292
Median	72.600
Standard Deviation	5.148
Sample Variance	26.497
Kurtosis	-0.294
Skewness	0.396
Range	18.300
Minimum	64.800
Maximum	83.100
Sum	1832.300
Count	25.000
Largest(2)	82.700
Smallest(2)	65.300

Table Zn-4: Zinc NPS and EQIS Duplicates							
Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
DUP-11	95.7	5/3/09	57101	ES-T11-080530	59.7	6/11/2009	46
DUP-17	92.4	5/4/09	57431	ES-S10-080523	58.6	6/11/2009	45
DUP-15	69.9	5/6/09	57448	ES-M05-080527	61.1	5/28/2009	13
DUP-12	64.8	5/27/09	57791	ES-Q11-080606	61	5/6/2009	6
DUP-16	80.1	5/27/09	57791	OU-8HR-080605	65.6	5/3/2009	20
DUP-19	68.1	5/28/09	57849	WS-L04-080508	77.7	7/8/2009	13
DUP-13	61.6	6/5/09	58138	WS-F05-080612	86	8/18/2009	33
DUP-14	106	6/11/09	58214	WS-F05-080612	86	8/17/2009	21
DUP-3	92.8	6/19/09	58564	WS-E06-080613	66	7/24/2009	34
DUP-4	129	6/19/09	58564	ES-J03-080513	110	6/19/2009	16
DUP-5	90.7	6/30/09	58730	ES-F01-080529	63.5	5/6/2009	35
DUP-6	122	6/30/09	58730	ES-J02-080527	86.7	5/27/2009	34
DUP-7	89.4	7/8/09	59166	ES-J04-080530	110	5/27/2009	21
DUP-9	75.1	7/8/09	59166	ES-P06-080515	61.7	6/5/2009	20
DUP-1	91.1	7/11/09	59383	ES-P04-080528	63.6	6/5/2009	36
DUP-2	67.4	7/11/09	59383	ES-K05-080605	60.8	5/28/2009	10
DUP-8	177	7/24/09	59622	ES-T08-080522	66.7	6/11/2009	91
DUP-10	149	7/24/09	59759	ES-T10-080523	102	6/11/2009	37
DUP-37	74.6	10/6/09	61792	WS-C01-080501	92.7	6/19/2009	22
DUP-38	76.5	10/29/09	62500	WS-G01-080501	98.6	6/30/2009	25
DUP-40	73.1	11/18/09	62993	WS-I01-080501	95.2	6/30/2009	26
DUP-39	67.6	12/7/09	63407	WS-J01-080505	114	6/30/2009	51
DUP-44	53.9	1/20/10	64130	WS-M01-080505	88.2	7/8/2009	48
DUP-45	92	1/20/10	64130	WS-L04-080508	77.7	7/8/2009	17
DUP-46	64.3	1/20/10	64208	WS-E02-080428	109	7/24/2009	52
DUP-47	81.3	1/26/10	64335	WS-D02-080429	79.1	7/24/2009	3
DUP-48	70.6	3/5/10	65038	WS-K04-080513	124	7/8/2009	55
BOR 503	67.5	39937	57431	ES-T11-080530	59.7	6/11/2009	12
BOR 506	60.9	39939	57448	ES-S10-080523	58.6	6/11/2009	4
BOR 504	58.5	39960	57791	ES-M05-080527	61.1	5/28/2009	4
BOR 508	78.4	39983	58564	ES-Q11-080606	61	5/6/2009	25
BOR 510	65.5	39994	58730	OU-8HR-080605	65.6	5/3/2009	0
BOR 501	78.9	40002	59166	WS-L04-080508	77.7	7/8/2009	2
BOR 505	87.7	40018	59622	WS-K03-080509	88.4	7/8/2009	1
BOR 502	81.4	40018	59759	WS-F05-080612	86	8/18/2009	5
BOR 509	73.7	40018	59759	WS-E06-080613	66	7/24/2009	11
BOR 500	111	40024	59891	WS-F01-080429	119	6/19/2009	7
BOR-809	74.7	40161	63530	ES-K03-091103	73.3	11/25/2009	2
BOR-810	64.3	40161	63530	ES-P07-091022	57.4	11/18/2009	11
BOR-811	68.6	40161	63530	ES-R08-091021	63.1	11/18/2009	8
BOR 814	97.8	40198	64130	ES-J05-091124	95.3	12/14/2009	3
BOR-818	73.8	40242	65038	WS-F05-100111	76.4	1/26/2010	3
BOR-822	67.4	40242	65038	ES-Q08-091228	66	1/20/2010	2

Table Zn-4: Zinc NPS and EQIS Duplicates (continued)

RPD of Sample Splits	
Mean	21.630
Median	16.853
Standard Deviation	19.422
Sample Variance	377.210
Kurtosis	2.246
Skewness	1.312
Range	90.369
Minimum	0.153
Maximum	90.521
Sum	930.079
Count	43.000
Largest(2)	54.882
Smallest(2)	0.795

Table Zn-5: Zinc EQIS CRMs						
Results of Duplicate Analysis of EQIS CRMs						
Sample	Result	Date	Batch	Detect	Average	RPD
ES-Z11-080605A	242	5/3/09	57101	Y		
ES-Z11-080605B	235	5/3/09	57101	Y	239	3
ES-Z09-080529A	262	5/4/09	57431	Y		
ES-Z09-080529B	246	5/4/09	57431	Y	254	6
ES-Z12-080606A	271	5/4/09	57431	Y		
ES-Z12-080606B	257	5/4/09	57431	Y	264	5
ES-Z05-080519A	235	5/6/09	57448	Y		
ES-Z05-080519B	219	5/6/09	57448	Y	227	7
ES-Z06-080520A	222	5/6/09	57448	Y		
ES-Z06-080520B	212	5/6/09	57448	Y	217	5
ES-Z07-080522A	249	5/27/09	57791	Y		
ES-Z07-080522B	235	5/27/09	57791	Y	242	6
ES-Z13-080610A	237	5/28/09	57849	Y		
ES-Z13-080610B	229	5/28/09	57849	Y	233	3
ES-Z10-080602A	217	6/5/09	58138	Y		
ES-Z10-080602B	221	6/5/09	58138	Y	219	2
ES-Z08-080527A	253	6/11/09	58214	Y		
ES-Z08-080527B	238	6/11/09	58214	Y	246	6
ES-Z14-080611A	293	6/19/09	58564	Y		
ES-Z14-080611B	284	6/19/09	58564	Y	289	3
ES-Z06-080520C	259	6/30/09	58730	Y		
ES-Z06-080520D	263	6/30/09	58730	Y	261	2
ES-Z05-080519C	243	7/8/09	59166	Y		
ES-Z05-080519D	286	7/8/09	59166	Y	265	16
ES-Z19-080624A	228	7/11/09	59383	Y		
ES-Z19-080624B	231	7/11/09	59383	Y	230	1
WS-Z17-080618A	227	7/11/09	59383	Y		
WS-Z17-080618B	178	7/13/09	59383	Y	203	24
WS-Z15-080613A	252	7/24/09	59622	Y		
WS-Z15-080613B	259	7/24/09	59622	Y	256	3
WS-Z18-080620A	251	7/24/09	59622	Y		
WS-Z18-080620B	247	7/24/09	59622	Y	249	2
WS-Z16-080617A	258	7/30/09	59891	Y		
WS-Z16-080617B	263	7/30/09	59891	Y	261	2
ES-Z22-091021A	246	11/18/09	62993	Y		
ES-Z22-091021B	248	11/18/09	62993	Y	247	1
ES-Z23-091022A	250	11/18/09	62993	Y		
ES-Z23-091022B	246	11/18/09	62993	Y	248	2
ES-Z24-091103A	278	11/25/09	63217	Y		
ES-Z24-091103B	270	11/25/09	63217	Y	274	3
ES-Z25-091104A	273	11/25/09	63217	Y		
ES-Z25-091104B	281	11/25/09	63217	Y	277	3
ES-Z26-091105A	256	12/7/09	63407	Y		
ES-Z26-091105B	243	12/7/09	63407	Y	250	5
ES-Z27-091106A	257	12/7/09	63407	Y		
ES-Z27-091106B	258	12/7/09	63407	Y	258	0
WS-Z29-091217A	265	1/6/10	63972	Y		
WS-Z29-091217B	267	1/6/10	63972	Y	266	1
WS-Z30-091230A	233	1/20/10	64130	Y		
WS-Z30-091230B	254	1/20/10	64130	Y	244	9
WS-Z31-100107A	248	1/20/10	64208	Y		
WS-Z31-100107B	248	1/20/10	64208	Y	248	0

Table Zn-5: Zinc EQIS CRMs (continued)

WS-Z32-100113A	266	1/26/10	64335	Y		
WS-Z32-100113B	271	1/26/10	64335	Y	269	2
ES-Z33-100225A	282	3/5/10	65038	Y		
ES-Z33-100225B	277	3/5/10	65038	Y	280	2

Analysis of EQIS CRMs	
Mean	250.339
Median	250.500
Standard Deviation	21.293
Sample Variance	453.392
Kurtosis	1.228
Skewness	-0.575
Range	115.000
Minimum	178.000
Maximum	293.000
Sum	14019.000
Count	56.000
Largest(2)	286.000
Smallest(2)	212.000

RPD of EQIS CRMs	
Mean	4.389
Median	2.904
Standard Deviation	5.093
Sample Variance	25.939
Kurtosis	8.714
Skewness	2.758
Range	24.198
Minimum	0.000
Maximum	24.198
Sum	122.885
Count	28.000
Largest(2)	16.257
Smallest(2)	0.388

Table Zn-6: Zinc Laboratory MS and LCS					
Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
96	49187	7	90	7160081	4
86	49189	8	104	49187	7
102	49537	28	93	49189	8
101	49539	30	102	49537	28
95	54626-627	68	106	49539	30
90	54821-822	71	93	54626-627	68
90	54891-892	77	92	54821-822	71
91	54915-916	78	97	54891-892	77
85	57101	113	96	54915-916	78
89	57225	115	92	57101	113
84	57448	120	95	57225	115
80	57791	140	90	57448	120
81	57849	141	88	57791	140
74	58138	143	93	57849	141
109	58214	155	82	58138	143
106	58564	161	102	58214	155
100	58730	169	98	58564	161
87	59166	173	94	58730	169
86	59383	182	94	59166	173
88	59622	194	93	59383	182
83	59759	197	103	59622	194
73	59891	206	89	59759	197
86	60090	218	84	59891	206
92	60441	222	88	60090	218
92	61416	247	103	60441	222
90	61792	253	104	61416	247
94	62500	260	103	61792	253
85	62756	266	106	62500	260
75	62993	272	100	62756	266
91	63217	282	90	62993	272
88	63407	289	105	63217	282
87	63407	289	94	63407	289
92	63530	292	100	63530	292
90	63972	304	96	63972	304
85	64130	322	94	64130	322
77	64208	320	95	64208	320
77	64335	329	89	64335	329
82	64437	342	100	64437	342
92	65038	350	106	65038	350
73	70144	368	80	70144	368
Average MS Recovery = 88 %			Average LCS Recovery = 96 %		
Minimum MS Recovery = 73 %			Minimum LCS Recovery = 80 %		

Table Zn-6: Zinc Laboratory MS and LCS (Graph)

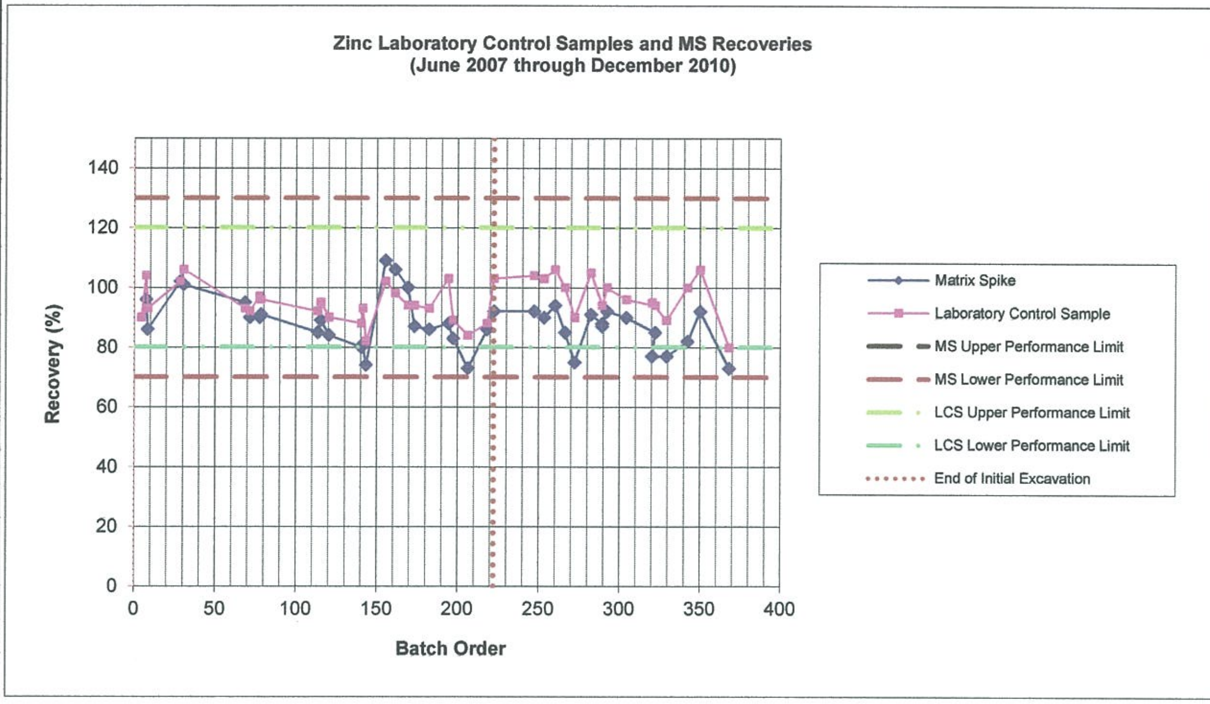
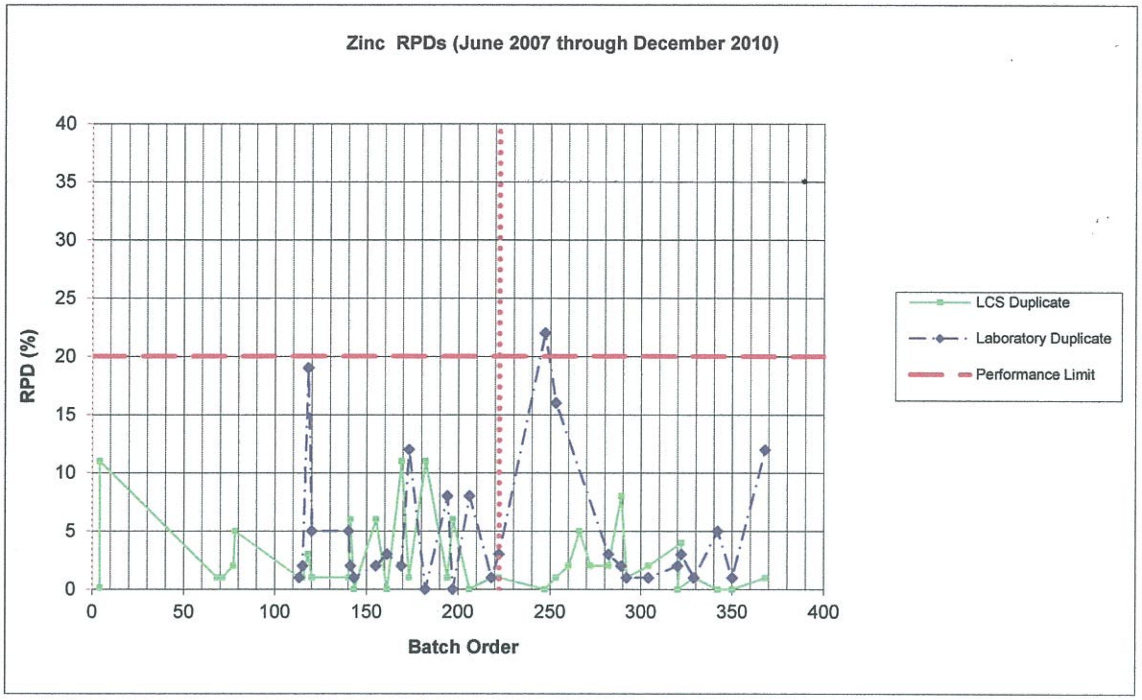


Table Zn-7: Zinc - Laboratory Duplicates and LCS Duplicates

Laboratory Duplicate RPD	Batch	Order	LCS Duplicate RPD	Batch	Order
1	57101	113	0.13	7160081	4
2	57225	115	11	7160081	4
19	57431	118	1	54626-627	68
5	57448	120	1	54821-822	71
5	57791	140	2	54891-892	77
2	57849	141	5	54915-916	78
1	58138	143	1	57101	113
2	58214	155	1	57225	115
3	58564	161	3	57431	118
2	58730	169	1	57448	120
12	59166	173	1	57791	140
0	59383	182	6	57849	141
8	59622	194	0	58138	143
0	59759	197	6	58214	155
8	59891	206	0	58564	161
1	60090	218	11	58730	169
3	60441	222	1	59166	173
22	61416	247	11	59383	182
16	61792	253	1	59622	194
3	63217	282	6	59759	197
2	63407	289	0	59891	206
1	63530	292	1	60090	218
1	63972	304	1	60441	222
2	64208	320	0	61416	247
3	64130	322	1	61792	253
1	64335	329	2	62500	260
5	64437	342	5	62756	266
1	65038	350	2	62993	272
12	70144	368	2	63217	282
			8	63407	289
			1	63530	292
			2	63972	304
			4	64130	322
			0	64208	320
			1	64335	329
			0	64437	342
			0	65038	350
			1	70144	368
Average Duplicate RPD =	5	%	Average LCS RPD =	3	%
Maximum Duplicate RPD =	22	%	Maximum LCS RPD =	11	%

