MOLYBDENUM Results from 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	date	batch_id	_flag	sample_name
West	G3	WS-G03-080619	MOLYBDENUM	5.4	07/20/09	59621	Y	WS-G03-080619
West	G4	WS-G04-080616	MOLYBDENUM	5.9	07/29/09	59889	Y	WS-G04-080616
West	G6	WS-G06-080616	MOLYBDENUM	5.4	07/29/09	59889	Y	WS-G06-080616
West	G7	WS-G07-080617	MOLYBDENUM	5.5	06/29/09	58728	Y	WS-G07-080617
West	H1	WS-H01-080501	MOLYBDENUM	5.5	06/29/09	58728	Y	WS-H01-080501
West	H2	WS-H02-080618	MOLYBDENUM	5.8	07/20/09	59621	Y	WS-H02-080618
West	H3	WS-H03-080619	MOLYBDENUM	5	07/29/09	59889	Y	WS-H03-080619
West	H4	WS-H04-080616	MOLYBDENUM	5.4	07/29/09	59889	Y	WS-H04-080616
West	H6	WS-H06-080617	MOLYBDENUM	5.9	06/29/09	58728	Y	WS-H06-080617
West	I1	WS-I01-080501	MOLYBDENUM	4.1	06/29/09	58728	Y	WS-I01-080501
West	I1	WS-I01-080501	MOLYBDENUM	4.3	06/29/09	58728	Y	DUP-5
West	I2	WS-I02-080618	MOLYBDENUM	5.7	07/27/09	59757	Y	WS-I02-080618
West	I3	WS-I03-080618	MOLYBDENUM	6.1	07/29/09	59889	Y	WS-I03-080618
West	I4	WS-I04-080617	MOLYBDENUM	5.6	07/29/09	59889	Y	WS-I04-080617
West	I5	WS-I05-080617	MOLYBDENUM	6	06/29/09	58728	Y	WS-I05-080617
West	I6	WS-I06-080617	MOLYBDENUM	10.7	06/29/09	58728	Y	WS-I06-080617
West	J1	WS-J01-080505	MOLYBDENUM	4.9	06/29/09	58728	Y	DUP-6
West	J1	WS-J01-080505	MOLYBDENUM	4.9	06/29/09	58728	Y	WS-J01-080505
West	J2	WS-J02-080624	MOLYBDENUM	5.3	06/29/09	58728	Y	WS-J02-080624
West	J3	WS-J03-080620	MOLYBDENUM	5.1	07/07/09	59163	Y	WS-J03-080620
West	J4	WS-J04-080617	MOLYBDENUM	10.5	07/08/09	59163	Y	WS-J04-080617
West	J5	WS-J05-080618	MOLYBDENUM	6.5	07/08/09	59163	Y	WS-J05-080618
West	K1	WS-K01-080505	MOLYBDENUM	5.3	07/08/09	59163	Y	WS-K01-080505
West	K2	WS-K02-080509	MOLYBDENUM	5	07/08/09	59163	Y	WS-K02-080509
West	K3	WS-K03-080509	MOLYBDENUM	4.7	07/08/09	59163	Y	WS-K03-080509
West	K4	WS-K04-080513	MOLYBDENUM	4.2	07/08/09	59163	Y	WS-K04-080513
West	K4	WS-K04-080513	MOLYBDENUM	4.1	07/27/09	59757	Y	DUP-10
West	K5	WS-K05-080509	MOLYBDENUM	4.7	07/08/09	59163	Y	WS-K05-080509
West	L1	WS-L01-080505	MOLYBDENUM	4.8	07/08/09	59163	Y	WS-L01-080505
West	L2	WS-L02-080508	MOLYBDENUM	4.4	07/08/09	59163	Y	WS-L02-080508
West	L3	WS-L03-080508	MOLYBDENUM	4.3	07/08/09	59163	Y	WS-L03-080508
West	L4	WS-L04-080508	MOLYBDENUM	5.6	07/08/09	59163	Y	WS-L04-080508
West	L4	WS-L04-080508	MOLYBDENUM	5.7	07/08/09	59163	Y	DUP-9
West	M1	WS-M01-080505	MOLYBDENUM	4.1	07/08/09	59163	Y	DUP-7
West	M1	WS-M01-080505	MOLYBDENUM	4.1	07/08/09	59163	Y	WS-M01-080505
West	M2	WS-M02-080507	MOLYBDENUM	4.6	07/27/09	59757	Y	WS-M02-080507
West	M3	WS-M03-080507	MOLYBDENUM	4.4	07/20/09	59621	Y	DUP-8
West	M3	WS-M03-080507	MOLYBDENUM	4.8	08/05/09	60088	Y	WS-M03-080507
West	M4	WS-M04-080507	MOLYBDENUM	5.2	08/05/09	60088	Y	WS-M04-080507
West	N1	WS-N01-080506	MOLYBDENUM	4.1	08/05/09	60088	Y	WS-N01-080506
West	N2	WS-N02-080506	MOLYBDENUM	4.5	07/13/09	59381	Y	WS-N02-080506
West	N3	WS-N03-080507	MOLYBDENUM	4.4	06/29/09	58728	Y	WS-N03-080507
West	O1	WS-O01-080506	MOLYBDENUM	5.1	07/13/09	59381	Y	WS-O01-080506
West	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%	
Average LCS Recovery	N/A	97%	
Average Matrix Spike Recovery	N/A	83%	
Maximum LCS RPD	less than 20%	12%	
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 =	7.8 %
Overall QC Indicator Measurements	**Criteria**	**Measured**	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	0.85 %
NPS Replicate Test (Precision measure)	N/A	Standard Deviation =	2.0 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 the matrix spike recoveries representing four batches (49187, 49189, 54821-822, 57225) are less than the laboratory performance criteria minimum (70%). This indicates a potential low measurement bias. Three of these batches were associated only with analysis of background samples. 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 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, and nickel is not one of those 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)(2.0) = 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 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
BOR Sample 6-BOR 81	331	5/4/09	57431	Y

CRMs		Vendor Supplied Information
Mean	323	*"Made to"*
Standard Error	6.5	*380.0 mg/kg*
Median	325	
Standard Deviation	26	*Upper Acceptance Limit*
Sample Variance	676	*393.0 mg/kg*
Kurtosis	3.28	
Skewness	1.29	*Lower Acceptance Limit*
Range	108	*275.0 mg/kg*
Minimum	288	
Maximum	396	
Sum	5167	
Count	16	
Largest(2)	343	
Smallest(2)	292	

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

Replicate analyses of Single Sample	
Mean	17.8
Standard Error	0.51
Median	17.4
Standard Deviation	1.99
Sample Variance	3.94
Kurtosis	1.71
Skewness	0.60
Range	8.0
Minimum	13.8
Maximum	21.8
Sum	267.3
Count	15
Largest(2)	21.8
Smallest(2)	16.3

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 502	38.2	7/24/09	59759	WS-F05-080612	46.4	8/18/2009	19
BOR 505	25.3	7/24/09	59622	WS-K03-080509	27.4	7/8/2009	8
BOR 509	36.7	7/24/09	59759	WS-E06-080613	37.1	7/24/2009	1
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-10	23.6	7/24/09	59759	WS-K04-080513	24.8	7/8/2009	5
DUP-8	20.7	7/24/09	59622	WS-M03-080507	18.5	8/11/2009	11

RPD of Sample Splits	
Mean	9
Standard Error	1.553032
Median	7
Standard Deviation	8
Sample Variance	68
Kurtosis	1.56
Skewness	1.19
Range	34
Minimum	0
Maximum	34
Sum	256
Count	28
Largest(2)	28
Smallest(2)	19

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	370.5	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	382.5	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	370.5	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	400.5	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	391.5	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	338.5	1
WS-Z17-080618A	336	7/11/09	59383	Y		
WS-Z17-080618B	359	7/13/09	59383	Y	347.5	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	370.5	1
WS-Z16-080617A	370	7/30/09	59891	Y		
WS-Z16-080617B	374	7/30/09	59891	Y	372	1

Analysis of EQIS CRMs	
Mean	368.12
Standard Error	3.32
Median	372.50
Standard Deviation	19.37
Sample Variance	375.14
Kurtosis	-0.53
Skewness	-0.27
Range	73
Minimum	335
Maximum	408
Sum	12516
Count	34
Largest(2)	395
Smallest(2)	335

RPD of EQIS CRMs	
Mean	2.94
Standard Error	
Median	1.89
Standard Deviation	2.49
Sample Variance	6.21
Kurtosis	-0.50
Skewness	0.90
Range	7.76
Minimum	0.00
Maximum	7.76
Sum	49.91
Count	17
Largest(2)	7.41
Smallest(2)	0.53

Table Ni-6: Nickel Laboratory MS and LCS

Matrix Spike Recovery %	Batch Order		LCS Recovery %	Batch Order	
95	7160081	1	86	49187	2
97	7160081	1	96	49189	3
11	49187	2	101	49537	4
23	49189	3	98	49539	5
110	49537	4	92	54626-627	6
108	49539	5	92	54821-822	7
82	54626-627	6	93	54891	8
64	54821-822	7	90	54915	9
82	54891	8	97	57101	10
86	54915	9	99	57225	11
87	57101	10	98	57448	12
68	57225	11	93	57791	13
86	57448	12	96	57849	14
83	57791	13	89	58138	15
84	57849	14	114	58214	16
79	58138	15	111	58564	17
145	58214	16	93	58730	18
102	58564	17	93	59166	19
90	58730	18	95	59383	20
83	59166	19	105	59622	21
82	59383	20	95	59759	22
90	59622	21	94	59891	23
83	59759	22	96	60090	24
76	59891	23	104	60441	25
72	60090	24			
87	60441	25			

Average MS Recovery = 83 %
Minimum MS Recovery = 11 %

Average LCS Recovery = 97 %
Minimum LCS Recovery = 86 %

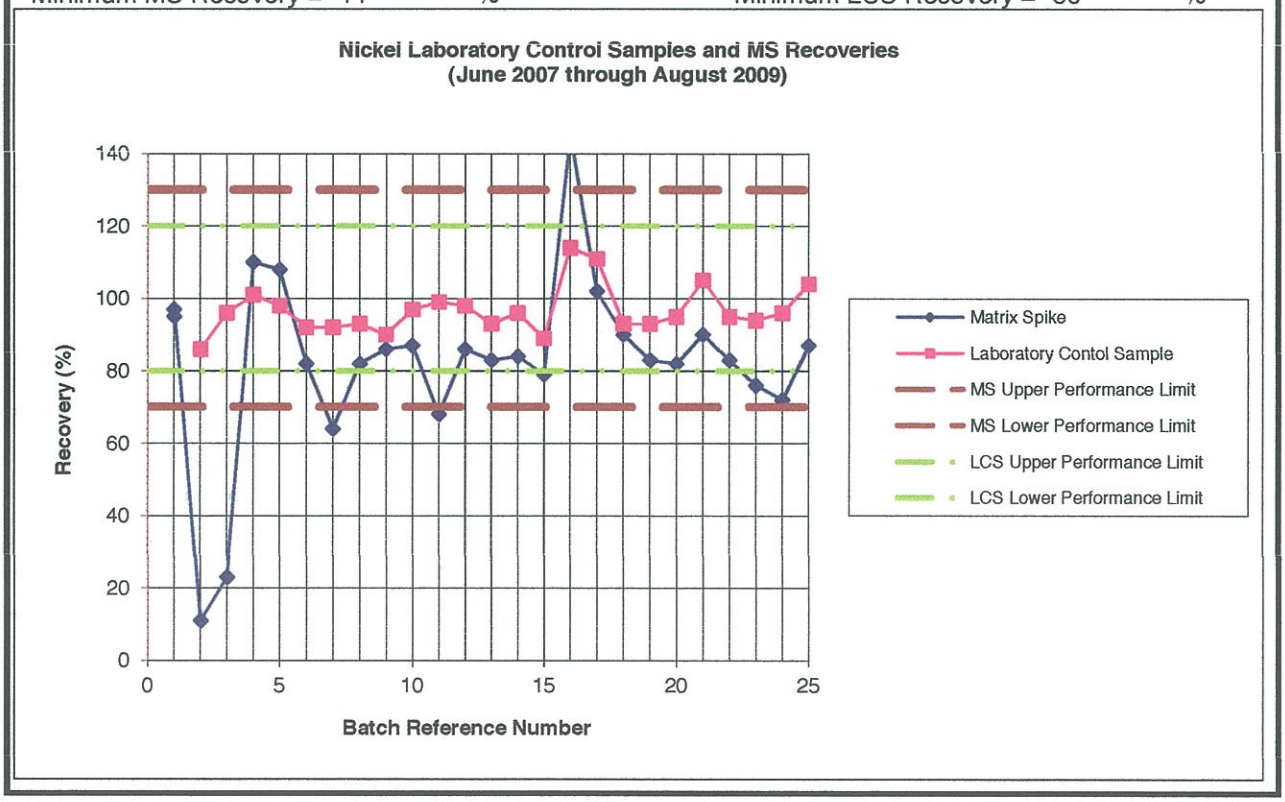
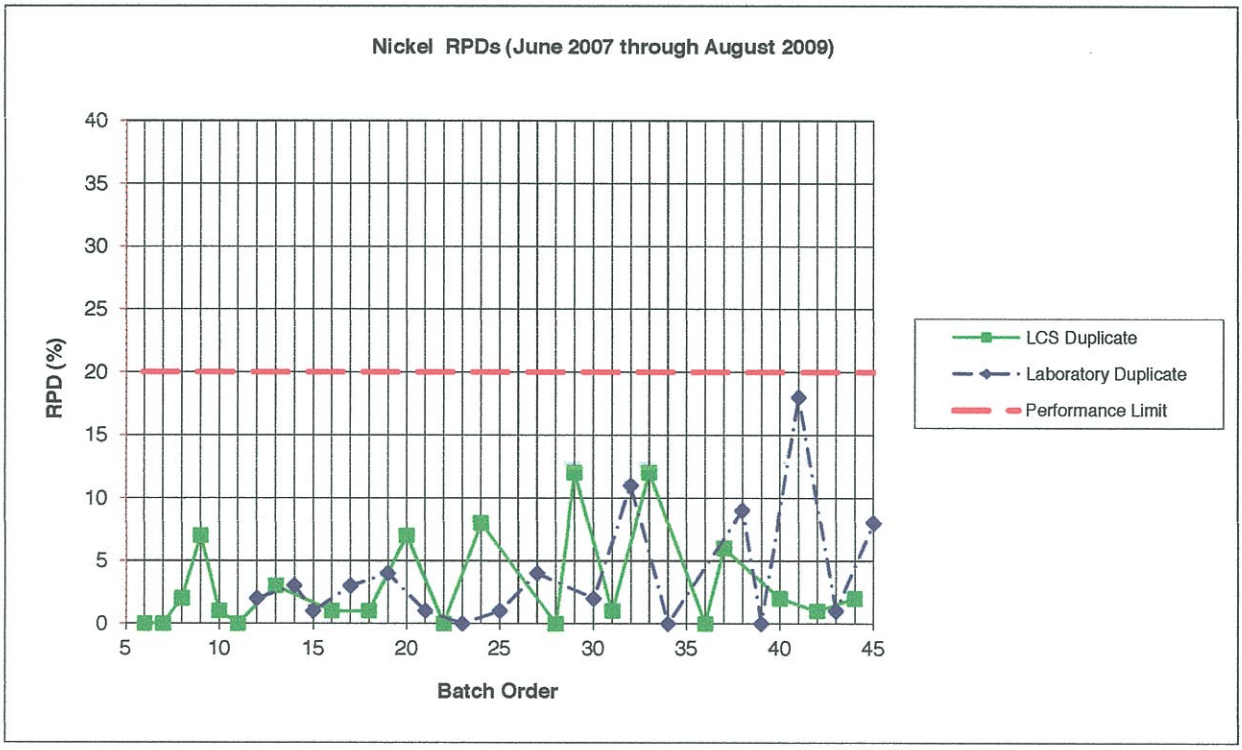