Table Zn-7: Zinc - Laboratory Duplicates and LCS Duplicates (Graph)



ZINC CVS Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	A1	ES-A01-090910	ZINC	78.7	09/28/09	61416	Y	ES-A01-090910
East Site	A1	ES-A01-102109	ZINC	73.1	11/18/09	62993	Y	DUP-40
East Site	B1	ES-B01-080623	ZINC	66.1	05/03/09	57101	Y	ES-B01-080623
East Site	C1	ES-C01-080624	ZINC	60.2	05/03/09	57101	Y	ES-C01-080624
East Site	C1	ES-C01-090910	ZINC	65.3	09/28/09	61416	Y	ES-C01-090910
East Site	C1	ES-C01-090910	ZINC	67.6	12/07/09	63407	Y	DUP-39
East Site	D1	ES-D01-080624	ZINC	58.5	06/05/09	58138	Y	ES-D01-080624
East Site	E1	ES-E01-090910	ZINC	62.9	09/28/09	61416	Y	ES-E01-090910
East Site	E2	ES-E02-090910	ZINC	73.3	09/28/09	61416	Y	ES-E02-090910
East Site	F1	ES-F01-080529	ZINC	92.4	05/04/09	57431	Y	DUP-17
East Site	F1	ES-F01-080529	ZINC	63.5	05/06/09	57448	Y	ES-F01-080529
East Site	G1	ES-G01-080529	ZINC	56.5	05/06/09	57448	Y	ES-G01-080529
East Site	G2	ES-G02-080605	ZINC	66	05/06/09	57448	Y	ES-G02-080605
East Site	H1	ES-H01-080528	ZINC	84.6	05/06/09	57448	Y	ES-H01-080528
East Site	H1	ES-H01-091105	ZINC	63.6	12/07/09	63407	Y	ES-H01-091105
East Site	H2	ES-H02-080515	ZINC	70.5	05/06/09	57448	Y	ES-H02-080515
East Site	H3	ES-H03-080605	ZINC	68.2	05/27/09	57791	Y	ES-H03-080605
East Site	I1	ES-I01-080529	ZINC	92	05/27/09	57791	Y	ES-I01-080529
East Site	I1	ES-I01-091105	ZINC	66	12/07/09	63407	Y	ES-I01-091105
East Site	I2	ES-I02-080514	ZINC	74	05/27/09	57791	Y	ES-I02-080514
East Site	I3	ES-I03-080513	ZINC	66.1	05/27/09	57791	Y	ES-I03-080513
East Site	I4	ES-I04-080602	ZINC	153	05/27/09	57791	Y	ES-I04-080602
East Site	I4	ES-I04-091106	ZINC	63.7	12/07/09	63407	Y	ES-I04-091106
East Site	J1	ES-J01-080529	ZINC	77.3	05/27/09	57791	Y	ES-J01-080529
East Site	J2	ES-J02-080527	ZINC	69.9	05/06/09	57448	Y	DUP-15
East Site	J2	ES-J02-080527	ZINC	86.7	05/27/09	57791	Y	ES-J02-080527
East Site	J2	ES-J02-091105	ZINC	57.9	12/07/09	63407	Y	ES-J02-091105
East Site	J3	ES-J03-080513	ZINC	95.7	05/03/09	57101	Y	DUP-11
East Site	J3	ES-J03-080513	ZINC	110	06/19/09	58564	Y	ES-J03-080513
East Site	J3	ES-J03-091103	ZINC	68.3	11/25/09	63217	Y	ES-J03-091103
East Site	J4	ES-J04-080530	ZINC	92	05/06/09	57448	Y	DUP-18
East Site	J4	ES-J04-080530	ZINC	110	05/27/09	57791	Y	ES-J04-080530
East Site	J4	ES-J04-091103	ZINC	74.5	11/25/09	63217	Y	ES-J04-091103
East Site	J5	ES-J05-080602	ZINC	942	05/27/09	57791	Y	ES-J05-080602
East Site	J5	ES-J05-091124	ZINC	95.3	12/14/09	63530	Y	ES-J05-091124
East Site	J5	ES-J05-091124	ZINC	92	01/20/10	64130	Y	DUP-45
East Site	J5	ES-J05-100112	ZINC	77.3	01/26/10	64335	Y	ES-J05-100112
East Site	K1	ES-K01-080602	ZINC	67.7	05/27/09	57791	Y	ES-K01-080602
East Site	K2	ES-K02-080602	ZINC	76.5	05/06/09	57448	Y	ES-K02-080602
East Site	K2	ES-K02-091103	ZINC	77.2	11/25/09	63217	Y	ES-K02-091103
East Site	K2	ES-K02-091103	ZINC	81.3	01/26/10	64335	Y	DUP-47
East Site	K3	ES-K03-080514	ZINC	241	05/27/09	57791	Y	ES-K03-080514

ZINC CVS Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	K3	ES-K03-091103	ZINC	73.3	11/25/09	63217	Y	ES-K03-091103
East Site	K4	ES-K04-080527	ZINC	66.5	05/28/09	57849	Y	ES-K04-080527
East Site	K5	ES-K05-080605	ZINC	68.1	05/28/09	57849	Y	DUP-19
East Site	K5	ES-K05-080605	ZINC	60.8	05/28/09	57849	Y	ES-K05-080605
East Site	K7	ES-K07-080611	ZINC	157	05/04/09	57431	Y	ES-K07-080611
East Site	K7	ES-K07-090924	ZINC	167	10/06/09	61792	Y	ES-K07-090924
East Site	K7	ES-K07-091123	ZINC	96.2	12/14/09	63530	Y	ES-K07-091123
East Site	L1	ES-L01-080625	ZINC	66	05/28/09	57849	Y	ES-L01-080625
East Site	L2	ES-L02-080625	ZINC	67.7	05/28/09	57849	Y	ES-L02-080625
East Site	L3	ES-L03-080604	ZINC	78.1	05/28/09	57849	Y	ES-L03-080604
East Site	L3	ES-L03-091104	ZINC	78.1	11/25/09	63217	Y	ES-L03-091104
East Site	L4	ES-L04-080604	ZINC	88.4	06/19/09	58564	Y	ES-L04-080604
East Site	L4	ES-L04-091104	ZINC	73.4	11/25/09	63217	Y	ES-L04-091104
East Site	L5	ES-L05-091104	ZINC	69.3	11/25/09	63217	Y	ES-L05-091104
East Site	L6	ES-L06-091104	ZINC	71.4	11/25/09	63217	Y	ES-L06-091104
East Site	M1	ES-M01-080527	ZINC	58.6	05/28/09	57849	Y	ES-M01-080527
East Site	M2	ES-M02-080519	ZINC	77.4	05/28/09	57849	Y	ES-M02-080519
East Site	M3	ES-M03-091022	ZINC	65.3	11/18/09	62993	Y	ES-M03-091022
East Site	M3	ES-M03-091228	ZINC	75.3	01/20/10	64130	Y	ES-M03-091228
East Site	M4	ES-M04-080515	ZINC	74.3	05/28/09	57849	Y	ES-M04-080515
East Site	M5	ES-M05-080527	ZINC	61.1	05/28/09	57849	Y	ES-M05-080527
East Site	M6	ES-M06-080520	ZINC	92.1	05/28/09	57849	Y	ES-M06-080520
East Site	M6	ES-M06-091105	ZINC	69.4	12/07/09	63407	Y	ES-M06-091105
East Site	M7	ES-M07-091105	ZINC	71.8	12/07/09	63407	Y	ES-M07-091105
East Site	M8	ES-M08-080610	ZINC	395	05/04/09	57431	Y	ES-M08-080610
East Site	M8	ES-M08-090924	ZINC	130	10/06/09	61792	Y	ES-M08-090924
East Site	M8	ES-M08-091123	ZINC	81.2	12/14/09	63530	Y	ES-M08-091123
East Site	M9	ES-M09-080611	ZINC	98.4	05/04/09	57431	Y	ES-M09-080611
East Site	N2	ES-N02-080528	ZINC	69.6	05/28/09	57849	Y	ES-N02-080528
East Site	N3	ES-N03-080520	ZINC	66.3	05/28/09	57849	Y	ES-N03-080520
East Site	N4	ES-N04-080519	ZINC	69.3	05/28/09	57849	Y	ES-N04-080519
East Site	N5	ES-N05-080519	ZINC	78.9	05/28/09	57849	Y	ES-N05-080519
East Site	N5	ES-N05-091105	ZINC	58.5	12/07/09	63407	Y	ES-N05-091105
East Site	N6	ES-N06-080527	ZINC	73.3	06/05/09	58138	Y	ES-N06-080527
East Site	N7	ES-N07-080530	ZINC	114	06/05/09	58138	Y	ES-N07-080530
East Site	N7	ES-N07-100225	ZINC	77.8	03/05/10	65038	Y	ES-N07-100225
East Site	N8	ES-N08-080610	ZINC	94	05/04/09	57431	Y	ES-N08-080610
East Site	N8	ES-N08-090924	ZINC	86.3	10/06/09	61792	Y	ES-N08-090924
East Site	N8	ES-N08-091124	ZINC	82.4	12/14/09	63530	Y	ES-N08-091124
East Site	N9	ES-N09-080610	ZINC	124	05/04/09	57431	Y	ES-N09-080610
East Site	N9	ES-N09-090924	ZINC	76.8	10/06/09	61792	Y	ES-N09-090924
East Site	N10	ES-N10-080610	ZINC	70.6	05/04/09	57431	Y	ES-N10-080610

ZINC CVS Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	O3	ES-O03-080528	ZINC	57.6	06/05/09	58138	Y	ES-O03-080528
East Site	O4	ES-O04-080515	ZINC	60.6	06/05/09	58138	Y	ES-O04-080515
East Site	O5	ES-O05-080520	ZINC	62.3	06/05/09	58138	Y	ES-O05-080520
East Site	O6	ES-O06-080529	ZINC	52.6	06/05/09	58138	Y	ES-O06-080529
East Site	O6	ES-O06-091105	ZINC	72.4	12/07/09	63407	Y	ES-O06-091105
East Site	O7	ES-O07-100225	ZINC	65.1	03/05/10	65038	Y	ES-O07-100225
East Site	O8	ES-O08-080530	ZINC	102	07/24/09	59759	Y	ES-O08-080530
East Site	O8	ES-O08-100225	ZINC	76.1	03/05/10	65038	Y	ES-O08-100225
East Site	O9	ES-O09-091014	ZINC	88.9	10/29/09	62500	Y	ES-O09-091014
East Site	O9	ES-O09-092309	ZINC	98.8	10/06/09	61792	Y	ES-O09-092309
East Site	O10	ES-O10-091014	ZINC	362	10/29/09	62500	Y	ES-O10-091014
East Site	O10	ES-O10-091123	ZINC	76.3	12/14/09	63530	Y	ES-O10-091123
East Site	O10	ES-O10-092309	ZINC	139	10/06/09	61792	Y	ES-O10-092309
East Site	P4	ES-P04-080528	ZINC	80.1	05/27/09	57791	Y	DUP-16
East Site	P4	ES-P04-080528	ZINC	63.6	06/05/09	58138	Y	ES-P04-080528
East Site	P5	ES-P05-080513	ZINC	67	06/05/09	58138	Y	ES-P05-080513
East Site	P6	ES-P06-080515	ZINC	64.8	05/27/09	57791	Y	DUP-12
East Site	P6	ES-P06-080515	ZINC	61.7	06/05/09	58138	Y	ES-P06-080515
East Site	P7	ES-P07-080519	ZINC	75	05/28/09	57849	Y	ES-P07-080519
East Site	P7	ES-P07-091022	ZINC	57.4	11/18/09	62993	Y	ES-P07-091022
East Site	P8	ES-P08-080530	ZINC	61.8	06/05/09	58138	Y	ES-P08-080530
East Site	P10	ES-P10-080606	ZINC	92.8	05/04/09	57431	Y	ES-P10-080606
East Site	P10	ES-P10-091014	ZINC	75.2	10/29/09	62500	Y	ES-P10-091014
East Site	P10	ES-P10-092309	ZINC	80.9	10/06/09	61792	Y	ES-P10-092309
East Site	P11	ES-P11-080606	ZINC	95.2	05/04/09	57431	Y	ES-P11-080606
East Site	P11	ES-P11-092309	ZINC	74.1	10/06/09	61792	Y	ES-P11-092309
East Site	Q5	ES-Q05-080520	ZINC	80.1	06/05/09	58138	Y	ES-Q05-080520
East Site	Q5	ES-Q05-091105	ZINC	74.7	12/07/09	63407	Y	ES-Q05-091105
East Site	Q6	ES-Q06-091021	ZINC	65	11/18/09	62993	Y	ES-Q06-091021
East Site	Q7	ES-Q07-091021	ZINC	67.5	11/18/09	62993	Y	ES-Q07-091021
East Site	Q7	ES-Q07-091228	ZINC	68.3	01/20/10	64130	Y	ES-Q07-091228
East Site	Q8	ES-Q08-091021	ZINC	63.4	11/18/09	62993	Y	ES-Q08-091021
East Site	Q8	ES-Q08-091228	ZINC	66	01/20/10	64130	Y	ES-Q08-091228
East Site	Q9	ES-Q09-080612	ZINC	60.5	06/05/09	58138	Y	ES-Q09-080612
East Site	Q10	ES-Q10-080606	ZINC	78.8	05/06/09	57448	Y	ES-Q10-080606
East Site	Q10	ES-Q10-091123	ZINC	69	12/14/09	63530	Y	ES-Q10-091123
East Site	Q10	ES-Q10-092309	ZINC	527	10/06/09	61792	Y	ES-Q10-092309
East Site	Q11	ES-Q11-080606	ZINC	61	05/06/09	57448	Y	ES-Q11-080606
East Site	Q17	ES-Q17-080609	ZINC	69.7	05/03/09	57101	Y	ES-Q17-080609
East Site	R5	ES-R05-080521	ZINC	96.8	06/05/09	58138	Y	ES-R05-080521
East Site	R5	ES-R05-091105	ZINC	73	12/07/09	63407	Y	ES-R05-091105
East Site	R6	ES-R06-080521	ZINC	72.9	06/19/09	58564	Y	ES-R06-080521

ZINC CVS Results from 12/16/2010 database								
Site	quarter_acre _grid	sample_location	chemical_name	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	R7	ES-R07-080521	ZINC	62.6	06/11/09	58214	Y	ES-R07-080521
East Site	R8	ES-R08-091021	ZINC	63.1	11/18/09	62993	Y	ES-R08-091021
East Site	R8	ES-R08-091021	ZINC	64.3	01/20/10	64208	Y	DUP-46
East Site	R9	ES-R09-080520	ZINC	61.4	06/11/09	58214	Y	ES-R09-080520
East Site	R10	ES-R10-080602	ZINC	58.6	06/11/09	58214	Y	ES-R10-080602
East Site	R11	ES-R11-080605	ZINC	70.8	05/06/09	57448	Y	ES-R11-080605
East Site	R11	ES-R11-090910	ZINC	71.6	09/28/09	61416	Y	ES-R11-090910
East Site	R11	ES-R11-090910	ZINC	76.5	10/29/09	62500	Y	DUP-38
East Site	R12	ES-R12-080611	ZINC	60	05/06/09	57448	Y	ES-R12-080611
East Site	R16	ES-R16-080605	ZINC	58.2	05/03/09	57101	Y	ES-R16-080605
East Site	R17	ES-R17-080606	ZINC	59.9	05/03/09	57101	Y	ES-R17-080606
East Site	S5	ES-S05-080521	ZINC	70.8	06/11/09	58214	Y	ES-S05-080521
East Site	S6	ES-S06-080521	ZINC	63.6	06/11/09	58214	Y	ES-S06-080521
East Site	S7	ES-S07-080521	ZINC	66.5	06/11/09	58214	Y	ES-S07-080521
East Site	S8	ES-S08-091015	ZINC	76.4	10/29/09	62500	Y	ES-S08-091015
East Site	S9	ES-S09-080522	ZINC	62.6	06/11/09	58214	Y	ES-S09-080522
East Site	S10	ES-S10-080523	ZINC	58.6	06/11/09	58214	Y	ES-S10-080523
East Site	S11	ES-S11-080528	ZINC	61.6	06/11/09	58214	Y	ES-S11-080528
East Site	S12	ES-S12-080609	ZINC	62.4	05/03/09	57101	Y	ES-S12-080609
East Site	S13	ES-S13-080610	ZINC	54	05/03/09	57101	Y	ES-S13-080610
East Site	S17	ES-S17-090910	ZINC	90.7	09/25/09	61416	Y	ES-S17-090910
East Site	S17	ES-S17-090910	ZINC	74.6	10/06/09	61792	Y	DUP-37
East Site	S18	ES-S18-080606	ZINC	57.6	05/03/09	57101	Y	ES-S18-080606
East Site	T7	ES-T07-080612	ZINC	59.3	06/11/09	58214	Y	ES-T07-080612
East Site	T8	ES-T08-080522	ZINC	61.6	06/05/09	58138	Y	DUP-13
East Site	T8	ES-T08-080522	ZINC	66.7	06/11/09	58214	Y	ES-T08-080522
East Site	T9	ES-T09-080522	ZINC	73.7	06/11/09	58214	Y	ES-T09-080522
East Site	T10	ES-T10-080523	ZINC	102	06/11/09	58214	Y	ES-T10-080523
East Site	T10	ES-T10-080523	ZINC	106	06/11/09	58214	Y	DUP-14
East Site	T10	ES-T10-091015	ZINC	73.3	10/29/09	62500	Y	ES-T10-091015
East Site	T11	ES-T11-080530	ZINC	59.7	06/11/09	58214	Y	ES-T11-080530
East Site	T12	ES-T12-080609	ZINC	54	05/03/09	57101	Y	ES-T12-080609
East Site	T13	ES-T13-080609	ZINC	60.3	05/03/09	57101	Y	ES-T13-080609
East Site	T14	ES-T14-080610	ZINC	56.4	05/03/09	57101	Y	ES-T14-080610
East Site	U10	ES-U10-080523	ZINC	63.2	06/11/09	58214	Y	ES-U10-080523
East Site	U11	ES-U11-080602	ZINC	63.6	06/19/09	58564	Y	ES-U11-080602
East Site	U13	ES-U13-080610	ZINC	77.3	05/04/09	57431	Y	ES-U13-080610
East Site	U14	ES-U14-080610	ZINC	106	05/04/09	57431	Y	ES-U14-080610
East Site	V11	ES-V11-080529	ZINC	71.1	06/19/09	58564	Y	ES-V11-080529
East Site	V14	ES-V14-080605	ZINC	72.9	05/04/09	57431	Y	ES-V14-080605
East Site	W12	ES-W12-080527	ZINC	108	06/19/09	58564	Y	ES-W12-080527
West Site	A4	WS-A04-080626	ZINC	98.7	07/11/09	59383	Y	WS-A04-080626

ZINC CVS Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	B2	WS-B02-100120	ZINC	68.2	02/05/10	64437	Y	WS-B02-100120
West Site	B3	WS-B03-080502	ZINC	72.1	07/11/09	59383	Y	WS-B03-080502
West Site	B4	WS-B04-080626	ZINC	63.7	07/11/09	59383	Y	WS-B04-080626
West Site	B5	WS-B05-080626	ZINC	63.1	07/24/09	59759	Y	WS-B05-080626
West Site	C1	WS-C01-080501	ZINC	92.8	06/19/09	58564	Y	DUP-3
West Site	C1	WS-C01-080501	ZINC	92.7	06/19/09	58564	Y	WS-C01-080501
West Site	C2	WS-C02-080428	ZINC	78.9	07/24/09	59622	Y	WS-C02-080428
West Site	C2	WS-C02-100120	ZINC	63.4	02/05/10	64437	Y	WS-C02-100120
West Site	C3	WS-C03-080620	ZINC	79.9	07/24/09	59622	Y	WS-C03-080620
West Site	C4	WS-C04-080623	ZINC	80.1	07/24/09	59622	Y	WS-C04-080623
West Site	C5	WS-C05-080620	ZINC	72.2	07/24/09	59759	Y	WS-C05-080620
West Site	C5	WS-C05-100112	ZINC	70.3	01/26/10	64335	Y	WS-C05-100112
West Site	C6	WS-C06-080624	ZINC	74.8	07/24/09	59759	Y	WS-C06-080624
West Site	C6	WS-C06-091013	ZINC	80.9	10/29/09	62500	Y	WS-C06-091013
West Site	D1	WS-D01-080430	ZINC	105	06/19/09	58564	Y	WS-D01-080430
West Site	D2	WS-D02-080429	ZINC	67.4	07/11/09	59383	Y	DUP-2
West Site	D2	WS-D02-080429	ZINC	79.1	07/24/09	59622	Y	WS-D02-080429
West Site	D3	WS-D03-080620	ZINC	84.9	07/24/09	59622	Y	WS-D03-080620
West Site	D4	WS-D04-080623	ZINC	84.8	08/17/09	60441	Y	WS-D04-080623
West Site	D4	WS-D04-091230	ZINC	63.9	01/20/10	64130	Y	WS-D04-091230
West Site	D5	WS-D05-080620	ZINC	74.2	07/24/09	59759	Y	WS-D05-080620
West Site	D5	WS-D05-100111	ZINC	75.1	01/26/10	64335	Y	WS-D05-100111
West Site	D6	WS-D06-080619	ZINC	67.8	07/24/09	59759	Y	WS-D06-080619
West Site	D6	WS-D06-091013	ZINC	93	10/29/09	62500	Y	WS-D06-091013
West Site	D7	WS-D07-080619	ZINC	77.4	07/24/09	59759	Y	WS-D07-080619
West Site	D7	WS-D07-091013	ZINC	78.4	10/29/09	62500	Y	WS-D07-091013
West Site	E1	WS-E01-080430	ZINC	96.1	06/19/09	58564	Y	WS-E01-080430
West Site	E2	WS-E02-080428	ZINC	91.1	07/11/09	59383	Y	DUP-1
West Site	E2	WS-E02-080428	ZINC	109	07/24/09	59622	Y	WS-E02-080428
West Site	E2	WS-E02-100115	ZINC	74.6	02/05/10	64437	Y	WS-E02-100115
West Site	E3	WS-E03-080619	ZINC	72.4	07/24/09	59622	Y	WS-E03-080619
West Site	E4	WS-E04-080613	ZINC	69.7	07/24/09	59759	Y	WS-E04-080613
West Site	E4	WS-E04-091230	ZINC	60.1	01/20/10	64130	Y	WS-E04-091230
West Site	E5	WS-E05-080613	ZINC	68.7	07/24/09	59759	Y	WS-E05-080613
West Site	E5	WS-E05-100111	ZINC	80.7	01/26/10	64335	Y	WS-E05-100111
West Site	E6	WS-E06-080613	ZINC	66	07/24/09	59759	Y	WS-E06-080613
West Site	E6	WS-E06-091228	ZINC	66.5	01/20/10	64130	Y	WS-E06-091228
West Site	E7	WS-E07-080613	ZINC	78.9	07/24/09	59759	Y	WS-E07-080613
West Site	E7	WS-E07-091228	ZINC	67	01/20/10	64130	Y	WS-E07-091228
West Site	E8	WS-E08-091228	ZINC	67.6	01/20/10	64130	Y	WS-E08-091228
West Site	F1	WS-F01-080429	ZINC	119	06/19/09	58564	Y	WS-F01-080429
West Site	F1	WS-F01-100115	ZINC	64.9	02/05/10	64437	Y	WS-F01-100115

ZINC CVS Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	F2	WS-F02-080429	ZINC	140	07/24/09	59622	Y	WS-F02-080429
West Site	F2	WS-F02-100115	ZINC	87.8	02/05/10	64437	Y	WS-F02-100115
West Site	F3	WS-F03-080619	ZINC	123	07/24/09	59622	Y	WS-F03-080619
West Site	F3	WS-F03-100115	ZINC	71.6	02/05/10	64437	Y	WS-F03-100115
West Site	F4	WS-F04-080616	ZINC	183	08/05/09	59891	Y	WS-F04-080616
West Site	F4	WS-F04-091230	ZINC	64.4	01/20/10	64130	Y	WS-F04-091230
West Site	F5	WS-F05-080612	ZINC	86	08/18/09	60441	Y	WS-F05-080612
West Site	F5	WS-F05-100111	ZINC	76.4	01/26/10	64335	Y	WS-F05-100111
West Site	F6	WS-F06-080612	ZINC	76.2	07/30/09	59891	Y	WS-F06-080612
West Site	F6	WS-F06-091228	ZINC	71.5	01/20/10	64130	Y	WS-F06-091228
West Site	F7	WS-F07-080617	ZINC	82	06/30/09	58730	Y	WS-F07-080617
West Site	F8	WS-F08-080618	ZINC	99.5	06/30/09	58730	Y	WS-F08-080618
West Site	G1	WS-G01-080501	ZINC	129	06/19/09	58564	Y	DUP-4
West Site	G1	WS-G01-080501	ZINC	98.6	06/30/09	58730	Y	WS-G01-080501
West Site	G1	WS-G01-100113	ZINC	78.8	01/26/10	64335	Y	WS-G01-100113
West Site	G1	WS-G01-100223	ZINC	85.4	03/05/10	65038	Y	WS-G01-100223
West Site	G2	WS-G02-080618	ZINC	114	07/24/09	59622	Y	WS-G02-080618
West Site	G2	WS-G02-100113	ZINC	75.6	01/26/10	64335	Y	WS-G02-100113
West Site	G3	WS-G03-080619	ZINC	67.6	07/24/09	59622	Y	WS-G03-080619
West Site	G4	WS-G04-080616	ZINC	67.5	07/30/09	59891	Y	WS-G04-080616
West Site	G5	WS-G05-100108	ZINC	77.6	01/20/10	64208	Y	WS-G05-100108
West Site	G5	WS-G05-100223	ZINC	85.9	03/05/10	65038	Y	WS-G05-100223
West Site	G6	WS-G06-080616	ZINC	74.7	07/30/09	59891	Y	WS-G06-080616
West Site	G6	WS-G06-100107	ZINC	70.4	01/20/10	64208	Y	WS-G06-100107
West Site	G7	WS-G07-080617	ZINC	175	06/30/09	58730	Y	WS-G07-080617
West Site	G7	WS-G07-100105	ZINC	75.7	01/20/10	64208	Y	WS-G07-100105
West Site	H1	WS-H01-080501	ZINC	114	06/30/09	58730	Y	WS-H01-080501
West Site	H2	WS-H02-080618	ZINC	99.6	07/24/09	59622	Y	WS-H02-080618
West Site	H2	WS-H02-100113	ZINC	77	01/26/10	64335	Y	WS-H02-100113
West Site	H3	WS-H03-080619	ZINC	61.8	07/30/09	59891	Y	WS-H03-080619
West Site	H4	WS-H04-080616	ZINC	66.3	07/30/09	59891	Y	WS-H04-080616
West Site	H5	WS-H05-100107	ZINC	70.9	01/20/10	64208	Y	WS-H05-100107
West Site	H6	WS-H06-080617	ZINC	95.2	06/30/09	58730	Y	WS-H06-080617
West Site	I1	WS-I01-080501	ZINC	90.7	06/30/09	58730	Y	DUP-5
West Site	I1	WS-I01-080501	ZINC	95.2	06/30/09	58730	Y	WS-I01-080501
West Site	I1	WS-I01-091013	ZINC	94.1	10/29/09	62500	Y	WS-I01-091013
West Site	I2	WS-I02-080618	ZINC	94.4	07/24/09	59759	Y	WS-I02-080618
West Site	I2	WS-I02-091014	ZINC	112	10/29/09	62500	Y	WS-I02-091014
West Site	I2	WS-I02-100113	ZINC	72.9	01/26/10	64335	Y	WS-I02-100113
West Site	I3	WS-I03-080618	ZINC	75.3	07/30/09	59891	Y	WS-I03-080618
West Site	I3	WS-I03-091013	ZINC	98.2	10/29/09	62500	Y	WS-I03-091013
West Site	I3	WS-I03-100113	ZINC	66.8	01/26/10	64335	Y	WS-I03-100113

ZINC CVS Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	I4	WS-I04-080617	ZINC	73	07/30/09	59891	Y	WS-I04-080617
West Site	I4	WS-I04-100106	ZINC	62.9	01/20/10	64208	Y	WS-I04-100106
West Site	I5	WS-I05-080617	ZINC	102	06/30/09	58730	Y	WS-I05-080617
West Site	I5	WS-I05-091013	ZINC	103	10/29/09	62500	Y	WS-I05-091013
West Site	I5	WS-I05-100107	ZINC	71.7	01/20/10	64208	Y	WS-I05-100107
West Site	I6	WS-I06-080617	ZINC	176	06/30/09	58730	Y	WS-I06-080617
West Site	I6	WS-I06-100105	ZINC	72.5	01/20/10	64208	Y	WS-I06-100105
West Site	J1	WS-J01-080505	ZINC	114	06/30/09	58730	Y	WS-J01-080505
West Site	J1	WS-J01-080505	ZINC	122	06/30/09	58730	Y	DUP-6
West Site	J1	WS-J01-091013	ZINC	140	10/29/09	62500	Y	WS-J01-091013
West Site	J1	WS-J01-100112	ZINC	73.5	01/26/10	64335	Y	WS-J01-100112
West Site	J2	WS-J02-080624	ZINC	92.4	06/30/09	58730	Y	WS-J02-080624
West Site	J2	WS-J02-100112	ZINC	79.3	01/26/10	64335	Y	WS-J02-100112
West Site	J3	WS-J03-080620	ZINC	97.6	07/08/09	59166	Y	WS-J03-080620
West Site	J4	WS-J04-080617	ZINC	131	07/08/09	59166	Y	WS-J04-080617
West Site	J4	WS-J04-100106	ZINC	80.5	01/20/10	64208	Y	WS-J04-100106
West Site	J5	WS-J05-080618	ZINC	97.6	07/08/09	59166	Y	WS-J05-080618
West Site	K1	WS-K01-080505	ZINC	96.5	07/08/09	59166	Y	WS-K01-080505
West Site	K1	WS-K01-091013	ZINC	120	10/29/09	62500	Y	WS-K01-091013
West Site	K2	WS-K02-080509	ZINC	91.4	07/08/09	59166	Y	WS-K02-080509
West Site	K3	WS-K03-080509	ZINC	88.4	07/08/09	59166	Y	WS-K03-080509
West Site	K4	WS-K04-080513	ZINC	124	07/08/09	59166	Y	WS-K04-080513
West Site	K4	WS-K04-080513	ZINC	149	07/24/09	59759	Y	DUP-10
West Site	K4	WS-K04-100106	ZINC	74.6	01/20/10	64208	Y	WS-K04-100106
West Site	K5	WS-K05-080509	ZINC	77.6	07/08/09	59166	Y	WS-K05-080509
West Site	L1	WS-L01-080505	ZINC	80.5	07/08/09	59166	Y	WS-L01-080505
West Site	L2	WS-L02-080508	ZINC	79	07/08/09	59166	Y	WS-L02-080508
West Site	L3	WS-L03-080508	ZINC	79.3	07/08/09	59166	Y	WS-L03-080508
West Site	L4	WS-L04-080508	ZINC	77.7	07/08/09	59166	Y	WS-L04-080508
West Site	L4	WS-L04-080508	ZINC	75.1	07/08/09	59166	Y	DUP-9
West Site	M1	WS-M01-080505	ZINC	89.4	07/08/09	59166	Y	DUP-7
West Site	M1	WS-M01-080505	ZINC	88.2	07/08/09	59166	Y	WS-M01-080505
West Site	M2	WS-M02-080507	ZINC	86.7	07/24/09	59759	Y	WS-M02-080507
West Site	M3	WS-M03-080507	ZINC	177	07/24/09	59622	Y	DUP-8
West Site	M3	WS-M03-080507	ZINC	275	08/11/09	60090	Y	WS-M03-080507
West Site	M3	WS-M03-091217	ZINC	71.3	01/06/10	63972	Y	WS-M03-091217
West Site	M3	WS-M03-091217	ZINC	70.6	03/05/10	65038	Y	DUP-48
West Site	M4	WS-M04-080507	ZINC	238	08/11/09	60090	Y	WS-M04-080507
West Site	M4	WS-M04-091218	ZINC	57.7	01/06/10	63972	Y	WS-M04-091218
West Site	M4	WS-M04-091218	ZINC	53.9	01/20/10	64130	Y	DUP-44
West Site	N1	WS-N01-080506	ZINC	81	08/11/09	60090	Y	WS-N01-080506
West Site	N2	WS-N02-080506	ZINC	69.6	07/11/09	59383	Y	WS-N02-080506

ZINC CVS Results from 12/16/2010 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	N3	WS-N03-080507	ZINC	72.7	06/30/09	58730	Y	WS-N03-080507
West Site	O1	WS-O01-080506	ZINC	59.1	07/11/09	59383	Y	WS-O01-080506
West Site	O2	WS-O02-080506	ZINC	49.4	07/11/09	59383	Y	WS-O02-080506

Table PCBs-1: PCBs Data Quality Summary			
Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	48%	Aroclor 1260
Minimum Matrix Spike Recovery	greater than 50%	36%	Aroclor 1260
Minimum Surrogate Recovery	greater than 50%	19%	Tetrachloro-m-xylene
Average LCS Recovery	N/A	94%	Aroclor 1260
Average Matrix Spike Recovery	N/A	105%	Aroclor 1260
Average Surrogate Recovery	N/A	84%	Tetrachloro-m-xylene
Maximum MSD RPD	less than 35%	32%	Aroclor 1260
Average MSD RPD	N/A	6%	Aroclor 1260
Measurement Quality Objectives	Critera	Measured	
DOI CRM	Aroclor 1260 minimum .59	Minimum Recovery =	0.06 mg/kg
EQIS CRM	Aroclor 1254 minimum .22	Minimum Recovery =	0.34 mg/kg
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	177 % Arocl 1260
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	36 %
Overall QC Indicator Measurements	Criteria	Measured	
DOI CRM "Made to" (Bias measure)	Aroclor 1254	Average Recovery =	80.0 %
DOI Replicate Test (Precision measure)	See Note 1	Standard Deviation =	0.015 mg/kg
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal		0.075 mg/kg	
Tier 2 Remediation Goal		None	
QC Derived Reliance Level		0.059 mg/kg See Note 2	

Comments: The minimum matrix spike recovery (48%) is associated with batch 7129050. This batch did not include any CVS samples and, therefore, this low recovery is not indicative of data used for decision making. The second lowest matrix spike recovery (85%) is greater than the minimum established as laboratory performance criteria (50%). This, together with a good average matrix spike recovery (102%), indicates that matrix interference in the measurement of PCB's is unlikely. Low minimum LCS recovery (73%), accompanied by good average LCS recovery (94%), suggest infrequent performance problems. Low minimum surrogate recovery (41%) accompanied by low, but much better than average surrogate recovery (85%), indicates that measurement accuracy may be occasionally but infrequently compromised. A low average matrix spike RPD (6%) and all RPD measurements achieving laboratory performance criteria (less than 35%) indicate good measurement precision from the instrument. Low average NPS CRM recovery (80% for Aroclor 1254) accompanied by a minimum recovery for Aroclor 1260 (0.57mg/kg) that is less than the vendors minimum acceptance limit (0.59 mg/kg) suggests a bias towards low measurements. High maximum CVS split RPD (177%) and the maximum CRM split RPD (72%) indicate compromised measurement precision at concentrations near the RG. The derived reliance level (0.059 mg/kg) is less than the RG, due to less than optimal accuracy and precision. [Continued on next page]

Note 1: The standard deviation is determined from results of repeated Aroclor 1254 analysis of splits of the same sample. The value 0.015 mg/kg is estimated to represent the standard deviation for analyses near the RG and is calculated as the product of the ratio of standard deviation to the estimated mean (0.028/0.14) and the RG (0.075 mg/kg).