Table Ni-7: Nickel - Laboratory Duplicates and LCS Duplicates

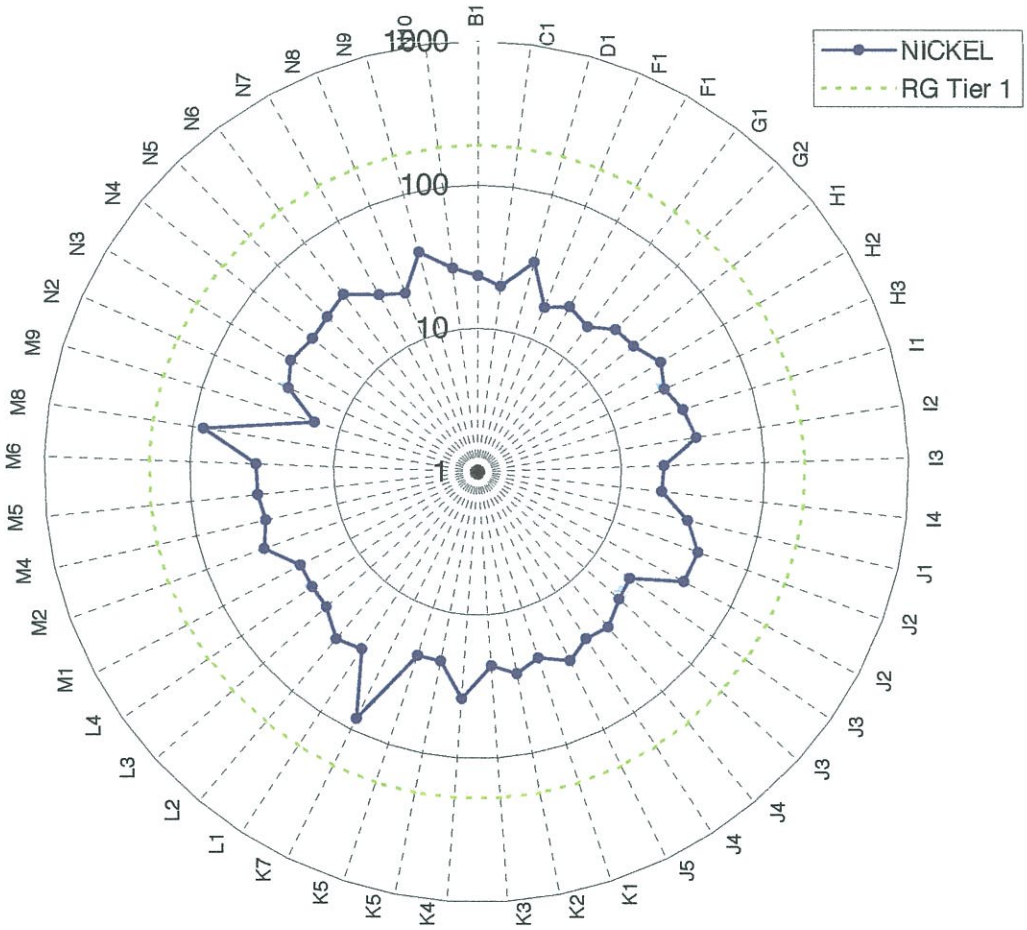
Laboratory Duplicate RPD	Batch	Order	LCS RPD	Batch	Order
2	57101	12	0	54626-627	6
3	57225	14	0	54821-822	7
1	57431	15	2	54891	8
3	57448	17	7	54915	9
4	57791	19	1	57101	10
1	57849	21	0	57225	11
0	58138	23	3	57431	13
1	58214	25	1	57448	16
4	58564	27	1	57791	18
2	58730	30	7	57849	20
11	59166	32	0	58138	22
0	59383	34	8	58214	24
9	59622	38	0	58564	28
0	59759	39	12	58730	29
18	59891	41	1	59166	31
1	60090	43	12	59383	33
8	60441	45	0	59622	36
			6	59759	37
			2	59891	40
			1	60090	42
			2	60441	44