Note 2: Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (.075)(1.2)(.797)-(0.84)(.015) = 0.059 mg/kg

Table PCBs-1: PCBs Data Quality Summary (continued)
Comment from previous page continued: Evaluation of individual data points reveals that the less reliable PCBs CVS results were superseded (except for grids discussed in the next paragraph), because they pertain to grids that underwent subsequent excavation and CVS that produced acceptable results. All PCBs CVS results that are necessary for the RG achievement decision in each grid were below the derived reliance level (except for grids discussed in the next paragraph) so for these grids, confidence that the PCBs RG was achieved is not compromised. For all but 12 grids, it was concluded in the previous paragraph that the PCB CVS measurements following final excavation are below both the RG and the reliance level, establishing that these measurements are of acceptable quality for RG achievement decisions. PCB measurements for six (6) grids (West Site grids E2, F2, F6 and East Site grids J3, Q5, and R5) are below the RG but above the RL; these grids have since been re-excavated, which likely further reduced PCB concentrations, adding sufficient confidence to the CVS results indicating RG achievement. The PCB CVS measurements for two (2) additional grids (West Site grid L2 and East Site grid R5) are below the RG but above the RL for Aroclor 1256 and Aroclor 1242, respectively; additional and sufficient confidence in these CVS measurements is provided by the existence of previous PCB CVS measurements in these grids that were below both the RG and RL for these two Aroclors. The PCB CVS measurements for four (4) additional grids (East Site grids B1, H2, O4 and O5) are below the RG and above the RL. The acceptability of PCBs data for these four grids is subject to the following logic. When developing RGs, it was understood that imprecision could result in concentrations near the RG exhibiting measurements above and below the RG with nearly equal likelihood. The fact that a few CVS would likely demonstrate a PCB Aroclor concentration below, but near to, the RG following remediation was anticipated when RGs were developed and when CVS objectives were established and is therefore acceptable. A limited number of decisions (four) with diminished decision-making confidence was, therefore, considered likely and acceptable. Based on the foregoing it is concluded that compromised confidence in the PCBs CVS results for the grids discussed in the previous paragraph is acceptable. It is concluded, therefore, that the PCBs CVS measurements that are necessary to the evaluation of RG achievement are of acceptable quality and may be used to determine RG achievement.

Table PCBs-2: PCBs - DOI CRMs

Blind DOI CRM Results

Sample	Result	Analysis Date	Batch	Aroclor	Detect
BOR Sample 1-BOR 51	0.087	6/3/08	50226	1254	Y
BOR SAMPLES 76,79,82	0.1	6/27/08	50837	1254	Y
BOR 103,97,100,106	0.075	7/10/08	51067	1254	Y
BOR204	0.1	11/25/08	54431	1254	Y
BOR202	0.1	11/26/08	54430	1254	Y
BOR203	0.096	11/26/08	54430	1254	Y
BOR-701	0.078	4/6/09	56714	1254	Y
BOR-702	0.072	4/6/09	56714	1254	Y
BOR 801	0.11	9/18/09	61405	1254	Y
BOR-806	0.072	11/4/09	62658	1254	Y
BOR 812	0.085	1/5/10	63989	1254	Y
BOR-821	0.09	3/8/10	65023	1254	Y
BOR 75,78,81	0.077	6/27/08	50838	1260	Y
BOR 102-96-99-105	0.089	7/9/08	51067	1260	Y
BOR-703	0.081	4/3/09	56714	1260	Y
BO 50,55,58,72	0.057	6/13/08	50461	$\boxed{1260}$	Y
BOR SAMPLE 77	0.074	7/9/08	51053	1242	Y
BOR 98	0.062	7/10/08	51067	1242	Y
BOR-803	0.096	10/6/09	61828	1242	Y
BOR-817	0.087	2/3/10	64330	1242	Y
BOR-824	0.13	6/18/10	67700	1242	Y
BOR-826	0.1	9/7/10	69729	1242	Y

☐ Indicates Aroclor was misidentified as 1254

1254 CRM		Vendor Supplied Information
Mean	0.089	*Made to*
Median	0.089	*0.111 mg/kg*
Standard Deviation	0.013	
Sample Variance	0.000	*Upper Acceptance Limit*
Kurtosis	-1.219	*0.133 mg/kg*
Skewness	0.051	
Minimum	0.072	*Lower Acceptance Limit*
Maximum	0.110	*0.047 mg/kg*

1260 CRM		Vendor Supplied Information
Mean	0.076	*Made to*
Median	0.079	*0.138 mg/kg*
Standard Deviation	0.014	
Sample Variance	0.000	*Upper Acceptance Limit*
Kurtosis	1.979	*0.160 mg/kg*
Skewness	-1.199	
Minimum	0.057	*Lower Acceptance Limit*
Maximum	0.089	*0.059 mg/kg*

1242 CRM		Vendor Supplied Information
Mean	0.092	*Made to*
Median	0.092	*0.114 mg/kg*
Standard Deviation	0.024	
Sample Variance	0.001	*Upper Acceptance Limit*
Kurtosis	0.708	*0.142 mg/kg*
Skewness	0.613	
Minimum	0.062	*Lower Acceptance Limit*
Maximum	0.130	*0.037 mg/kg*

Table PCBs-2: PCBs - DOI CRMs (continued)		
All Aroclors		Interpreted Vendor Supplied Information
Mean	0.087	*Made to weighted average*
Median	0.087	*0.12 mg/kg*
Standard Deviation	0.017	
Sample Variance	0.000	
Kurtosis	0.904	*Weighted with respect to*
Skewness	0.505	*number of samples and concentration*
Minimum	0.057	
Maximum	0.130	

Table PCBs 3: PCBs -NPS Replicate Tests on a West Site Sample

Results of Replicate Analyses of a Single Sample

Sample	Result	Analysis Date	Batch	Aroclor	Detect
BOR 93	0.091	6/27/08	50838	1254	Y
BOR 94	0.16	6/27/08	50837	1254	Y
BOR 117	0.11	7/9/08	51067	1254	Y
BOR 118	0.12	7/10/08	51067	1254	Y
BOR205	0.15	11/26/08	54430	1254	Y
BOR206	0.14	11/26/08	54430	1254	Y
BOR207	0.15	11/26/08	54430	1254	Y
BOR208	0.2	11/26/08	54430	1254	Y
BOR209	0.14	11/26/08	54431	1254	Y
BOR210	0.14	11/26/08	54431	1254	Y
BOR211	0.14	11/26/08	54431	1254	Y
BOR 93	0.006	6/27/08	50838	1260	N
BOR 94	0.006	6/27/08	50837	1260	N
BOR 117	0.006	7/9/08	51067	1260	N
BOR 118	0.006	7/10/08	51067	1260	N
BOR205	0.0061	11/25/08	54430	1260	N
BOR206	0.0061	11/25/08	54430	1260	N
BOR207	0.0061	11/25/08	54430	1260	N
BOR208	0.0061	11/25/08	54430	1260	N
BOR209	0.0061	11/25/08	54431	1260	N
BOR210	0.0061	11/25/08	54431	1260	N
BOR211	0.0061	11/25/08	54431	1260	N
BOR 93	0.01	6/27/08	50838	1242	N
BOR 94	0.01	6/27/08	50837	1242	N
BOR 117	0.01	7/9/08	51067	1242	N
BOR 118	0.01	7/10/08	51067	1242	N
BOR205	0.01	11/25/08	54430	1242	N
BOR206	0.01	11/25/08	54430	1242	N
BOR207	0.01	11/25/08	54430	1242	N
BOR208	0.01	11/25/08	54430	1242	N
BOR209	0.01	11/25/08	54431	1242	N
BOR210	0.01	11/25/08	54431	1242	N
BOR211	0.01	11/25/08	54431	1242	N

Replicate analyses of Single Sample

Aroclor	*1254*	*1260*	*1242*
Mean	0.140	All results below reporting limit	All results below reporting limit
Median	0.140		
Standard Deviation	0.028		
Sample Variance	0.001		
Kurtosis	1.663		
Skewness	0.392		
Range	0.109		
Minimum	0.091		
Maximum	0.200		
Sum	1.541		
Count	11.000		
Largest(2)	0.160		
Smallest(2)	0.110		

Table PCBs 4: Aroclor 1254 DOI and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Detect	Split	Result	Detect	Analysis Date	RPD
BOR 501	0.032	6/5/08	50261	Y	WS-L04-080508	0.029	Y	5/22/2008	10
BOR 500	0.056	6/13/08	50478	Y	WS-F01-080429	0.052	Y	5/15/2008	7
BOR 505	0.026	6/13/08	50461	Y	WS-K03-080509	0.024	Y	6/3/2008	8
BOR 504	0.077	6/27/08	50837	Y	ES-M05-080527	0.038	Y	6/5/2008	68
BOR 506	0.003	6/27/08	50838	N	ES-S10-080523	0.0031	N	6/4/2008	
BOR 507	0.17	7/9/08	51067	Y	ES-O09-080610	0.21	Y	6/27/2008	21
BOR 502	0.52	7/10/08	51068	Y	WS-F05-080612	0.51	Y	6/27/2008	2
BOR 508	0.003	7/10/08	51067	N	ES-Q11-080606	0.0031	N	6/27/2008	
BOR 509	0.003	7/10/08	51068	N	WS-E06-080613	0.0031	N	7/10/2008	
BOR 510	0.003	7/10/08	51067	N	OU-8HR-080605	0.0031	N	6/26/2008	
DUP-1	0.071	5/15/08	49802	Y	WS-E02-080428	0.072	Y	5/15/2008	1
DUP-2	0.003	5/15/08	49802	N	WS-D02-080429	0.0031	N	5/15/2008	
DUP-3	0.041	5/30/08	50156	Y	WS-C01-080501	0.045	Y	5/15/2008	9
DUP-4	0.026	5/30/08	50156	Y	WS-G01-080501	0.024	Y	5/15/2008	8
DUP-5	0.02	5/30/08	50156	Y	WS-I01-080501	0.026	Y	5/22/2008	26
DUP-7	0.003	5/30/08	50156	N	WS-M01-080505	0.017	Y	5/22/2008	138
DUP-6	0.055	6/5/08	50293	Y	WS-J01-080505	0.046	Y	5/22/2008	18
DUP-8	0.082	6/5/08	50261	Y	WS-M03-080507	0.034	Y	5/22/2008	83
DUP-9	0.032	6/5/08	50293	Y	WS-L04-080508	0.029	Y	5/22/2008	10
DUP-10	0.15	6/13/08	50461	Y	WS-K04-080513	0.15	Y	6/3/2008	0
DUP-11	0.13	6/26/08	50603	Y	ES-J03-080513	0.088	Y	6/3/2008	39
DUP-12	0.003	6/27/08	50810	N	ES-P06-080515	0.0031	N	6/3/2008	
DUP-13	0.003	6/27/08	50838	N	ES-T08-080522	0.003	N	6/4/2008	
DUP-14	0.037	6/27/08	50838	Y	ES-T10-080523	0.03	Y	6/5/2008	21
DUP-15	0.003	6/27/08	50837	N	ES-J02-080527	0.0031	N	6/5/2008	
DUP-16	0.003	7/9/08	50949	N	ES-P04-080528	0.0031	N	6/5/2008	
DUP-17	0.003	7/9/08	50949	N	ES-F01-080529	0.0031	N	6/13/2008	
DUP-18	0.003	7/9/08	51067	N	ES-J04-080530	0.0062	Y	6/13/2008	67
DUP-19	0.003	7/10/08	51067	N	ES-K05-080605	0.0031	N	6/26/2008	
DUP 21A	0.11	12/11/08	54787	Y	ES-L06-081111	0.12	Y	11/26/2008	9
DUP 23	0.027	12/11/08	54787	Y	ES-J05-081113	0.025	Y	11/26/2008	8
BOR-819	0.003	3/5/10	65023	N	WS-F05-100111	0.003	N	2/1/2010	
DUP-37	0.027	10/6/09	61828	Y	ES-S17-090910	0.04	Y	9/21/2009	39
DUP-40	0.003	11/13/09	62928	N	ES-A01-102109				
DUP-44	0.003	1/11/10	64073	N	WS-M04-091218	0.003	N	1/5/2010	
DUP-46	0.003	1/15/10	64176	N	ES-R08-091021	0.0031	N	11/5/2009	
DUP-53	0.024	10/5/10	70573	N	ES-K02-100818	0.0031	N	9/2/2010	

RPD calculated only if one or both results are above the reporting limit

RPD of Sample Splits	
Mean	28.136
Median	9.836
Mode	9.836
Standard Deviation	34.547
Sample Variance	1193.512
Kurtosis	4.256
Skewness	2.012
Minimum	0.000
Maximum	138.308
Sum	590.865
Count	21.000
Largest(2)	82.759
Smallest(2)	1.399

Table PCBs 5: Aroclor 1260 DOI and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Detect	Split	Result	Detect	Analysis Date	RPD
BOR 501	0.006	6/5/08	50261	N	WS-L04-080508	0.0061	N	5/22/2008	
BOR 500	0.006	6/13/08	50478	N	WS-F01-080429	0.0061	N	5/15/2008	
BOR 505	0.006	6/13/08	50461	N	WS-K03-080509	0.0061	N	6/3/2008	
BOR 504	0.006	6/27/08	50837	N	ES-M05-080527	0.0061	N	6/5/2008	
BOR 506	0.006	6/27/08	50838	N	ES-S10-080523	0.0061	N	6/4/2008	
BOR 507	0.1	7/9/08	51067	Y	ES-O09-080610	0.0062	Y	6/27/2008	177
BOR 502	0.006	7/10/08	51068	N	WS-F05-080612	0.0061	N	6/27/2008	
BOR 508	0.006	7/10/08	51067	N	ES-Q11-080606	0.0061	N	6/27/2008	
BOR 509	0.006	7/10/08	51068	N	WS-E06-080613	0.0061	N	7/10/2008	
BOR 510	0.006	7/10/08	51067	N	OU-8HR-080605	0.0061	N	6/26/2008	
DUP-1	0.006	5/15/08	49802	N	WS-E02-080428	0.0062	N	5/15/2008	
DUP-2	0.006	5/15/08	49802	N	WS-D02-080429	0.0062	N	5/15/2008	
DUP-3	0.006	5/30/08	50156	N	WS-C01-080501	0.0061	N	5/15/2008	
DUP-4	0.006	5/30/08	50156	N	WS-G01-080501	0.0062	N	5/15/2008	
DUP-5	0.006	5/30/08	50156	N	WS-I01-080501	0.0064	N	5/22/2008	
DUP-7	0.006	5/30/08	50156	N	WS-M01-080505	0.0062	N	5/22/2008	
DUP-6	0.006	6/5/08	50293	N	WS-J01-080505	0.0062	N	5/22/2008	
DUP-8	0.006	6/5/08	50261	N	WS-M03-080507	0.0061	N	5/22/2008	
DUP-9	0.006	6/5/08	50293	N	WS-L04-080508	0.0061	N	5/22/2008	
DUP-10	0.006	6/13/08	50461	N	WS-K04-080513	0.0061	N	6/3/2008	
DUP-11	0.006	6/26/08	50603	N	ES-J03-080513	0.0061	N	6/3/2008	
DUP-12	0.006	6/27/08	50810	N	ES-P06-080515	0.0061	N	6/3/2008	
DUP-13	0.006	6/27/08	50838	N	ES-T08-080522	0.0061	N	6/4/2008	
DUP-14	0.006	6/27/08	50838	N	ES-T10-080523	0.0061	N	6/5/2008	
DUP-15	0.006	6/27/08	50837	N	ES-J02-080527	0.0061	N	6/5/2008	
DUP-16	0.006	7/9/08	50949	N	ES-P04-080528	0.0061	N	6/5/2008	
DUP-17	0.006	7/9/08	50949	N	ES-F01-080529	0.0061	N	6/13/2008	
DUP-18	0.006	7/9/08	51067	N	ES-J04-080530	0.0062	N	6/13/2008	
DUP-19	0.006	7/10/08	51067	N	ES-K05-080605	0.0061	N	6/26/2008	
DUP 21A	0.006	12/11/08	54787	N	ES-L06-081111	0.0061	N	11/25/2008	
DUP 23	0.006	12/11/08	54787	N	ES-J05-081113	0.0061	N	11/25/2008	
BOR-819	0.006	3/5/10	65023	N	WS-F05-100111	0.0061	N	2/1/2010	
DUP-37	0.006	10/6/09	61828	N	ES-S17-090910	0.0062	N	9/21/2009	
DUP-40	0.006	11/13/09	62928	N	ES-A01-102109				
DUP-44	0.006	1/11/10	64073	N	WS-M04-091218	0.006	N	1/5/2010	
DUP-46	0.006	1/15/10	64176	N	ES-R08-091021	0.0061	N	11/5/2009	
DUP-53	0.013	10/5/10	70573	N	ES-K02-100818	0.0062	N	9/2/2010	

RPD calculated only if one or both results are above the reporting limit

RPD of Sample Splits	
Mean	176.6
Count	1

Table PCBs -6: Aroclor 1242 DOI and EQIS Duplicates									
Sample	Result	Analysis Date	Batch	Detect	Split	Result	Detect	Analysis Date	RPD
BOR 501	0.01	6/5/08	50261	N	WS-L04-080508	0.01	N	5/22/2008	
BOR 500	0.01	6/13/08	50478	N	WS-F01-080429	0.01	N	5/15/2008	
BOR 505	0.01	6/13/08	50461	N	WS-K03-080509	0.01	N	6/3/2008	
BOR 504	0.01	6/27/08	50837	N	ES-M05-080527	0.01	N	6/5/2008	
BOR 506	0.01	6/27/08	50838	N	ES-S10-080523	0.01	N	6/4/2008	
BOR 507	0.01	7/9/08	51067	N	ES-O09-080610	0.15	Y	6/27/2008	175
BOR 502	0.01	7/10/08	51068	N	WS-F05-080612	0.01	N	6/27/2008	
BOR 508	0.01	7/10/08	51067	N	ES-Q11-080606	0.01	N	6/27/2008	
BOR 509	0.01	7/10/08	51068	N	WS-E06-080613	0.01	N	7/10/2008	
BOR 510	0.01	7/10/08	51067	N	OU-8HR-080605	0.01	N	6/26/2008	
DUP-1	0.01	5/15/08	49802	N	WS-E02-080428	0.01	N	5/15/2008	
DUP-2	0.01	5/15/08	49802	N	WS-D02-080429	0.01	N	5/15/2008	
DUP-3	0.01	5/30/08	50156	N	WS-C01-080501	0.01	N	5/15/2008	
DUP-4	0.01	5/30/08	50156	N	WS-G01-080501	0.01	N	5/15/2008	
DUP-5	0.011	5/30/08	50156	N	WS-I01-080501	0.011	N	5/22/2008	
DUP-7	0.01	5/30/08	50156	N	WS-M01-080505	0.01	N	5/22/2008	
DUP-6	0.01	6/5/08	50293	N	WS-J01-080505	0.01	N	5/22/2008	
DUP-8	0.01	6/5/08	50261	N	WS-M03-080507	0.01	N	5/22/2008	
DUP-9	0.01	6/5/08	50293	N	WS-L04-080508	0.01	N	5/22/2008	
DUP-10	0.01	6/13/08	50461	N	WS-K04-080513	0.01	N	6/3/2008	
DUP-11	0.01	6/26/08	50603	N	ES-J03-080513	0.01	N	6/3/2008	
DUP-12	0.058	6/27/08	50810	Y	ES-P06-080515	0.074	Y	6/3/2008	24
DUP-13	0.031	6/27/08	50838	Y	ES-T08-080522	0.01	Y	6/4/2008	102
DUP-14	0.04	6/27/08	50838	Y	ES-T10-080523	0.031	Y	6/5/2008	25
DUP-15	0.01	6/27/08	50837	N	ES-J02-080527	0.01	N	6/5/2008	
DUP-16	0.01	7/9/08	50949	N	ES-P04-080528	0.017	Y	6/5/2008	52
DUP-17	0.01	7/9/08	50949	N	ES-F01-080529	0.01	N	6/13/2008	
DUP-18	0.01	7/9/08	51067	N	ES-J04-080530	0.01	N	6/13/2008	
DUP-19	0.01	7/10/08	51067	N	ES-K05-080605	0.01	N	6/26/2008	
DUP 21A	0.01	12/11/08	54787	N	ES-L06-081111	0.01	N	11/25/2008	
DUP 23	0.01	12/11/08	54787	N	ES-J05-081113	0.01	N	11/25/2008	
BOR-819	0.01	3/5/10	65023	N	WS-F05-100111	0.01	N	2/1/2010	
DUP-37	0.01	10/6/09	61828	N	ES-S17-090910	0.01	N	9/21/2009	
DUP-40	0.01	11/13/09	62928	N	ES-A01-102109				
DUP-44	0.01	1/11/10	64073	N	WS-M04-091218	0.01	N	1/5/2010	
DUP-46	0.01	1/15/10	64176	N	ES-R08-091021	0.01	N	11/5/2009	
DUP-53	0.03	10/5/10	70573	N	ES-K02-100818	0.01	N	9/2/2010	

RPD calculated only if one or both results are above the reporting limit

RPD of Sample Splits	
Mean	75.777
Median	51.852
Mode	#N/A
Standard Deviation	63.889
Sample Variance	4081.740
Kurtosis	0.349
Skewness	1.146
Minimum	24.242
Maximum	175.000
Sum	378.885
Count	5.000
Largest(2)	102.439
Smallest(2)	25.352

Table PCBs - 7: Aroclors 1254 & 1260 EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Aroclor	Average	RPD
WS-Z01-080430	0.39	5/22/08	49981	Y	1254		
ES-Z05-080519	0.44	5/30/08	50156	Y	1254	0.42	12
ES-Z06-080520	0.44	5/30/08	50156	Y	1254		
ES-Z07-080522	0.36	5/30/08	50156	Y	1254	0.40	20
ES-Z08-080527	0.34	6/5/08	50261	Y	1254		
ES-Z09-080529	0.49	6/5/08	50293	Y	1254	0.42	36
ES-Z10-080602	0.36	6/13/08	50461	Y	1254		
ES-Z11-080605	0.47	6/26/08	50603	Y	1254	0.42	27
ES-Z05-080519 B	0.5	6/27/08	50837	Y	1254		
ES-Z06-080520 B	0.51	6/27/08	50837	Y	1254	0.51	2
ES-Z07-080522 B	0.49	6/27/08	50837	Y	1254		
ES-Z08-080527 B	0.39	6/27/08	50837	Y	1254	0.44	23
ES-Z09-080529 B	0.57	6/27/08	50837	Y	1254		
ES-Z10-080602 B	0.47	6/27/08	50837	Y	1254	0.52	19
ES-Z11-080605 B	0.51	6/27/08	50837	Y	1254		
ES-Z12-080606-A	0.46	6/27/08	50810	Y	1254	0.49	10
ES-Z12-080606-B	0.44	6/27/08	50810	Y	1254		
ES-Z13-080610 A	0.37	6/27/08	50810	Y	1254	0.41	17
ES-Z13-080610 B	0.47	6/27/08	50838	Y	1254		
ES-Z14-080611 A	0.38	6/27/08	50838	Y	1254	0.43	21
ES-Z14-080611 B	0.42	6/27/08	50838	Y	1254		
WS-Z01-080430 B	0.51	6/27/08	50837	Y	1254	0.47	19
WS-Z15-080613 A	0.51	6/27/08	50837	Y	1254		
WS-Z15-080613 B	0.49	6/27/08	50837	Y	1254	0.50	4
WS-Z16-080617-A	0.42	7/9/08	50949	Y	1254		
WS-Z16-080617-B	0.4	7/9/08	50949	Y	1254	0.41	5
WS-Z17-080618 A	0.37	7/9/08	50949	Y	1254		
WS-Z17-080618 B	0.4	7/9/08	50949	Y	1254	0.39	8
WS-Z18-080620 A	0.45	7/9/08	51053	Y	1254		
WS-Z18-080620 B	0.46	7/9/08	51067	Y	1254	0.46	2
ES-Z19-080624 A	0.4	7/10/08	51067	Y	1254		
ES-Z19-080624 B	0.39	7/10/08	51067	Y	1254	0.40	3
ES-Z21-081112 A	0.061	11/25/08	54430	Y	1260		
ES-Z21-081112 B	0.063	11/25/08	54430	Y	1260	0.06	3
WS-Z20-081112 A	0.06	11/25/08	54430	Y	1260		
WS-Z20-081112 B	0.078	12/2/08	54617	Y	1260	0.07	26

Aroclor	*1254*	*1260*	*RPD of EQIS CRMs*	
Mean	0.440	0.066	Mean	14.304
Median	0.440	0.062	Median	14.666
Standard Deviation	0.057	0.008	Standard Deviation	10.268
Sample Variance	0.003	0.000	Sample Variance	105.427
Kurtosis	-0.755	3.546	Kurtosis	-0.757
Skewness	0.157	1.872	Skewness	0.387
Range	0.230	0.018	Range	34.164
Minimum	0.340	0.060	Minimum	1.980
Maximum	0.570	0.078	Maximum	36.145
Sum	14.070	0.262	Sum	257.474
Count	32.000	4.000	Count	18.000
Largest(2)	0.510	0.063	Largest(2)	26.506
Smallest(2)	0.360	0.061	Smallest(2)	2.198

Table PCBs 8: Aroclor 1260 Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
101	49802	4	48	7129050	3
99	49981	5	90	49802	4
136	50156	8	86	49981	5
86	50226	9	96	50156	8
85	50261	10	104	50226	9
94	50293	11	90	50261	10
99	50461	16	89	50293	11
105	50478	17	93	50461	16
120	50603	20	89	50478	17
121	50810	22	111	50603	20
103	50837	24	105	50810	22
103	50838	23	95	50837	24
93	50949	27	101	50838	23
90	51053	28	94	50949	27
114	51067	26	96	51053	28
102	51068	29	96	51067	26
97	51426	36	99	51068	29
94	54430	39	95	51426	36
97	54431	40	92	54430	39
122	54787	43	84	54431	40
120	55140	45	92	54617	41
110	56714	46	73	55140	45
94	61405	47	104	56714	46
99	61828	48	89	61405	47
103	62512	49	79	61828	48
85	62658	50	112	62512	49
105	63017	52	74	62658	50
109	63360	53	106	62928	51
101	63989	54	102	63017	52
196	64073	55	102	63360	53
36	64176	56	97	63989	54
81	64330	57	99	64073	55
90	64490	58	98	64176	56
90	65023	59	83	64330	57
121	66792	60	86	64490	58
92	67700	61	86	65023	59
107	69729	62	85	66792	60
106	70169	66	94	67700	61
179	70574	69	113	69729	62
144	71206	70	110	70169	66
90	71733	71	101	70573	68
			101	70574	69
			105	71206	70
			99	71733	71

Average MS Recovery = 105 % Average LCS Recovery = 94 %

Minimum MS Recovery = 36 % Minimum LCS Recovery = 48 %

Table PCBs 8: Aroclor 1260 Laboratory MS and LCS (Graph)

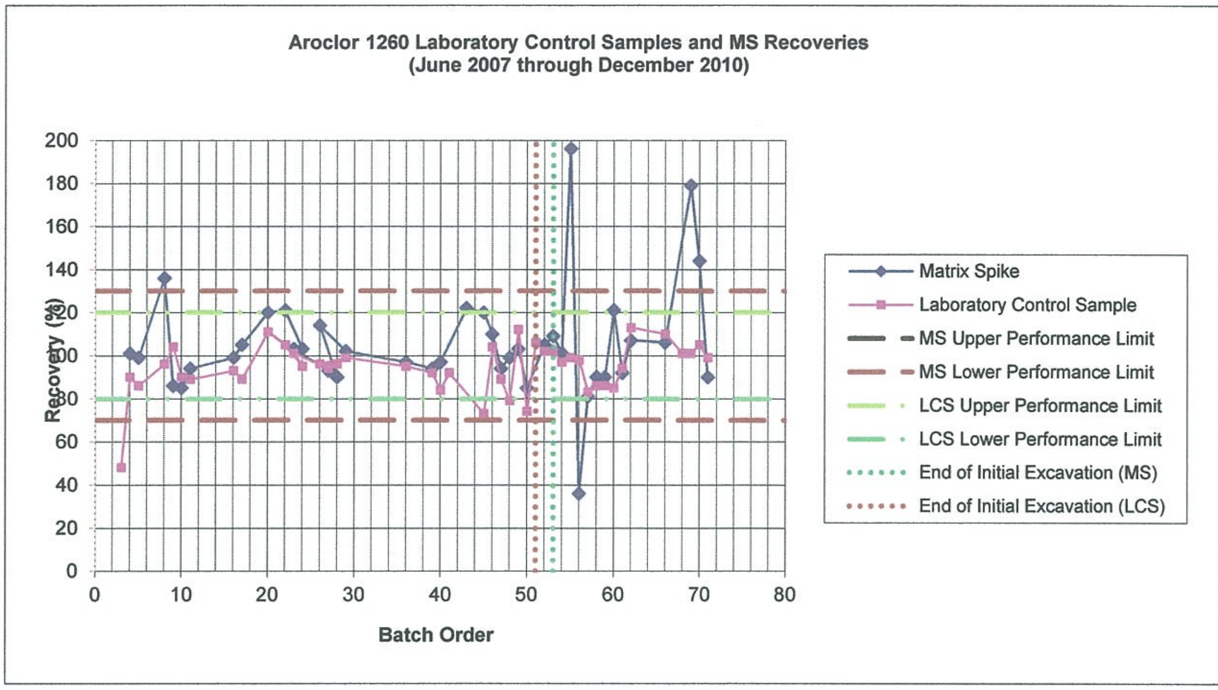


Table PCBs 9: Aroclor 1260 - MSD				
Sample	Date	Matrix Spike Duplicate RPD	Batch	Order
WS-F02-080429MSD	5/15/08	9	49802	4
WS-N03-080507MSD	5/22/08	6	49981	5
WS-K05-080509MSD	5/30/08	12	50156	8
WS-K02-080509MSD	6/3/08	12	50226	9
BOR 52, 54, 57, 71MSD	6/4/08	32	50261	10
ES-S07-080521MSD	6/5/08	11	50293	11
BOR 500MSD	6/13/08	3	50478	17
ES-V11-080529MSD	6/13/08	2	50461	16
ES-K02-080602MSD	6/26/08	2	50603	20
ES-N09-080610MSD	6/27/08	3	50838	23
WS-E04-080613MSD	6/27/08	1	50837	24
ES-L06-080605MSD	6/27/08	1	50810	22
WS-E07-080613MSD	7/9/08	3	50949	27
WS-I02-080618MSD	7/9/08	4	51053	28
WS-D04-080623MSD	7/9/08	2	51067	26
ES-C01-080624MSD	7/10/08	4	51068	29
ES-P07-080519MSD	7/24/08	1	51426	36
BOR204MSD	11/25/08	4	54431	40
ES-T09-081112MSD	11/25/08	3	54430	39
DUP 21AMSD	12/11/08	2	54787	43
ES-O06-081111MSD	1/7/09	1	55140	45
ES-L04-090319MSD	4/3/09	6	56714	46
ES-S17-090910MSD	9/18/09	4	61405	47
ES-O10-092309MSD	10/12/09	6	61828	48
ES-L04-091104MSD	11/16/09	11	63017	52
ES-C01-091123MSD	12/3/09	7	63360	53
WS-M04-091218MSD	1/5/10	3	63989	54
WS-E08-091228MSD	1/11/10	0	64073	55
WS-G07-100105MSD	1/15/10	32	64176	56
WS-F05-100111MSD	2/1/10	10	64330	57
WS-B02-100120MSD	2/1/10	14	64490	58
WS-J05-100223MSD	3/5/10	7	65023	59
ES-P07-100506MSD	5/18/10	5	66792	60
ES-P07-100611MSD	6/18/10	4	67700	61
ES-K02-100818MSD	9/2/10	3	69729	62
ES-SB3-100901MSD	9/20/10	1	70169	66
WS-E08-100923MSD	10/5/10	3	70574	69
WS-Z38-100923BMSD	11/2/10	0	71206	70
WS-E08-101027MSD	11/16/10	3	71733	71
		Average MSD RPD = 6	%	
		Maximum MSD RPD = 32	%	

Table PCBs 9: Aroclor 1260 - MSD (Graph)

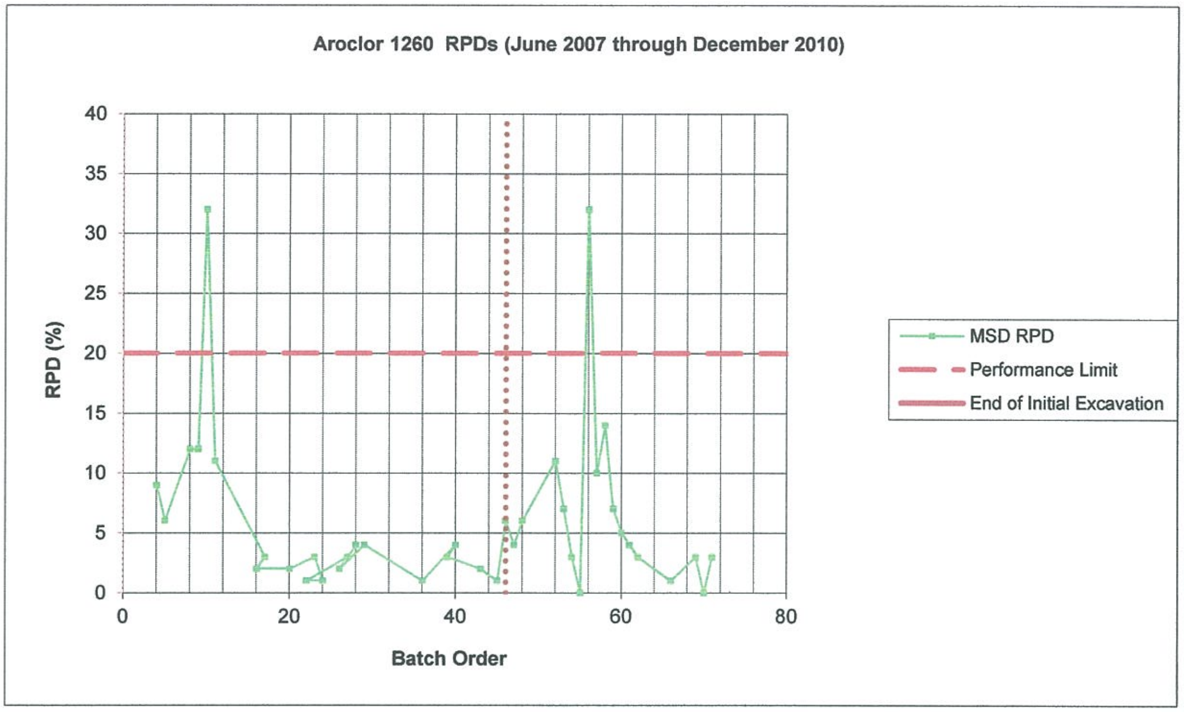


Table PCBs 10: Method 8081 Surrogate (Decachlorobiphenyl) Recoveries

Sample	Recovery	Date	Batch	Order
Sample	Recovery	Date	Batch	Order
BK-109-070430N	26	39210	7127060	2
A7E070000060B	34	39210	7127060	3
BK-114-070430N	46	39210	7127060	4
BK-112-070430N	41	39210	7127060	6
BK-110-070430N	54	39210	7127060	7
BK-108-070430N	51	39210	7127060	8
BK-107-070430N	108	39210	7127060	9
BK-101-070430N	51	39210	7127060	10
BK-106-070430N	46	39210	7127060	14
BK-103-070430N	27	39210	7127060	16
BK-104-070430N	48	39210	7127060	17
563632	109	39596	49894	44
ES-P07-080519	50	39605	50341	98
ES-M04-080515	49	39605	50341	100
ES-N07-080530	53	39622	50664	168
ES-H03-080605	54	39625	50703	185
WS-H02-080618	52	39644	51096	312
629712	109	39776	54432	358
BOR200	110	39776	54432	359
ES-Z21-081112 B	111	39776	54432	361
ES-Z21-081112 A	110	39776	54432	362
DUP 24MS	107	39812	55050	369
835528	118	40430	69470	373
BOR-825	116	40430	69470	374

For all Surrogate Measurements	
Mean Recovery	81
Median	81
Mode	75
Standard Deviation	13
Minimum	26

Only samples having surrogate recoveries exceeding the upper or lower tolerance limits are tabularized.