Average Duplicate RPD = 4 %
Maximum Duplicate RPD = 18 %

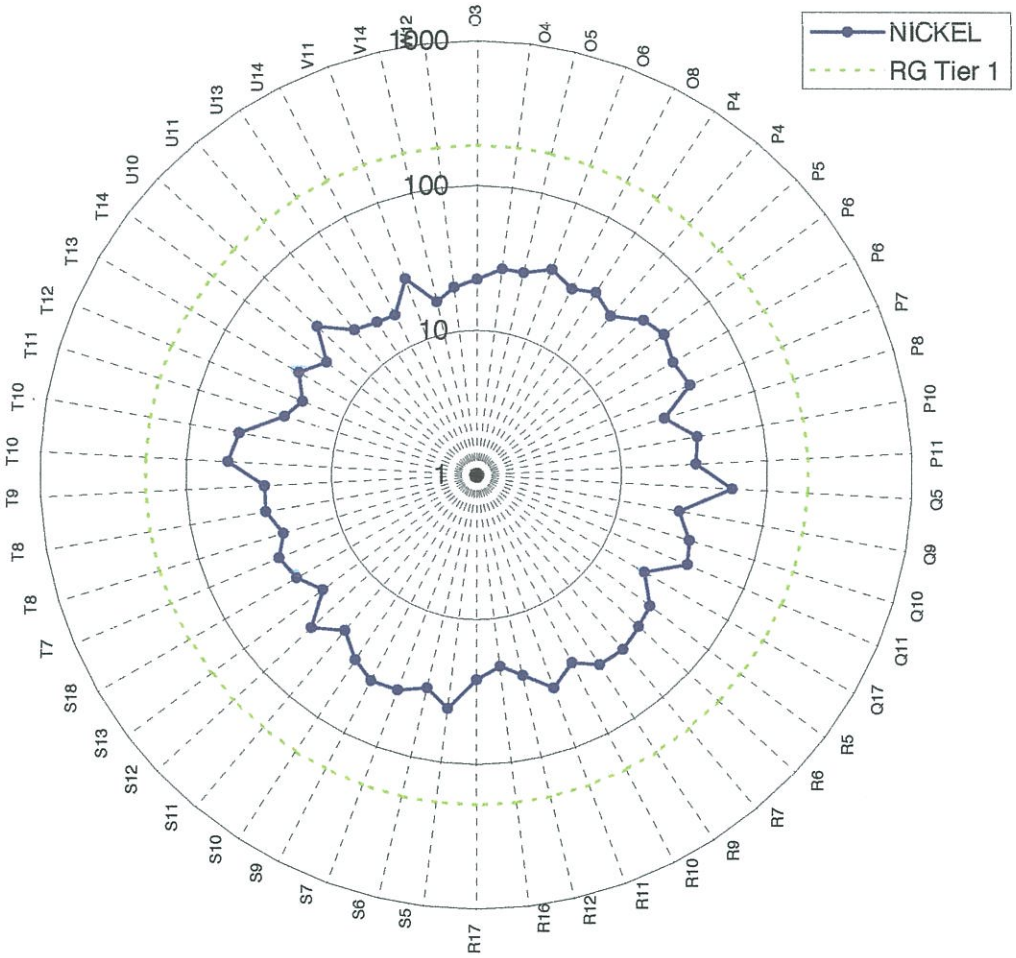
Average LCS RPD = 3 %
Maximum LCS RPD = 12 %



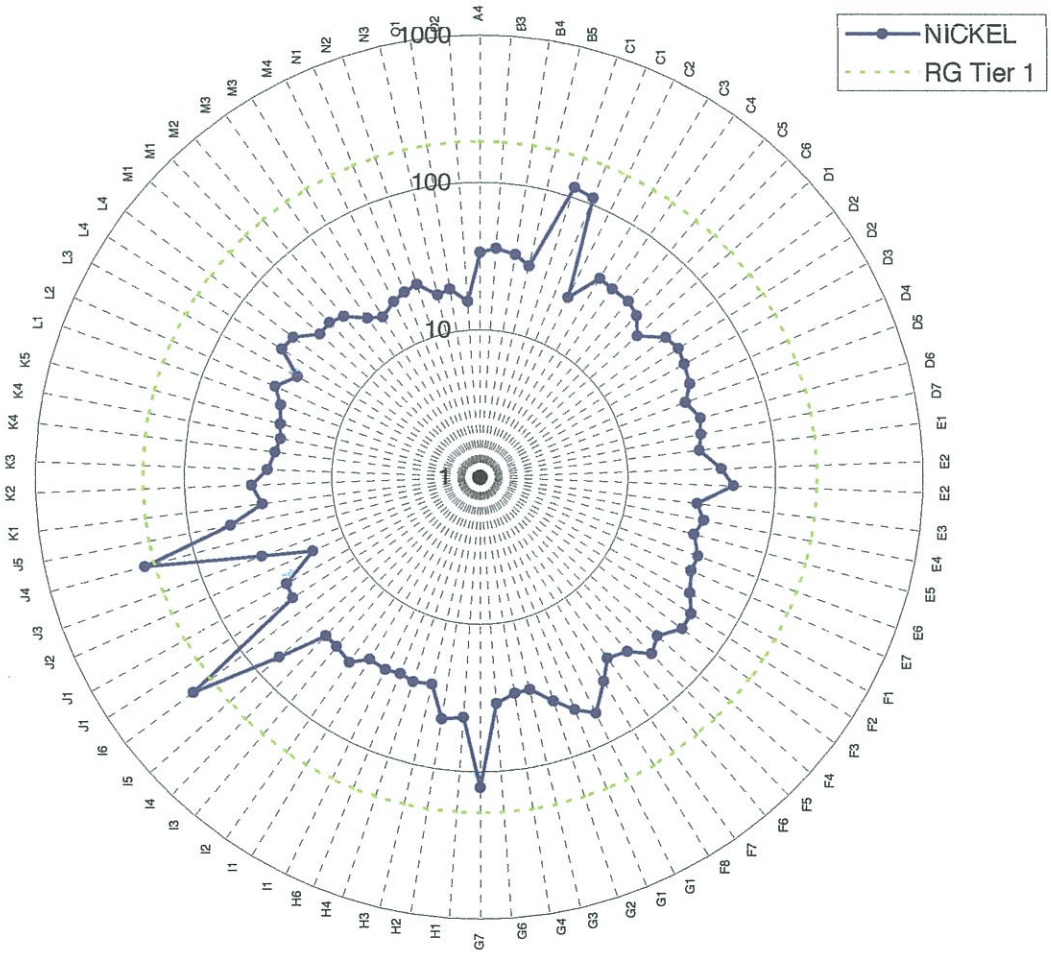
East Site
Grids A through N



East Site
Grids O through W



West Site


NICKEL
RG Tier 1
1000
100
10
1
A4
B3
B4
B5
C1
C1
C2
C3
C4
C5
C6
D1
D2
D2
D3
D4
D5
D6
D7
E1
E2
E2
E3
E4
E5
E6
E7
F1
F2
F3
F4
F5
F6
F7
F8
G1
G1
G2
G3
G4
G6
G7
H1
H2
H3
H4
H6
I1
I1
I2
I3
I4
I5
I6
J1
J1
J2
J3
J4
J5
K1
K2
K3
K4
K4
K5
L1
L2
L3
L4
L4
M1
M1
M2
M3
M3
M4
N1
N2
N3
O1
O2