Table PCBs 10: Method 8081 Surrogate (Decachlorobiphenyl) Recoveries

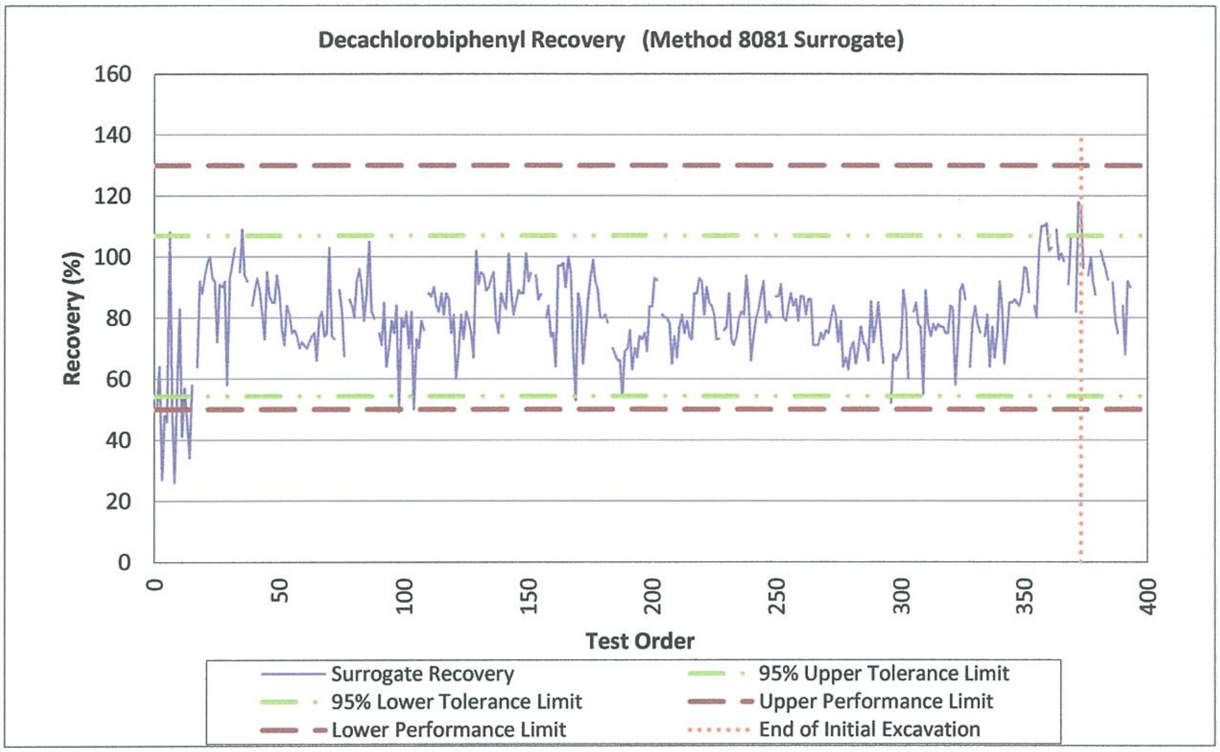
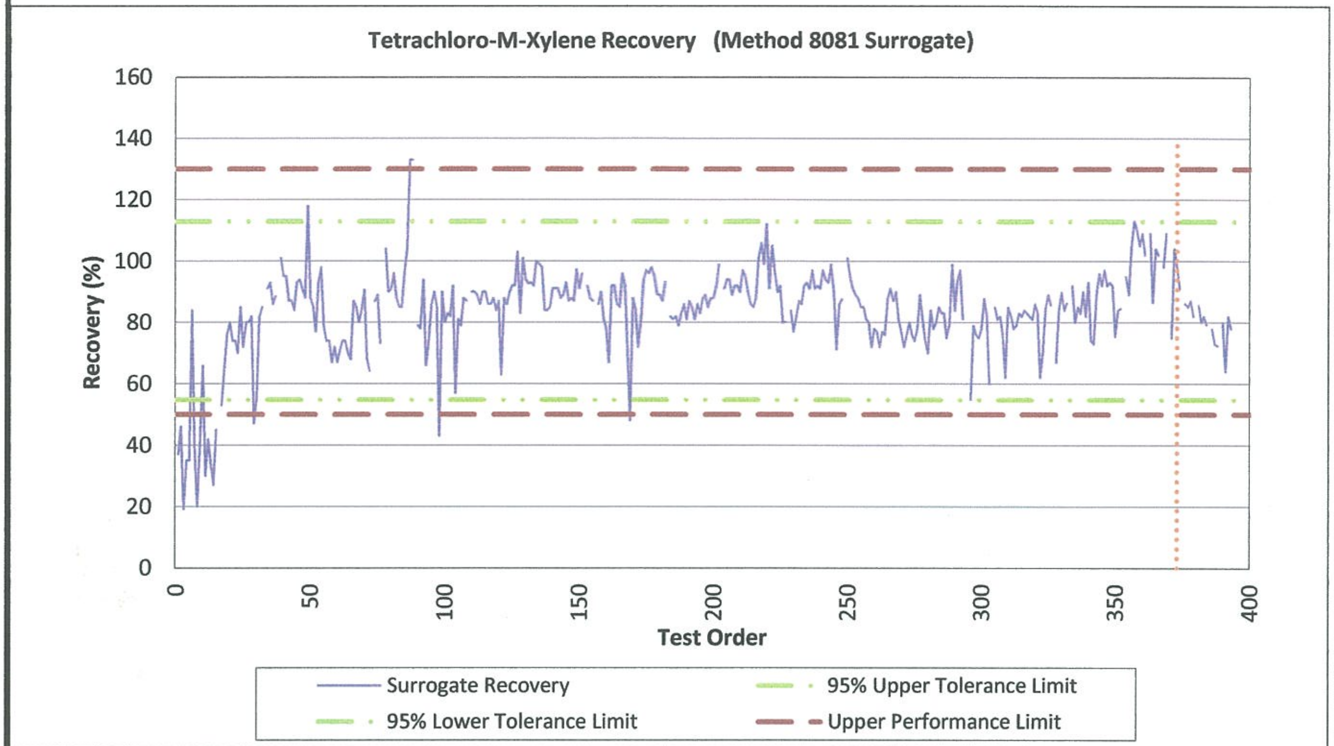


Table PCBs 11: Method 8081 Surrogate (Tetrachloro-m-xylene) Recoveries				
Sample	Recovery	Date	Batch	Order
BK-101-070430N	37	39210	7127060	2
BK-102-070430N	46	39210	7127060	3
BK-103-070430N	19	39210	7127060	4
BK-104-070430N	35	39210	7127060	5
BK-106-070430N	35	39210	7127060	6
BK-108-070430N	39	39210	7127060	8
BK-109-070430N	20	39210	7127060	9
BK-110-070430N	41	39210	7127060	10
BK-112-070430N	30	39210	7127060	12
BK-113-070430N	42	39210	7127060	13
BK-114-070430N	34	39210	7127060	14
A7E070000060B	27	39210	7127060	15
A7E070000060C	45	39210	7127060	16
BK-115-070430N	53	39216	7131171	18
BK-127-070430N	47	39216	7131171	30
WS-Z03-080507	118	39596	49894	50
WS-K02-080509	133	39605	50341	88
WS-K02-080509MS	133	39605	50341	89
ES-M04-080515	43	39605	50341	99
ES-N07-080530	48	39622	50664	170
BOR200	113	39776	54432	358

For all Surrogate Measurements	
Mean Recovery	84
Median	86
Mode	85
Standard Deviation	15
Minimum	19

Only samples having surrogate recoveries exceeding the upper or lower tolerance limits are tabularized.

Table PCBs 11: Method 8081 Surrogate (Tetrachloro-m-xylene) Recoveries



PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	A1	ES-A01-080623	AROCLOR 1260	0.14000	07/09/08	51067	Y	ES-A01-080623
East Site	A1	ES-A01-080623	AROCLOR 1248	0.00930	07/09/08	51067	N	ES-A01-080623
East Site	A1	ES-A01-080623	AROCLOR 1232	0.01400	07/09/08	51067	N	ES-A01-080623
East Site	A1	ES-A01-080623	AROCLOR 1242	0.01000	07/09/08	51067	N	ES-A01-080623
East Site	A1	ES-A01-080623	AROCLOR 1254	0.20000	07/09/08	51067	Y	ES-A01-080623
East Site	A1	ES-A01-090910	AROCLOR 1260	0.00620	09/18/09	61405	N	ES-A01-090910
East Site	A1	ES-A01-090910	AROCLOR 1254	0.02900	09/18/09	61405	Y	ES-A01-090910
East Site	A1	ES-A01-090910	AROCLOR 1232	0.01400	09/18/09	61405	N	ES-A01-090910
East Site	A1	ES-A01-090910	AROCLOR 1248	0.00930	09/18/09	61405	N	ES-A01-090910
East Site	A1	ES-A01-090910	AROCLOR 1242	0.01000	09/18/09	61405	N	ES-A01-090910
East Site	A1	ES-A01-102109	AROCLOR 1248	0.00930	11/13/09	62928	N	DUP-40
East Site	A1	ES-A01-102109	AROCLOR 1232	0.01400	11/13/09	62928	N	DUP-40
East Site	A1	ES-A01-102109	AROCLOR 1254	0.00310	11/13/09	62928	N	DUP-40
East Site	A1	ES-A01-102109	AROCLOR 1260	0.00620	11/13/09	62928	N	DUP-40
East Site	A1	ES-A01-102109	AROCLOR 1242	0.01000	11/13/09	62928	N	DUP-40
East Site	B1	ES-B01-080623	AROCLOR 1242	0.01000	07/09/08	51067	N	ES-B01-080623
East Site	B1	ES-B01-080623	AROCLOR 1254	0.07100	07/09/08	51067	Y	ES-B01-080623
East Site	B1	ES-B01-080623	AROCLOR 1248	0.00920	07/09/08	51067	N	ES-B01-080623
East Site	B1	ES-B01-080623	AROCLOR 1232	0.01400	07/09/08	51067	N	ES-B01-080623
East Site	B1	ES-B01-080623	AROCLOR 1260	0.00620	07/09/08	51067	N	ES-B01-080623
East Site	C1	ES-C01-080624	AROCLOR 1254	0.08700	07/10/08	51068	Y	ES-C01-080624
East Site	C1	ES-C01-080624	AROCLOR 1242	0.01000	07/10/08	51068	N	ES-C01-080624
East Site	C1	ES-C01-080624	AROCLOR 1232	0.01400	07/10/08	51068	N	ES-C01-080624
East Site	C1	ES-C01-080624	AROCLOR 1260	0.06500	07/10/08	51068	Y	ES-C01-080624
East Site	C1	ES-C01-080624	AROCLOR 1248	0.00920	07/10/08	51068	N	ES-C01-080624
East Site	C1	ES-C01-081113	AROCLOR 1260	0.19000	11/25/08	54431	N	ES-C01-081113
East Site	C1	ES-C01-081113	AROCLOR 1242	0.01000	11/25/08	54431	N	ES-C01-081113
East Site	C1	ES-C01-081113	AROCLOR 1248	0.00910	11/25/08	54431	N	ES-C01-081113
East Site	C1	ES-C01-081113	AROCLOR 1232	0.01400	11/25/08	54431	N	ES-C01-081113
East Site	C1	ES-C01-081113	AROCLOR 1254	0.18000	11/26/08	54431	Y	ES-C01-081113
East Site	C1	ES-C01-090910	AROCLOR 1242	0.01000	09/18/09	61405	N	ES-C01-090910
East Site	C1	ES-C01-090910	AROCLOR 1254	0.06300	09/18/09	61405	Y	ES-C01-090910
East Site	C1	ES-C01-090910	AROCLOR 1232	0.01400	09/18/09	61405	N	ES-C01-090910
East Site	C1	ES-C01-090910	AROCLOR 1260	0.16000	09/18/09	61405	Y	ES-C01-090910
East Site	C1	ES-C01-090910	AROCLOR 1248	0.00930	09/18/09	61405	N	ES-C01-090910
East Site	C1	ES-C01-091123	AROCLOR 1260	0.00610	12/03/09	63360	N	ES-C01-091123
East Site	C1	ES-C01-091123	AROCLOR 1242	0.01000	12/03/09	63360	N	ES-C01-091123
East Site	C1	ES-C01-091123	AROCLOR 1248	0.00920	12/03/09	63360	N	ES-C01-091123
East Site	C1	ES-C01-091123	AROCLOR 1232	0.01400	12/03/09	63360	N	ES-C01-091123
East Site	C1	ES-C01-091123	AROCLOR 1254	0.00310	12/03/09	63360	N	ES-C01-091123
East Site	D1	ES-D01-080624	AROCLOR 1242	0.01000	07/10/08	51067	N	ES-D01-080624
East Site	D1	ES-D01-080624	AROCLOR 1248	0.00920	07/10/08	51067	N	ES-D01-080624
East Site	D1	ES-D01-080624	AROCLOR 1232	0.01400	07/10/08	51067	N	ES-D01-080624
East Site	D1	ES-D01-080624	AROCLOR 1260	0.00610	07/10/08	51067	N	ES-D01-080624
East Site	D1	ES-D01-080624	AROCLOR 1254	0.02100	07/10/08	51067	Y	ES-D01-080624
East Site	E1	ES-E01-080528	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-E01-080528
East Site	E1	ES-E01-080528	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-E01-080528

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	E1	ES-E01-080528	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-E01-080528
East Site	E1	ES-E01-080528	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-E01-080528
East Site	E1	ES-E01-080528	AROCLOR 1254	0.27000	06/05/08	50293	Y	ES-E01-080528
East Site	E1	ES-E01-090910	AROCLOR 1232	0.01500	09/18/09	61405	N	ES-E01-090910
East Site	E1	ES-E01-090910	AROCLOR 1254	0.00310	09/18/09	61405	N	ES-E01-090910
East Site	E1	ES-E01-090910	AROCLOR 1242	0.01000	09/18/09	61405	N	ES-E01-090910
East Site	E1	ES-E01-090910	AROCLOR 1260	0.00620	09/18/09	61405	N	ES-E01-090910
East Site	E1	ES-E01-090910	AROCLOR 1248	0.00940	09/18/09	61405	N	ES-E01-090910
East Site	E2	ES-E02-080611	AROCLOR 1260	0.00610	07/09/08	50838	N	ES-E02-080611
East Site	E2	ES-E02-080611	AROCLOR 1232	0.01400	07/09/08	50838	N	ES-E02-080611
East Site	E2	ES-E02-080611	AROCLOR 1254	0.15000	07/09/08	50838	Y	ES-E02-080611
East Site	E2	ES-E02-080611	AROCLOR 1248	0.00920	07/09/08	50838	N	ES-E02-080611
East Site	E2	ES-E02-080611	AROCLOR 1242	0.01000	07/09/08	50838	N	ES-E02-080611
East Site	E2	ES-E02-090910	AROCLOR 1242	0.01000	09/18/09	61405	N	ES-E02-090910
East Site	E2	ES-E02-090910	AROCLOR 1260	0.00620	09/18/09	61405	N	ES-E02-090910
East Site	E2	ES-E02-090910	AROCLOR 1254	0.02300	09/18/09	61405	Y	ES-E02-090910
East Site	E2	ES-E02-090910	AROCLOR 1232	0.01400	09/18/09	61405	N	ES-E02-090910
East Site	E2	ES-E02-090910	AROCLOR 1248	0.00930	09/18/09	61405	N	ES-E02-090910
East Site	F1	ES-F01-080529	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-F01-080529
East Site	F1	ES-F01-080529	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-F01-080529
East Site	F1	ES-F01-080529	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-F01-080529
East Site	F1	ES-F01-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-F01-080529
East Site	F1	ES-F01-080529	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-F01-080529
East Site	F1	ES-F01-080529	AROCLOR 1248	0.00920	07/09/08	50949	N	DUP-17
East Site	F1	ES-F01-080529	AROCLOR 1260	0.00610	07/09/08	50949	N	DUP-17
East Site	F1	ES-F01-080529	AROCLOR 1232	0.01400	07/09/08	50949	N	DUP-17
East Site	F1	ES-F01-080529	AROCLOR 1242	0.01000	07/09/08	50949	N	DUP-17
East Site	F1	ES-F01-080529	AROCLOR 1254	0.00310	07/09/08	50949	N	DUP-17
East Site	G1	ES-G01-080529	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-G01-080529
East Site	G1	ES-G01-080529	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-G01-080529
East Site	G1	ES-G01-080529	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-G01-080529
East Site	G1	ES-G01-080529	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-G01-080529
East Site	G1	ES-G01-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-G01-080529
East Site	G2	ES-G02-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-G02-080605
East Site	G2	ES-G02-080605	AROCLOR 1254	0.00820	06/26/08	50603	Y	ES-G02-080605
East Site	G2	ES-G02-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-G02-080605
East Site	G2	ES-G02-080605	AROCLOR 1260	0.00610	06/26/08	50603	N	ES-G02-080605
East Site	G2	ES-G02-080605	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-G02-080605
East Site	H1	ES-H01-080528	AROCLOR 1260	0.00620	06/05/08	50293	N	ES-H01-080528
East Site	H1	ES-H01-080528	AROCLOR 1254	0.02700	06/05/08	50293	Y	ES-H01-080528
East Site	H1	ES-H01-080528	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-H01-080528
East Site	H1	ES-H01-080528	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-H01-080528
East Site	H1	ES-H01-080528	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-H01-080528
East Site	H2	ES-H02-080515	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-H02-080515
East Site	H2	ES-H02-080515	AROCLOR 1260	0.00620	06/03/08	50226	N	ES-H02-080515
East Site	H2	ES-H02-080515	AROCLOR 1254	0.06500	06/03/08	50226	Y	ES-H02-080515
East Site	H2	ES-H02-080515	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-H02-080515

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	H2	ES-H02-080515	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-H02-080515
East Site	H3	ES-H03-080605	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-H03-080605
East Site	H3	ES-H03-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-H03-080605
East Site	H3	ES-H03-080605	AROCLOR 1254	0.00310	06/26/08	50603	N	ES-H03-080605
East Site	H3	ES-H03-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-H03-080605
East Site	H3	ES-H03-080605	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-H03-080605
East Site	I1	ES-I01-080529	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-I01-080529
East Site	I1	ES-I01-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-I01-080529
East Site	I1	ES-I01-080529	AROCLOR 1254	0.07900	06/13/08	50461	Y	ES-I01-080529
East Site	I1	ES-I01-080529	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-I01-080529
East Site	I1	ES-I01-080529	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-I01-080529
East Site	I1	ES-I01-081114	AROCLOR 1242	0.01000	11/25/08	54431	N	ES-I01-081114
East Site	I1	ES-I01-081114	AROCLOR 1248	0.00920	11/25/08	54431	N	ES-I01-081114
East Site	I1	ES-I01-081114	AROCLOR 1232	0.01400	11/25/08	54431	N	ES-I01-081114
East Site	I1	ES-I01-081114	AROCLOR 1260	0.00610	11/25/08	54431	N	ES-I01-081114
East Site	I1	ES-I01-081114	AROCLOR 1254	0.03500	11/26/08	54431	Y	ES-I01-081114
East Site	I2	ES-I02-080514	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-I02-080514
East Site	I2	ES-I02-080514	AROCLOR 1254	0.00310	06/03/08	50226	N	ES-I02-080514
East Site	I2	ES-I02-080514	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-I02-080514
East Site	I2	ES-I02-080514	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-I02-080514
East Site	I2	ES-I02-080514	AROCLOR 1260	0.00620	06/03/08	50226	N	ES-I02-080514
East Site	I2	ES-I02-080514	AROCLOR 1260	0.00620	07/24/08	51426	N	ES-I02-080514
East Site	I2	ES-I02-080514	AROCLOR 1242	0.01000	07/24/08	51426	N	ES-I02-080514
East Site	I2	ES-I02-080514	AROCLOR 1248	0.00920	07/24/08	51426	N	ES-I02-080514
East Site	I2	ES-I02-080514	AROCLOR 1232	0.01400	07/24/08	51426	N	ES-I02-080514
East Site	I2	ES-I02-080514	AROCLOR 1254	0.00310	07/24/08	51426	N	ES-I02-080514
East Site	I3	ES-I03-080513	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-I03-080513
East Site	I3	ES-I03-080513	AROCLOR 1254	0.02500	06/03/08	50226	Y	ES-I03-080513
East Site	I3	ES-I03-080513	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-I03-080513
East Site	I3	ES-I03-080513	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-I03-080513
East Site	I3	ES-I03-080513	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-I03-080513
East Site	I4	ES-I04-080602	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-I04-080602
East Site	I4	ES-I04-080602	AROCLOR 1254	0.01800	06/13/08	50461	Y	ES-I04-080602
East Site	I4	ES-I04-080602	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-I04-080602
East Site	I4	ES-I04-080602	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-I04-080602
East Site	I4	ES-I04-080602	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-I04-080602
East Site	J1	ES-J01-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-J01-080529
East Site	J1	ES-J01-080529	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-J01-080529
East Site	J1	ES-J01-080529	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-J01-080529
East Site	J1	ES-J01-080529	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-J01-080529
East Site	J1	ES-J01-080529	AROCLOR 1248	0.00930	06/13/08	50461	N	ES-J01-080529
East Site	J2	ES-J02-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-J02-080527
East Site	J2	ES-J02-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-J02-080527
East Site	J2	ES-J02-080527	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-J02-080527
East Site	J2	ES-J02-080527	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-J02-080527
East Site	J2	ES-J02-080527	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-J02-080527
East Site	J2	ES-J02-080527	AROCLOR 1242	0.01000	06/27/08	50837	N	DUP-15

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	J2	ES-J02-080527	AROCLOR 1232	0.01400	06/27/08	50837	N	DUP-15
East Site	J2	ES-J02-080527	AROCLOR 1260	0.00610	06/27/08	50837	N	DUP-15
East Site	J2	ES-J02-080527	AROCLOR 1254	0.00310	06/27/08	50837	N	DUP-15
East Site	J2	ES-J02-080527	AROCLOR 1248	0.00920	06/27/08	50837	N	DUP-15
East Site	J3	ES-J03-080513	AROCLOR 1254	0.08800	06/03/08	50226	Y	ES-J03-080513
East Site	J3	ES-J03-080513	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-J03-080513
East Site	J3	ES-J03-080513	AROCLOR 1248	0.00910	06/03/08	50226	N	ES-J03-080513
East Site	J3	ES-J03-080513	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-J03-080513
East Site	J3	ES-J03-080513	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-J03-080513
East Site	J3	ES-J03-080513	AROCLOR 1232	0.01400	06/26/08	50603	N	DUP-11
East Site	J3	ES-J03-080513	AROCLOR 1254	0.13000	06/26/08	50603	Y	DUP-11
East Site	J3	ES-J03-080513	AROCLOR 1248	0.00920	06/26/08	50603	N	DUP-11
East Site	J3	ES-J03-080513	AROCLOR 1242	0.01000	06/26/08	50603	N	DUP-11
East Site	J3	ES-J03-080513	AROCLOR 1260	0.00610	06/26/08	50603	N	DUP-11
East Site	J3	ES-J03-081111	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-J03-081111
East Site	J3	ES-J03-081111	AROCLOR 1248	0.00920	11/25/08	54430	N	ES-J03-081111
East Site	J3	ES-J03-081111	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-J03-081111
East Site	J3	ES-J03-081111	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-J03-081111
East Site	J3	ES-J03-081111	AROCLOR 1254	0.06500	11/26/08	54430	Y	ES-J03-081111
East Site	J4	ES-J04-080530	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-J04-080530
East Site	J4	ES-J04-080530	AROCLOR 1254	0.00620	06/13/08	50461	Y	ES-J04-080530
East Site	J4	ES-J04-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-J04-080530
East Site	J4	ES-J04-080530	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-J04-080530
East Site	J4	ES-J04-080530	AROCLOR 1248	0.00930	06/13/08	50461	N	ES-J04-080530
East Site	J4	ES-J04-080530	AROCLOR 1232	0.01400	07/09/08	51067	N	DUP-18
East Site	J4	ES-J04-080530	AROCLOR 1254	0.00310	07/09/08	51067	N	DUP-18
East Site	J4	ES-J04-080530	AROCLOR 1248	0.00920	07/09/08	51067	N	DUP-18
East Site	J4	ES-J04-080530	AROCLOR 1260	0.00620	07/09/08	51067	N	DUP-18
East Site	J4	ES-J04-080530	AROCLOR 1242	0.01000	07/09/08	51067	N	DUP-18
East Site	J5	ES-J05-080602	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-J05-080602
East Site	J5	ES-J05-080602	AROCLOR 1254	0.10000	06/13/08	50461	Y	ES-J05-080602
East Site	J5	ES-J05-080602	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-J05-080602
East Site	J5	ES-J05-080602	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-J05-080602
East Site	J5	ES-J05-080602	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-J05-080602
East Site	J5	ES-J05-081113	AROCLOR 1232	0.01400	11/25/08	54431	N	ES-J05-081113
East Site	J5	ES-J05-081113	AROCLOR 1248	0.00910	11/25/08	54431	N	ES-J05-081113
East Site	J5	ES-J05-081113	AROCLOR 1260	0.00610	11/25/08	54431	N	ES-J05-081113
East Site	J5	ES-J05-081113	AROCLOR 1242	0.01000	11/25/08	54431	N	ES-J05-081113
East Site	J5	ES-J05-081113	AROCLOR 1254	0.02500	11/26/08	54431	Y	ES-J05-081113
East Site	J5	ES-J05-081113	AROCLOR 1242	0.01000	12/11/08	54787	N	DUP 23
East Site	J5	ES-J05-081113	AROCLOR 1260	0.00610	12/11/08	54787	N	DUP 23
East Site	J5	ES-J05-081113	AROCLOR 1232	0.01400	12/11/08	54787	N	DUP 23
East Site	J5	ES-J05-081113	AROCLOR 1254	0.02700	12/11/08	54787	Y	DUP 23
East Site	J5	ES-J05-081113	AROCLOR 1248	0.09100	12/11/08	54787	Y	DUP 23
East Site	K1	ES-K01-080602	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-K01-080602
East Site	K1	ES-K01-080602	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-K01-080602
East Site	K1	ES-K01-080602	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-K01-080602

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	K1	ES-K01-080602	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-K01-080602
East Site	K1	ES-K01-080602	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-K01-080602
East Site	K2	ES-K02-080602	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-K02-080602
East Site	K2	ES-K02-080602	AROCLOR 1254	0.05800	06/26/08	50603	Y	ES-K02-080602
East Site	K2	ES-K02-080602	AROCLOR 1242	0.07900	06/26/08	50603	Y	ES-K02-080602
East Site	K2	ES-K02-080602	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-K02-080602
East Site	K2	ES-K02-080602	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-K02-080602
East Site	K2	ES-K02-100818	AROCLOR 1242	0.01000	09/02/10	69729	N	ES-K02-100818
East Site	K2	ES-K02-100818	AROCLOR 1248	0.00930	09/02/10	69729	N	ES-K02-100818
East Site	K2	ES-K02-100818	AROCLOR 1232	0.01400	09/02/10	69729	N	ES-K02-100818
East Site	K2	ES-K02-100818	AROCLOR 1254	0.00310	09/02/10	69729	N	ES-K02-100818
East Site	K2	ES-K02-100818	AROCLOR 1260	0.00620	09/02/10	69729	N	ES-K02-100818
East Site	K2	ES-K02-100818	AROCLOR 1242	0.03000	10/05/10	70573	N	DUP-53
East Site	K2	ES-K02-100818	AROCLOR 1248	0.03000	10/05/10	70573	N	DUP-53
East Site	K2	ES-K02-100818	AROCLOR 1232	0.02800	10/05/10	70573	N	DUP-53
East Site	K2	ES-K02-100818	AROCLOR 1254	0.02400	10/05/10	70573	N	DUP-53
East Site	K2	ES-K02-100818	AROCLOR 1260	0.01300	10/05/10	70573	N	DUP-53
East Site	K3	ES-K03-080514	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-K03-080514
East Site	K3	ES-K03-080514	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-K03-080514
East Site	K3	ES-K03-080514	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-K03-080514
East Site	K3	ES-K03-080514	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-K03-080514
East Site	K3	ES-K03-080514	AROCLOR 1254	0.02100	06/03/08	50226	Y	ES-K03-080514
East Site	K4	ES-K04-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-K04-080527
East Site	K4	ES-K04-080527	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-K04-080527
East Site	K4	ES-K04-080527	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-K04-080527
East Site	K4	ES-K04-080527	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-K04-080527
East Site	K4	ES-K04-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-K04-080527
East Site	K5	ES-K05-080605	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-K05-080605
East Site	K5	ES-K05-080605	AROCLOR 1254	0.00310	06/26/08	50603	N	ES-K05-080605
East Site	K5	ES-K05-080605	AROCLOR 1260	0.00610	06/26/08	50603	N	ES-K05-080605
East Site	K5	ES-K05-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-K05-080605
East Site	K5	ES-K05-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-K05-080605
East Site	K5	ES-K05-080605	AROCLOR 1248	0.00900	07/10/08	51067	N	DUP-19
East Site	K5	ES-K05-080605	AROCLOR 1232	0.01400	07/10/08	51067	N	DUP-19
East Site	K5	ES-K05-080605	AROCLOR 1254	0.00300	07/10/08	51067	N	DUP-19
East Site	K5	ES-K05-080605	AROCLOR 1260	0.00600	07/10/08	51067	N	DUP-19
East Site	K5	ES-K05-080605	AROCLOR 1242	0.01000	07/10/08	51067	N	DUP-19
East Site	K7	ES-K07-080611	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-K07-080611
East Site	K7	ES-K07-080611	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-K07-080611
East Site	K7	ES-K07-080611	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-K07-080611
East Site	K7	ES-K07-080611	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-K07-080611
East Site	K7	ES-K07-080611	AROCLOR 1254	0.00310	06/27/08	50838	N	ES-K07-080611
East Site	L1	ES-L01-080625	AROCLOR 1254	0.00310	07/10/08	51068	N	ES-L01-080625
East Site	L1	ES-L01-080625	AROCLOR 1232	0.01400	07/10/08	51068	N	ES-L01-080625
East Site	L1	ES-L01-080625	AROCLOR 1248	0.00920	07/10/08	51068	N	ES-L01-080625

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	L1	ES-L01-080625	AROCLOR 1260	0.00610	07/10/08	51068	N	ES-L01-080625
East Site	L1	ES-L01-080625	AROCLOR 1242	0.01000	07/10/08	51068	N	ES-L01-080625
East Site	L2	ES-L02-080625	AROCLOR 1254	0.00310	07/10/08	51068	N	ES-L02-080625
East Site	L2	ES-L02-080625	AROCLOR 1242	0.05500	07/10/08	51068	Y	ES-L02-080625
East Site	L2	ES-L02-080625	AROCLOR 1232	0.01400	07/10/08	51068	N	ES-L02-080625
East Site	L2	ES-L02-080625	AROCLOR 1260	0.00610	07/10/08	51068	N	ES-L02-080625
East Site	L2	ES-L02-080625	AROCLOR 1248	0.00920	07/10/08	51068	N	ES-L02-080625
East Site	L3	ES-L03-080604	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-L03-080604
East Site	L3	ES-L03-080604	AROCLOR 1248	0.00930	06/26/08	50603	N	ES-L03-080604
East Site	L3	ES-L03-080604	AROCLOR 1242	0.03500	06/26/08	50603	Y	ES-L03-080604
East Site	L3	ES-L03-080604	AROCLOR 1254	0.03300	06/26/08	50603	Y	ES-L03-080604
East Site	L3	ES-L03-080604	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-L03-080604
East Site	L4	ES-L04-080604	AROCLOR 1242	0.04700	06/26/08	50603	Y	ES-L04-080604
East Site	L4	ES-L04-080604	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-L04-080604
East Site	L4	ES-L04-080604	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-L04-080604
East Site	L4	ES-L04-080604	AROCLOR 1254	0.14000	06/26/08	50603	Y	ES-L04-080604
East Site	L4	ES-L04-080604	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-L04-080604
East Site	L4	ES-L04-090319	AROCLOR 1260	0.00610	04/06/09	56714	N	ES-L04-090319
East Site	L4	ES-L04-090319	AROCLOR 1254	0.11000	04/06/09	56714	Y	ES-L04-090319
East Site	L4	ES-L04-090319	AROCLOR 1248	0.00910	04/06/09	56714	N	ES-L04-090319
East Site	L4	ES-L04-090319	AROCLOR 1242	0.01000	04/06/09	56714	N	ES-L04-090319
East Site	L4	ES-L04-090319	AROCLOR 1232	0.01400	04/06/09	56714	N	ES-L04-090319
East Site	L4	ES-L04-091104	AROCLOR 1232	0.01400	11/16/09	63017	N	ES-L04-091104
East Site	L4	ES-L04-091104	AROCLOR 1242	0.01000	11/16/09	63017	N	ES-L04-091104
East Site	L4	ES-L04-091104	AROCLOR 1260	0.00620	11/16/09	63017	N	ES-L04-091104
East Site	L4	ES-L04-091104	AROCLOR 1254	0.00310	11/16/09	63017	N	ES-L04-091104
East Site	L4	ES-L04-091104	AROCLOR 1248	0.00920	11/16/09	63017	N	ES-L04-091104
East Site	L5	ES-L05-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	ES-L05-080620
East Site	L5	ES-L05-080620	AROCLOR 1254	0.17000	07/09/08	51053	Y	ES-L05-080620
East Site	L5	ES-L05-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	ES-L05-080620
East Site	L5	ES-L05-080620	AROCLOR 1248	0.00920	07/09/08	51053	N	ES-L05-080620
East Site	L5	ES-L05-080620	AROCLOR 1260	0.00610	07/09/08	51053	N	ES-L05-080620
East Site	L5	ES-L05-091104	AROCLOR 1232	0.01400	11/16/09	63017	N	ES-L05-091104
East Site	L5	ES-L05-091104	AROCLOR 1260	0.00610	11/16/09	63017	N	ES-L05-091104
East Site	L5	ES-L05-091104	AROCLOR 1248	0.00920	11/16/09	63017	N	ES-L05-091104
East Site	L5	ES-L05-091104	AROCLOR 1242	0.01000	11/16/09	63017	N	ES-L05-091104
East Site	L5	ES-L05-091104	AROCLOR 1254	0.00310	11/16/09	63017	N	ES-L05-091104
East Site	L6	ES-L06-080605	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-L06-080605
East Site	L6	ES-L06-080605	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-L06-080605
East Site	L6	ES-L06-080605	AROCLOR 1254	0.08900	06/27/08	50810	Y	ES-L06-080605
East Site	L6	ES-L06-080605	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-L06-080605
East Site	L6	ES-L06-080605	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-L06-080605
East Site	L6	ES-L06-081111	AROCLOR 1248	0.00920	11/25/08	54430	N	ES-L06-081111
East Site	L6	ES-L06-081111	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-L06-081111
East Site	L6	ES-L06-081111	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-L06-081111