Nickel Results from 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	B1	ES-B01-080623	NICKEL	23.3	05/03/09	57101	Y	ES-B01-080623
East	C1	ES-C01-080624	NICKEL	20.1	05/03/09	57101	Y	ES-C01-080624
East	D1	ES-D01-080624	NICKEL	32.6	06/05/09	58138	Y	ES-D01-080624
East	F1	ES-F01-080529	NICKEL	17.3	05/04/09	57431	Y	DUP-17
East	F1	ES-F01-080529	NICKEL	20.7	05/06/09	57448	Y	ES-F01-080529
East	G1	ES-G01-080529	NICKEL	18.5	05/06/09	57448	Y	ES-G01-080529
East	G2	ES-G02-080605	NICKEL	24	05/06/09	57448	Y	ES-G02-080605
East	H1	ES-H01-080528	NICKEL	24.8	05/06/09	57448	Y	ES-H01-080528
East	H2	ES-H02-080515	NICKEL	30.6	05/06/09	57448	Y	ES-H02-080515
East	H3	ES-H03-080605	NICKEL	26.4	05/27/09	57791	Y	ES-H03-080605
East	I1	ES-I01-080529	NICKEL	31.1	05/27/09	57791	Y	ES-I01-080529
East	I2	ES-I02-080514	NICKEL	35	05/27/09	57791	Y	ES-I02-080514
East	I3	ES-I03-080513	NICKEL	19.7	05/27/09	57791	Y	ES-I03-080513
East	I4	ES-I04-080602	NICKEL	19.3	05/27/09	57791	Y	ES-I04-080602
East	J1	ES-J01-080529	NICKEL	31.7	05/27/09	57791	Y	ES-J01-080529
East	J2	ES-J02-080527	NICKEL	42.9	05/06/09	57448	Y	DUP-15
East	J2	ES-J02-080527	NICKEL	42.2	05/27/09	57791	Y	ES-J02-080527
East	J3	ES-J03-080513	NICKEL	19.6	05/03/09	57101	Y	DUP-11
East	J3	ES-J03-080513	NICKEL	21.1	06/22/09	58564	Y	ES-J03-080513
East	J4	ES-J04-080530	NICKEL	25.9	05/06/09	57448	Y	DUP-18
East	J4	ES-J04-080530	NICKEL	24.3	05/27/09	57791	Y	ES-J04-080530
East	J5	ES-J05-080602	NICKEL	29.1	05/27/09	57791	Y	ES-J05-080602
East	K1	ES-K01-080602	NICKEL	23.1	05/27/09	57791	Y	ES-K01-080602
East	K2	ES-K02-080602	NICKEL	27.1	05/06/09	57448	Y	ES-K02-080602
East	K3	ES-K03-080514	NICKEL	22.7	05/27/09	57791	Y	ES-K03-080514
East	K4	ES-K04-080527	NICKEL	38.7	05/28/09	57849	Y	ES-K04-080527
East	K5	ES-K05-080605	NICKEL	22.1	05/28/09	57849	Y	ES-K05-080605
East	K5	ES-K05-080605	NICKEL	22.2	05/28/09	57849	Y	DUP-19
East	K7	ES-K07-080611	NICKEL	82.1	05/04/09	57431	Y	ES-K07-080611
East	L1	ES-L01-080625	NICKEL	29.8	05/28/09	57849	Y	ES-L01-080625
East	L2	ES-L02-080625	NICKEL	33.3	05/28/09	57849	Y	ES-L02-080625
East	L3	ES-L03-080604	NICKEL	25.6	05/28/09	57849	Y	ES-L03-080604
East	L4	ES-L04-080604	NICKEL	25	06/22/09	58564	Y	ES-L04-080604
East	M1	ES-M01-080527	NICKEL	24.5	05/28/09	57849	Y	ES-M01-080527
East	M2	ES-M02-080519	NICKEL	37.5	05/28/09	57849	Y	ES-M02-080519
East	M4	ES-M04-080515	NICKEL	32.1	05/28/09	57849	Y	ES-M04-080515
East	M5	ES-M05-080527	NICKEL	34.1	05/28/09	57849	Y	ES-M05-080527
East	M6	ES-M06-080520	NICKEL	34.4	05/28/09	57849	Y	ES-M06-080520
East	M8	ES-M08-080610	NICKEL	83.6	05/04/09	57431	Y	ES-M08-080610
East	M9	ES-M09-080611	NICKEL	15.2	05/04/09	57431	Y	ES-M09-080611
East	N2	ES-N02-080528	NICKEL	27.1	05/28/09	57849	Y	ES-N02-080528
East	N3	ES-N03-080520	NICKEL	32.2	05/28/09	57849	Y	ES-N03-080520
East	N4	ES-N04-080519	NICKEL	29.8	05/28/09	57849	Y	ES-N04-080519
East	N5	ES-N05-080519	NICKEL	31.7	05/28/09	57849	Y	ES-N05-080519
East	N6	ES-N06-080527	NICKEL	35.3	06/05/09	58138	Y	ES-N06-080527
East	N7	ES-N07-080530	NICKEL	25.6	06/05/09	58138	Y	ES-N07-080530
East	N8	ES-N08-080610	NICKEL	22	05/04/09	57431	Y	ES-N08-080610
East	N9	ES-N09-080610	NICKEL	38.5	05/04/09	57431	Y	ES-N09-080610
East	N10	ES-N10-080610	NICKEL	26.9	05/04/09	57431	Y	ES-N10-080610

Nickel Results from 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	O3	ES-O03-080528	NICKEL	22.5	06/05/09	58138	Y	ES-O03-080528
East	O4	ES-O04-080515	NICKEL	27.2	06/05/09	58138	Y	ES-O04-080515
East	O5	ES-O05-080520	NICKEL	27.2	06/05/09	58138	Y	ES-O05-080520
East	O6	ES-O06-080529	NICKEL	32.7	06/05/09	58138	Y	ES-O06-080529
East	O8	ES-O08-080530	NICKEL	27.8	07/24/09	59759	Y	ES-O08-080530
East	P4	ES-P04-080528	NICKEL	32	05/27/09	57791	Y	DUP-16
East	P4	ES-P04-080528	NICKEL	27.2	06/05/09	58138	Y	ES-P04-080528
East	P5	ES-P05-080513	NICKEL	37.4	06/05/09	58138	Y	ES-P05-080513
East	P6	ES-P06-080515	NICKEL	41.4	05/27/09	57791	Y	DUP-12
East	P6	ES-P06-080515	NICKEL	36.5	06/05/09	58138	Y	ES-P06-080515
East	P7	ES-P07-080519	NICKEL	39.6	05/28/09	57849	Y	ES-P07-080519
East	P8	ES-P08-080530	NICKEL	22.7	06/05/09	58138	Y	ES-P08-080530
East	P10	ES-P10-080606	NICKEL	34.9	05/04/09	57431	Y	ES-P10-080606
East	P11	ES-P11-080606	NICKEL	32.5	05/04/09	57431	Y	ES-P11-080606
East	Q5	ES-Q05-080520	NICKEL	57.7	06/05/09	58138	Y	ES-Q05-080520
East	Q9	ES-Q09-080612	NICKEL	26.2	06/05/09	58138	Y	ES-Q09-080612
East	Q10	ES-Q10-080606	NICKEL	34.1	05/06/09	57448	Y	ES-Q10-080606
East	Q11	ES-Q11-080606	NICKEL	37.8	05/06/09	57448	Y	ES-Q11-080606
East	Q17	ES-Q17-080609	NICKEL	21.7	05/03/09	57101	Y	ES-Q17-080609
East	R5	ES-R05-080521	NICKEL	31.6	06/05/09	58138	Y	ES-R05-080521
East	R6	ES-R06-080521	NICKEL	33.9	06/22/09	58564	Y	ES-R06-080521
East	R7	ES-R07-080521	NICKEL	37.1	06/12/09	58214	Y	ES-R07-080521
East	R9	ES-R09-080520	NICKEL	36.2	06/12/09	58214	Y	ES-R09-080520
East	R10	ES-R10-080602	NICKEL	28.5	06/12/09	58214	Y	ES-R10-080602
East	R11	ES-R11-080605	NICKEL	36.6	05/06/09	57448	Y	ES-R11-080605
East	R12	ES-R12-080611	NICKEL	26.3	05/06/09	57448	Y	ES-R12-080611
East	R16	ES-R16-080605	NICKEL	21.5	05/03/09	57101	Y	ES-R16-080605
East	R17	ES-R17-080606	NICKEL	26	05/03/09	57101	Y	ES-R17-080606
East	S5	ES-S05-080521	NICKEL	42.3	06/12/09	58214	Y	ES-S05-080521
East	S6	ES-S06-080521	NICKEL	32.3	06/12/09	58214	Y	ES-S06-080521
East	S7	ES-S07-080521	NICKEL	38.1	06/12/09	58214	Y	ES-S07-080521
East	S9	ES-S09-080522	NICKEL	39.5	06/12/09	58214	Y	ES-S09-080522
East	S10	ES-S10-080523	NICKEL	33.4	06/12/09	58214	Y	ES-S10-080523
East	S11	ES-S11-080528	NICKEL	25.4	06/12/09	58214	Y	ES-S11-080528
East	S12	ES-S12-080609	NICKEL	35.5	05/03/09	57101	Y	ES-S12-080609
East	S13	ES-S13-080610	NICKEL	20.9	05/03/09	57101	Y	ES-S13-080610
East	S18	ES-S18-080606	NICKEL	26.7	05/03/09	57101	Y	ES-S18-080606
East	T7	ES-T07-080612	NICKEL	29.9	06/12/09	58214	Y	ES-T07-080612
East	T8	ES-T08-080522	NICKEL	24.4	06/05/09	58138	Y	DUP-13
East	T8	ES-T08-080522	NICKEL	29.6	06/12/09	58214	Y	ES-T08-080522
East	T9	ES-T09-080522	NICKEL	28.9	06/12/09	58214	Y	ES-T09-080522
East	T10	ES-T10-080523	NICKEL	51.8	06/12/09	58214	Y	ES-T10-080523
East	T10	ES-T10-080523	NICKEL	45.6	06/12/09	58214	Y	DUP-14
East	T11	ES-T11-080530	NICKEL	23.9	06/12/09	58214	Y	ES-T11-080530
East	T12	ES-T12-080609	NICKEL	19.9	05/03/09	57101	Y	ES-T12-080609
East	T13	ES-T13-080609	NICKEL	25.7	05/03/09	57101	Y	ES-T13-080609
East	T14	ES-T14-080610	NICKEL	19.5	05/03/09	57101	Y	ES-T14-080610
East	U10	ES-U10-080523	NICKEL	31.7	06/12/09	58214	Y	ES-U10-080523
East	U11	ES-U11-080602	NICKEL	20.2	06/22/09	58564	Y	ES-U11-080602