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	L6	ES-L06-081111	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-L06-081111
East Site	L6	ES-L06-081111	AROCLOR 1254	0.12000	11/26/08	54430	Y	ES-L06-081111
East Site	L6	ES-L06-081111	AROCLOR 1254	0.11000	12/11/08	54787	Y	DUP 21A
East Site	L6	ES-L06-081111	AROCLOR 1260	0.00620	12/11/08	54787	N	DUP 21A
East Site	L6	ES-L06-081111	AROCLOR 1232	0.01400	12/11/08	54787	N	DUP 21A
East Site	L6	ES-L06-081111	AROCLOR 1248	0.00920	12/11/08	54787	N	DUP 21A
East Site	L6	ES-L06-081111	AROCLOR 1242	0.01000	12/11/08	54787	N	DUP 21A
East Site	L6	ES-L06-091104	AROCLOR 1242	0.01000	11/16/09	63017	N	ES-L06-091104
East Site	L6	ES-L06-091104	AROCLOR 1232	0.01400	11/16/09	63017	N	ES-L06-091104
East Site	L6	ES-L06-091104	AROCLOR 1248	0.00920	11/16/09	63017	N	ES-L06-091104
East Site	L6	ES-L06-091104	AROCLOR 1260	0.00610	11/16/09	63017	N	ES-L06-091104
East Site	L6	ES-L06-091104	AROCLOR 1254	0.00310	11/16/09	63017	N	ES-L06-091104
East Site	M1	ES-M01-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-M01-080527
East Site	M1	ES-M01-080527	AROCLOR 1254	0.01300	06/05/08	50261	Y	ES-M01-080527
East Site	M1	ES-M01-080527	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-M01-080527
East Site	M1	ES-M01-080527	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-M01-080527
East Site	M1	ES-M01-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-M01-080527
East Site	M2	ES-M02-080519	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-M02-080519
East Site	M2	ES-M02-080519	AROCLOR 1242	0.01100	06/05/08	50293	Y	ES-M02-080519
East Site	M2	ES-M02-080519	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-M02-080519
East Site	M2	ES-M02-080519	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-M02-080519
East Site	M2	ES-M02-080519	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-M02-080519
East Site	M3	ES-M03-080519	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-M03-080519
East Site	M3	ES-M03-080519	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-M03-080519
East Site	M3	ES-M03-080519	AROCLOR 1254	0.10000	06/03/08	50226	Y	ES-M03-080519
East Site	M3	ES-M03-080519	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-M03-080519
East Site	M3	ES-M03-080519	AROCLOR 1242	0.30000	06/03/08	50226	Y	ES-M03-080519
East Site	M3	ES-M03-091022	AROCLOR 1254	0.00310	11/04/09	62658	N	ES-M03-091022
East Site	M3	ES-M03-091022	AROCLOR 1242	0.01000	11/04/09	62658	N	ES-M03-091022
East Site	M3	ES-M03-091022	AROCLOR 1232	0.01400	11/04/09	62658	N	ES-M03-091022
East Site	M3	ES-M03-091022	AROCLOR 1248	0.00920	11/04/09	62658	N	ES-M03-091022
East Site	M3	ES-M03-091022	AROCLOR 1260	0.00620	11/04/09	62658	N	ES-M03-091022
East Site	M4	ES-M04-080515	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-M04-080515
East Site	M4	ES-M04-080515	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-M04-080515
East Site	M4	ES-M04-080515	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-M04-080515
East Site	M4	ES-M04-080515	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-M04-080515
East Site	M4	ES-M04-080515	AROCLOR 1254	0.00310	06/03/08	50226	N	ES-M04-080515
East Site	M5	ES-M05-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-M05-080527
East Site	M5	ES-M05-080527	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-M05-080527
East Site	M5	ES-M05-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-M05-080527
East Site	M5	ES-M05-080527	AROCLOR 1248	0.00910	06/05/08	50261	N	ES-M05-080527
East Site	M5	ES-M05-080527	AROCLOR 1254	0.03800	06/05/08	50261	Y	ES-M05-080527
East Site	M6	ES-M06-080520	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-M06-080520
East Site	M6	ES-M06-080520	AROCLOR 1254	0.09900	06/05/08	50293	Y	ES-M06-080520
East Site	M6	ES-M06-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-M06-080520

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	M6	ES-M06-080520	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-M06-080520
East Site	M6	ES-M06-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-M06-080520
East Site	M6	ES-M06-081111	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-M06-081111
East Site	M6	ES-M06-081111	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-M06-081111
East Site	M6	ES-M06-081111	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-M06-081111
East Site	M6	ES-M06-081111	AROCLOR 1248	0.00920	11/25/08	54430	N	ES-M06-081111
East Site	M6	ES-M06-081111	AROCLOR 1254	0.03700	11/26/08	54430	Y	ES-M06-081111
East Site	M7	ES-M07-080612	AROCLOR 1242	0.12000	06/27/08	50838	Y	ES-M07-080612
East Site	M7	ES-M07-080612	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-M07-080612
East Site	M7	ES-M07-080612	AROCLOR 1254	0.08800	06/27/08	50838	Y	ES-M07-080612
East Site	M7	ES-M07-080612	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-M07-080612
East Site	M7	ES-M07-080612	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-M07-080612
East Site	M7	ES-M07-091105	AROCLOR 1232	0.01400	11/16/09	63017	N	ES-M07-091105
East Site	M7	ES-M07-091105	AROCLOR 1254	0.00310	11/16/09	63017	N	ES-M07-091105
East Site	M7	ES-M07-091105	AROCLOR 1260	0.00610	11/16/09	63017	N	ES-M07-091105
East Site	M7	ES-M07-091105	AROCLOR 1242	0.01000	11/16/09	63017	N	ES-M07-091105
East Site	M7	ES-M07-091105	AROCLOR 1248	0.00920	11/16/09	63017	N	ES-M07-091105
East Site	M8	ES-M08-080610	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-M08-080610
East Site	M8	ES-M08-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-M08-080610
East Site	M8	ES-M08-080610	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-M08-080610
East Site	M8	ES-M08-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-M08-080610
East Site	M8	ES-M08-080610	AROCLOR 1254	0.02800	06/27/08	50810	Y	ES-M08-080610
East Site	M9	ES-M09-080611	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-M09-080611
East Site	M9	ES-M09-080611	AROCLOR 1254	0.00820	06/27/08	50838	Y	ES-M09-080611
East Site	M9	ES-M09-080611	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-M09-080611
East Site	M9	ES-M09-080611	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-M09-080611
East Site	M9	ES-M09-080611	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-M09-080611
East Site	N2	ES-N02-080528	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-N02-080528
East Site	N2	ES-N02-080528	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-N02-080528
East Site	N2	ES-N02-080528	AROCLOR 1254	0.14000	06/05/08	50261	Y	ES-N02-080528
East Site	N2	ES-N02-080528	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-N02-080528
East Site	N2	ES-N02-080528	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-N02-080528
East Site	N2	ES-N02-090320	AROCLOR 1260	0.00610	04/06/09	56714	N	ES-N02-090320
East Site	N2	ES-N02-090320	AROCLOR 1242	0.01000	04/06/09	56714	N	ES-N02-090320
East Site	N2	ES-N02-090320	AROCLOR 1248	0.00920	04/06/09	56714	N	ES-N02-090320
East Site	N2	ES-N02-090320	AROCLOR 1232	0.01400	04/06/09	56714	N	ES-N02-090320
East Site	N2	ES-N02-090320	AROCLOR 1254	0.01600	04/06/09	56714	Y	ES-N02-090320
East Site	N3	ES-N03-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-N03-080520
East Site	N3	ES-N03-080520	AROCLOR 1242	0.02000	06/05/08	50293	Y	ES-N03-080520
East Site	N3	ES-N03-080520	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-N03-080520
East Site	N3	ES-N03-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-N03-080520
East Site	N3	ES-N03-080520	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-N03-080520
East Site	N4	ES-N04-080519	AROCLOR 1242	0.04600	06/03/08	50226	Y	ES-N04-080519
East Site	N4	ES-N04-080519	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-N04-080519
East Site	N4	ES-N04-080519	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-N04-080519

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	N4	ES-N04-080519	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-N04-080519
East Site	N4	ES-N04-080519	AROCLOR 1254	0.01700	06/03/08	50226	Y	ES-N04-080519
East Site	N5	ES-N05-080519	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-N05-080519
East Site	N5	ES-N05-080519	AROCLOR 1242	0.08200	06/03/08	50226	Y	ES-N05-080519
East Site	N5	ES-N05-080519	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-N05-080519
East Site	N5	ES-N05-080519	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-N05-080519
East Site	N5	ES-N05-080519	AROCLOR 1254	0.03700	06/03/08	50226	Y	ES-N05-080519
East Site	N5	ES-N05-081111	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-N05-081111
East Site	N5	ES-N05-081111	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-N05-081111
East Site	N5	ES-N05-081111	AROCLOR 1248	0.00920	11/25/08	54430	N	ES-N05-081111
East Site	N5	ES-N05-081111	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-N05-081111
East Site	N5	ES-N05-081111	AROCLOR 1254	0.01400	11/26/08	54430	Y	ES-N05-081111
East Site	N6	ES-N06-080527	AROCLOR 1242	0.04500	06/05/08	50261	Y	ES-N06-080527
East Site	N6	ES-N06-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-N06-080527
East Site	N6	ES-N06-080527	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-N06-080527
East Site	N6	ES-N06-080527	AROCLOR 1254	0.09400	06/05/08	50261	Y	ES-N06-080527
East Site	N6	ES-N06-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-N06-080527
East Site	N6	ES-N06-081112	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-N06-081112
East Site	N6	ES-N06-081112	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-N06-081112
East Site	N6	ES-N06-081112	AROCLOR 1248	0.00910	11/25/08	54430	N	ES-N06-081112
East Site	N6	ES-N06-081112	AROCLOR 1260	0.00600	11/25/08	54430	N	ES-N06-081112
East Site	N6	ES-N06-081112	AROCLOR 1254	0.05900	11/26/08	54430	Y	ES-N06-081112
East Site	N7	ES-N07-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-N07-080530
East Site	N7	ES-N07-080530	AROCLOR 1242	0.03400	06/13/08	50461	Y	ES-N07-080530
East Site	N7	ES-N07-080530	AROCLOR 1254	0.04000	06/13/08	50461	Y	ES-N07-080530
East Site	N7	ES-N07-080530	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-N07-080530
East Site	N7	ES-N07-080530	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-N07-080530
East Site	N8	ES-N08-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-N08-080610
East Site	N8	ES-N08-080610	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-N08-080610
East Site	N8	ES-N08-080610	AROCLOR 1232	0.01500	06/27/08	50810	N	ES-N08-080610
East Site	N8	ES-N08-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-N08-080610
East Site	N8	ES-N08-080610	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-N08-080610
East Site	N9	ES-N09-080610	AROCLOR 1260	0.00620	06/27/08	50838	N	ES-N09-080610
East Site	N9	ES-N09-080610	AROCLOR 1254	0.00310	06/27/08	50838	N	ES-N09-080610
East Site	N9	ES-N09-080610	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-N09-080610
East Site	N9	ES-N09-080610	AROCLOR 1248	0.00930	06/27/08	50838	N	ES-N09-080610
East Site	N9	ES-N09-080610	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-N09-080610
East Site	N10	ES-N10-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-N10-080610
East Site	N10	ES-N10-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-N10-080610
East Site	N10	ES-N10-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-N10-080610
East Site	N10	ES-N10-080610	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-N10-080610
East Site	N10	ES-N10-080610	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-N10-080610
East Site	O3	ES-O03-080528	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-O03-080528
East Site	O3	ES-O03-080528	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-O03-080528
East Site	O3	ES-O03-080528	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-O03-080528

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	O3	ES-O03-080528	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-O03-080528
East Site	O3	ES-O03-080528	AROCLOR 1260	0.00620	06/05/08	50261	N	ES-O03-080528
East Site	O4	ES-O04-080515	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-O04-080515
East Site	O4	ES-O04-080515	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-O04-080515
East Site	O4	ES-O04-080515	AROCLOR 1260	0.00620	06/03/08	50226	N	ES-O04-080515
East Site	O4	ES-O04-080515	AROCLOR 1242	0.03600	06/03/08	50226	Y	ES-O04-080515
East Site	O4	ES-O04-080515	AROCLOR 1254	0.00310	06/03/08	50226	N	ES-O04-080515
East Site	O4	ES-O04-080515	AROCLOR 1242	0.07400	07/24/08	51426	Y	ES-O04-080515
East Site	O4	ES-O04-080515	AROCLOR 1248	0.00920	07/24/08	51426	N	ES-O04-080515
East Site	O4	ES-O04-080515	AROCLOR 1232	0.01400	07/24/08	51426	N	ES-O04-080515
East Site	O4	ES-O04-080515	AROCLOR 1254	0.00310	07/24/08	51426	N	ES-O04-080515
East Site	O4	ES-O04-080515	AROCLOR 1260	0.00620	07/24/08	51426	N	ES-O04-080515
East Site	O5	ES-O05-080520	AROCLOR 1254	0.02100	06/05/08	50293	Y	ES-O05-080520
East Site	O5	ES-O05-080520	AROCLOR 1242	0.06200	06/05/08	50293	Y	ES-O05-080520
East Site	O5	ES-O05-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-O05-080520
East Site	O5	ES-O05-080520	AROCLOR 1260	0.00620	06/05/08	50293	N	ES-O05-080520
East Site	O5	ES-O05-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-O05-080520
East Site	O6	ES-O06-080529	AROCLOR 1242	0.10000	06/13/08	50461	Y	ES-O06-080529
East Site	O6	ES-O06-080529	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-O06-080529
East Site	O6	ES-O06-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-O06-080529
East Site	O6	ES-O06-080529	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-O06-080529
East Site	O6	ES-O06-080529	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-O06-080529
East Site	O6	ES-O06-081111	AROCLOR 1242	0.08300	11/25/08	54430	Y	ES-O06-081111
East Site	O6	ES-O06-081111	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-O06-081111
East Site	O6	ES-O06-081111	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-O06-081111
East Site	O6	ES-O06-081111	AROCLOR 1248	0.00920	11/25/08	54430	N	ES-O06-081111
East Site	O6	ES-O06-081111	AROCLOR 1254	0.00310	11/25/08	54430	N	ES-O06-081111
East Site	O6	ES-O06-081111	AROCLOR 1242	0.04600	01/07/09	55140	Y	ES-O06-081111
East Site	O6	ES-O06-091105	AROCLOR 1242	0.01000	11/16/09	63017	N	ES-O06-091105
East Site	O6	ES-O06-091105	AROCLOR 1248	0.00920	11/16/09	63017	N	ES-O06-091105
East Site	O6	ES-O06-091105	AROCLOR 1232	0.01400	11/16/09	63017	N	ES-O06-091105
East Site	O6	ES-O06-091105	AROCLOR 1254	0.00310	11/16/09	63017	N	ES-O06-091105
East Site	O6	ES-O06-091105	AROCLOR 1260	0.00620	11/16/09	63017	N	ES-O06-091105
East Site	O7	ES-O07-080530	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-O07-080530
East Site	O7	ES-O07-080530	AROCLOR 1242	0.21000	06/13/08	50461	Y	ES-O07-080530
East Site	O7	ES-O07-080530	AROCLOR 1248	0.00910	06/13/08	50461	N	ES-O07-080530
East Site	O7	ES-O07-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-O07-080530
East Site	O7	ES-O07-080530	AROCLOR 1254	0.05200	06/13/08	50461	Y	ES-O07-080530
East Site	O7	ES-O07-100225	AROCLOR 1248	0.00900	03/05/10	65023	N	ES-O07-100225
East Site	O7	ES-O07-100225	AROCLOR 1232	0.01400	03/05/10	65023	N	ES-O07-100225
East Site	O7	ES-O07-100225	AROCLOR 1242	0.01000	03/05/10	65023	N	ES-O07-100225
East Site	O7	ES-O07-100225	AROCLOR 1254	0.00300	03/05/10	65023	N	ES-O07-100225
East Site	O7	ES-O07-100225	AROCLOR 1260	0.00600	03/05/10	65023	N	ES-O07-100225
East Site	O8	ES-O08-080530	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-O08-080530
East Site	O8	ES-O08-080530	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-O08-080530