Nickel Results from 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	U13	ES-U13-080610	NICKEL	18	05/04/09	57431	Y	ES-U13-080610
East	U14	ES-U14-080610	NICKEL	17.3	05/04/09	57431	Y	ES-U14-080610
East	V11	ES-V11-080529	NICKEL	27.8	06/22/09	58564	Y	ES-V11-080529
East	V14	ES-V14-080605	NICKEL	16.9	05/04/09	57431	Y	ES-V14-080605
East	W12	ES-W12-080527	NICKEL	20.3	06/22/09	58564	Y	ES-W12-080527
West	A4	WS-A04-080626	NICKEL	33.6	07/11/09	59383	Y	WS-A04-080626
West	B3	WS-B03-080502	NICKEL	36.1	07/11/09	59383	Y	WS-B03-080502
West	B4	WS-B04-080626	NICKEL	33.8	07/11/09	59383	Y	WS-B04-080626
West	B5	WS-B05-080626	NICKEL	29.6	07/24/09	59759	Y	WS-B05-080626
West	C1	WS-C01-080501	NICKEL	117	06/22/09	58564	Y	WS-C01-080501
West	C1	WS-C01-080501	NICKEL	110	06/22/09	58564	Y	DUP-3
West	C2	WS-C02-080428	NICKEL	22.7	07/24/09	59622	Y	WS-C02-080428
West	C3	WS-C03-080620	NICKEL	37.5	07/24/09	59622	Y	WS-C03-080620
West	C4	WS-C04-080623	NICKEL	36.3	07/24/09	59622	Y	WS-C04-080623
West	C5	WS-C05-080620	NICKEL	36.2	07/24/09	59759	Y	WS-C05-080620
West	C6	WS-C06-080624	NICKEL	33.4	07/24/09	59759	Y	WS-C06-080624
West	D1	WS-D01-080430	NICKEL	27	06/22/09	58564	Y	WS-D01-080430
West	D2	WS-D02-080429	NICKEL	37.5	07/11/09	59383	Y	DUP-2
West	D2	WS-D02-080429	NICKEL	40.1	07/24/09	59622	Y	WS-D02-080429
West	D3	WS-D03-080620	NICKEL	38.3	07/24/09	59622	Y	WS-D03-080620
West	D4	WS-D04-080623	NICKEL	36.1	08/17/09	60441	Y	WS-D04-080623
West	D5	WS-D05-080620	NICKEL	30.3	07/24/09	59759	Y	WS-D05-080620
West	D6	WS-D06-080619	NICKEL	35.2	07/24/09	59759	Y	WS-D06-080619
West	D7	WS-D07-080619	NICKEL	33.2	07/24/09	59759	Y	WS-D07-080619
West	E1	WS-E01-080430	NICKEL	31.2	06/22/09	58564	Y	WS-E01-080430
West	E2	WS-E02-080428	NICKEL	42.7	07/11/09	59383	Y	DUP-1
West	E2	WS-E02-080428	NICKEL	51.7	07/24/09	59622	Y	WS-E02-080428
West	E3	WS-E03-080619	NICKEL	30.1	07/24/09	59622	Y	WS-E03-080619
West	E4	WS-E04-080613	NICKEL	34.6	07/24/09	59759	Y	WS-E04-080613
West	E5	WS-E05-080613	NICKEL	31.4	07/24/09	59759	Y	WS-E05-080613
West	E6	WS-E06-080613	NICKEL	37.1	07/24/09	59759	Y	WS-E06-080613
West	E7	WS-E07-080613	NICKEL	36.6	07/24/09	59759	Y	WS-E07-080613
West	F1	WS-F01-080429	NICKEL	42	06/22/09	58564	Y	WS-F01-080429
West	F2	WS-F02-080429	NICKEL	50.5	07/24/09	59622	Y	WS-F02-080429
West	F3	WS-F03-080619	NICKEL	51.5	07/24/09	59622	Y	WS-F03-080619
West	F4	WS-F04-080616	NICKEL	40.8	07/30/09	59891	Y	WS-F04-080616
West	F5	WS-F05-080612	NICKEL	46.4	08/18/09	60441	Y	WS-F05-080612
West	F6	WS-F06-080612	NICKEL	35	07/30/09	59891	Y	WS-F06-080612
West	F7	WS-F07-080617	NICKEL	31.4	06/30/09	58730	Y	WS-F07-080617
West	F8	WS-F08-080618	NICKEL	41.5	06/30/09	58730	Y	WS-F08-080618
West	G1	WS-G01-080501	NICKEL	60.3	06/22/09	58564	Y	DUP-4
West	G1	WS-G01-080501	NICKEL	50.5	06/30/09	58730	Y	WS-G01-080501
West	G2	WS-G02-080618	NICKEL	39.6	07/24/09	59622	Y	WS-G02-080618
West	G3	WS-G03-080619	NICKEL	30.1	07/24/09	59622	Y	WS-G03-080619
West	G4	WS-G04-080616	NICKEL	30.5	07/30/09	59891	Y	WS-G04-080616
West	G6	WS-G06-080616	NICKEL	34.7	07/30/09	59891	Y	WS-G06-080616
West	G7	WS-G07-080617	NICKEL	128	06/30/09	58730	Y	WS-G07-080617
West	H1	WS-H01-080501	NICKEL	43.2	06/30/09	58730	Y	WS-H01-080501
West	H2	WS-H02-080618	NICKEL	45.9	07/24/09	59622	Y	WS-H02-080618

Nickel Results from 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	H3	WS-H03-080619	NICKEL	27.8	07/30/09	59891	Y	WS-H03-080619
West	H4	WS-H04-080616	NICKEL	28.8	07/30/09	59891	Y	WS-H04-080616
West	H6	WS-H06-080617	NICKEL	27.5	06/30/09	58730	Y	WS-H06-080617
West	I1	WS-I01-080501	NICKEL	28.4	06/30/09	58730	Y	WS-I01-080501
West	I1	WS-I01-080501	NICKEL	27.8	06/30/09	58730	Y	DUP-5
West	I2	WS-I02-080618	NICKEL	34.1	07/24/09	59759	Y	WS-I02-080618
West	I3	WS-I03-080618	NICKEL	31.8	07/30/09	59891	Y	WS-I03-080618
West	I4	WS-I04-080617	NICKEL	31.4	07/30/09	59891	Y	WS-I04-080617
West	I5	WS-I05-080617	NICKEL	66.7	06/30/09	58730	Y	WS-I05-080617
West	I6	WS-I06-080617	NICKEL	268	06/30/09	58730	Y	WS-I06-080617
West	J1	WS-J01-080505	NICKEL	32.1	06/30/09	58730	Y	DUP-6
West	J1	WS-J01-080505	NICKEL	31.2	06/30/09	58730	Y	WS-J01-080505
West	J2	WS-J02-080624	NICKEL	17.1	06/30/09	58730	Y	WS-J02-080624
West	J3	WS-J03-080620	NICKEL	36.9	07/08/09	59166	Y	WS-J03-080620
West	J4	WS-J04-080617	NICKEL	221	07/08/09	59166	Y	WS-J04-080617
West	J5	WS-J05-080618	NICKEL	52.1	07/08/09	59166	Y	WS-J05-080618
West	K1	WS-K01-080505	NICKEL	30.3	07/08/09	59166	Y	WS-K01-080505
West	K2	WS-K02-080509	NICKEL	35	07/08/09	59166	Y	WS-K02-080509
West	K3	WS-K03-080509	NICKEL	27.4	07/08/09	59166	Y	WS-K03-080509
West	K4	WS-K04-080513	NICKEL	24.8	07/08/09	59166	Y	WS-K04-080513
West	K4	WS-K04-080513	NICKEL	23.6	07/24/09	59759	Y	DUP-10
West	K5	WS-K05-080509	NICKEL	24.8	07/08/09	59166	Y	WS-K05-080509
West	L1	WS-L01-080505	NICKEL	26.9	07/08/09	59166	Y	WS-L01-080505
West	L2	WS-L02-080508	NICKEL	32.5	07/08/09	59166	Y	WS-L02-080508
West	L3	WS-L03-080508	NICKEL	25.4	07/08/09	59166	Y	WS-L03-080508
West	L4	WS-L04-080508	NICKEL	39.3	07/08/09	59166	Y	WS-L04-080508
West	L4	WS-L04-080508	NICKEL	37.8	07/08/09	59166	Y	DUP-9
West	M1	WS-M01-080505	NICKEL	28.3	07/08/09	59166	Y	WS-M01-080505
West	M1	WS-M01-080505	NICKEL	28.7	07/08/09	59166	Y	DUP-7
West	M2	WS-M02-080507	NICKEL	26.6	07/24/09	59759	Y	WS-M02-080507
West	M3	WS-M03-080507	NICKEL	20.7	07/24/09	59622	Y	DUP-8
West	M3	WS-M03-080507	NICKEL	18.5	08/11/09	60090	Y	WS-M03-080507
West	M4	WS-M04-080507	NICKEL	21	08/11/09	60090	Y	WS-M04-080507
West	N1	WS-N01-080506	NICKEL	22.6	08/11/09	60090	Y	WS-N01-080506
West	N2	WS-N02-080506	NICKEL	23.7	07/11/09	59383	Y	WS-N02-080506
West	N3	WS-N03-080507	NICKEL	18.5	06/30/09	58730	Y	WS-N03-080507
West	O1	WS-O01-080506	NICKEL	19.6	07/11/09	59383	Y	WS-O01-080506
West	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%	90%	
Minimum Matrix Spike Recovery	greater than 70%	9%	
Average LCS Recovery	N/A	100%	
Average Matrix Spike Recovery	N/A	61%	
Maximum LCS RPD	less than 20%	11%	
Maximum Laboratory Duplicate RPD	less than 20%	152%	
Average LCS RPD	N/A	3%	
Average Laboratory Duplicate RPD	N/A	31%	
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 =	181 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	86 %
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 =	0.10 mg/kg
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal	1.9		
Tier 2 Remediation Goal	14		
QC Derived Reliance Level	10.2 mg/kg	See Note 2	

Comments: An average recovery of 89.7% from NPS CRMs, and an average LCS recovery of 100% indicate good accuracy. A low average matrix spike recovery (61%) 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 (0.10 mg/kg) relative to the estimated mean (0.47 mg/kg). The minimum recovery of selenium from the NPS CRM (less than 0.14 mg/kg) is considerably 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 grids. The selenium Tier 1 RG (1.9 mg/kg) is significantly lower than the Tier 2 RG (14 mg/kg), so a derived reliance level based on the Tier 2 RG does not provide an ideal basis to evaluate decision confidence related to Tier 1 RG achievement. A modified reliance level calculated using the Tier 1 RG rather than Tier 2 RG is 1.3 mg/kg, which is significantly less than the Tier 1 RG and indicates good data quality relative to the Tier 1 RG. The highest CVS measured concentration is much less than this RL. Hence, it is concluded that the observed accuracy and precision issues for selenium measurements are not expected to significantly influence the selenium RG achievement evaluations. Therefore, it is concluded 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, and selenium is not one of them.

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 significantly greater CVS matrix interference than indicated 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)(.61)-(0.84)(.1) =10.2 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 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 111	3.8	8/27/09	60257	Y
BOR Sample 9-BOR 107	2.9	8/27/09	59930	Y
BOR Sample 6-BOR 81	3.2	5/7/09	57447	Y

CRMs		Vendor Supplied Information
Mean	3.41	*Made to*
Standard Error	0.30	*3.80 mg/kg*
Median	3.70	
Standard Deviation	1.21	*Upper Acceptance Limit*
Sample Variance	1.47	*4.26 mg/kg*
Kurtosis	2.35	
Skewness	-1.20	*Lower Acceptance Limit*
Range	4.96	*2.78 mg/kg*
Minimum	0.14	
Maximum	5.10	
Sum	54.54	
Count	16	
Largest(2)	4.6	
Smallest(2)	2.3	

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

Replicate analyses of Single Sample	
Mean	0.47
Standard Error	0.03
Median	0.51
Standard Deviation	0.10
Sample Variance	0.01
Kurtosis	-0.27
Skewness	-0.74
Range	0.35
Minimum	0.25
Maximum	0.6
Sum	7.03
Count	15
Largest(2)	0.57
Smallest(2)	0.33

Table Se-4: 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	0.1	6/9/2009	
BOR 507	3	7/8/09	59134	ES-O09-080610			
BOR 508	0.16	7/17/09	59325	ES-Q11-080606	0.1	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	
BOR 505	0.48	7/30/09	59931	WS-K03-080509	0.46	7/27/2009	4
BOR 500	0.44	8/27/09	60257	WS-F01-080429	0.46	7/17/2009	4
BOR 502	0.44	8/27/09	59930	WS-F05-080612	0.39	8/27/2009	12
DUP-11	0.36	4/27/09	57237	ES-J03-080513	0.5	7/17/2009	176
DUP-17	0.38	5/7/09	57447	ES-F01-080529	0.66	5/22/2009	178
DUP-15	0.24	5/23/09	57705	ES-J02-080527	0.094	6/5/2009	83
DUP-18	0.18	5/23/09	57705	ES-J04-080530	0.27	6/5/2009	181
DUP-12	0.11	6/5/09	58141	ES-P06-080515	0.12	7/7/2009	
DUP-16	0.11	6/5/09	58141	ES-P04-080528	0.11	7/7/2009	
DUP-19	0.24	6/10/09	58209	ES-K05-080605	0.29	6/9/2009	22
DUP-13	0.24	7/7/09	59134	ES-T08-080522	0.2	7/11/2009	15
DUP-14	0.14	7/12/09	59326	ES-T10-080523	0.23	7/11/2009	113
DUP-3	0.35	7/17/09	59325	WS-C01-080501	0.3	7/17/2009	4
DUP-4	0.41	7/17/09	59325	WS-G01-080501	0.27	7/18/2009	29
DUP-5	0.44	7/19/09	59422	WS-I01-080501	0.41	7/18/2009	8
DUP-6	0.72	7/19/09	59422	WS-J01-080505	0.38	7/18/2009	6
DUP-1	0.36	7/27/09	59707	WS-E02-080428	0.33	7/30/2009	2
DUP-2	0.16	7/27/09	59707	WS-D02-080429	0.16	7/30/2009	13
DUP-7	0.55	7/27/09	59706	WS-M01-080505	0.56	7/27/2009	0
DUP-9	0.21	7/28/09	59706	WS-L04-080508	0.45	7/27/2009	32
DUP-8	0.24	7/30/09	59931	WS-M03-080507	0.77	8/25/2009	18
DUP-10	0.56	8/26/09	59930	WS-K04-080513	0.13	7/27/2009	

Value represents reporting limit

RPD of Sample Splits	
Mean	43.57
Standard Error	12.4
Median	17.1
Standard Deviation	59.6
Sample Variance	3550.9
Kurtosis	1.5
Skewness	1.7
Range	181.0
Minimum	0.0
Maximum	181.0
Sum	1002.1
Count	23
Largest(2)	177.7
Smallest(2)	2.0

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	1.80	44
ES-Z09-080529A	0.35	5/6/09	57447	Y		
ES-Z09-080529B	0.21	5/6/09	57447	Y	0.28	50
ES-Z12-080606A	0.15	5/6/09	57447	Y		
ES-Z12-080606B	0.34	5/6/09	57447	Y	0.25	78
ES-Z05-080519A	0.13	5/23/09	57705	N		
ES-Z05-080519B	0.15	5/23/09	57705	N	0.14	14
ES-Z06-080520A	0.24	5/23/09	57705	Y		
ES-Z06-080520B	0.15	5/25/09	57705	N	0.20	46
ES-Z07-080522A	0.23	6/6/09	58141	Y		
ES-Z07-080522B	0.16	6/6/09	58141	N	0.20	36
ES-Z13-080610A	0.17	6/10/09	58209	N		
ES-Z13-080610B	0.17	6/10/09	58209	N	0.17	0
ES-Z10-080602A	0.19	7/7/09	59134	N		
ES-Z10-080602B	0.24	7/7/09	59134	Y	0.22	23
ES-Z08-080527A	0.32	7/12/09	59326	Y		
ES-Z08-080527B	0.37	7/12/09	59326	Y	0.35	14
ES-Z14-080611A	0.6	7/17/09	59325	Y		
ES-Z14-080611B	0.24	7/17/09	59325	Y	0.42	86
ES-Z06-080520C	0.19	7/19/09	59422	N		
ES-Z06-080520D	0.25	7/19/09	59422	Y	0.22	27
ES-Z19-080624A	0.19	7/27/09	59707	N		
ES-Z19-080624B	0.16	7/27/09	59707	N	0.18	17
WS-Z17-080618A	0.16	7/27/09	59707	N		
WS-Z17-080618B	0.18	7/27/09	59707	N	0.17	12
ES-Z05-080519C	0.15	7/28/09	59706	N		
ES-Z05-080519D	0.15	7/28/09	59706	N	0.15	0
WS-Z15-080613A	0.31	7/30/09	59931	Y		
WS-Z15-080613B	0.17	7/30/09	59931	Y	0.24	58
WS-Z18-080620A	0.28	7/30/09	59931	Y		
WS-Z18-080620B	0.27	7/30/09	59931	Y	0.28	4
WS-Z16-080617A	0.2	8/27/09	60257	Y		
WS-Z16-080617B	0.23	8/27/09	60257	Y	0.22	14

Analysis of EQIS CRMs	
Mean	0.3
Standard Error	0.1
Median	0.2
Standard Deviation	0.4
Sample Variance	0.2
Kurtosis	16.6
Skewness	4.0
Range	2.1
Minimum	0.1
Maximum	2.2
Sum	10.9
Count	34
Largest(2)	1.4
Smallest(2)	0.2

RPD of EQIS CRMs	
Mean	30.82
Standard Error	
Median	23.26
Standard Deviation	26.04
Sample Variance	678.23
Kurtosis	-0.21
Skewness	0.80
Range	85.71
Minimum	0.00
Maximum	85.71
Sum	523.90
Count	17
Largest(2)	77.55
Smallest(2)	0.00

Table Se-6: Selenium Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
91	7160081	1	102	49237	2
88	7160081	1	90	49238	3
22	49237	2	95	49521	4
18	49238	3	92	49522	5
86	49521	4	95	54752	6
61	49522	5	105	54876	7
9	54752	6	115	54952	8
35	54876	7	110	54953	9
86	54952	8	100	57237	10
64	54953	9	105	57238	11
62	57237	10	110	57705	12
114	57238	11	105	58141	13
49	57705	12	100	58209	14
50	58141	13	95	59134	15
47	58209	14	90	59325	16
60	59134	15	100	59326	17
75	59325	16	110	59422	18
60	59326	17	100	59706	19
86	59422	18	100	59707	20
49	59706	19	105	59931	21
73	59707	20	95	59930	22
79	59931	21	95	60257	23
57	59930	22	100	60258	24
41	60257	23	90	60651	25
74	60258	24			
62	60651	25			

Average MS Recovery = 61 %
Minimum MS Recovery = 9 %

Average LCS Recovery = 100 %
Minimum LCS Recovery = 90 %

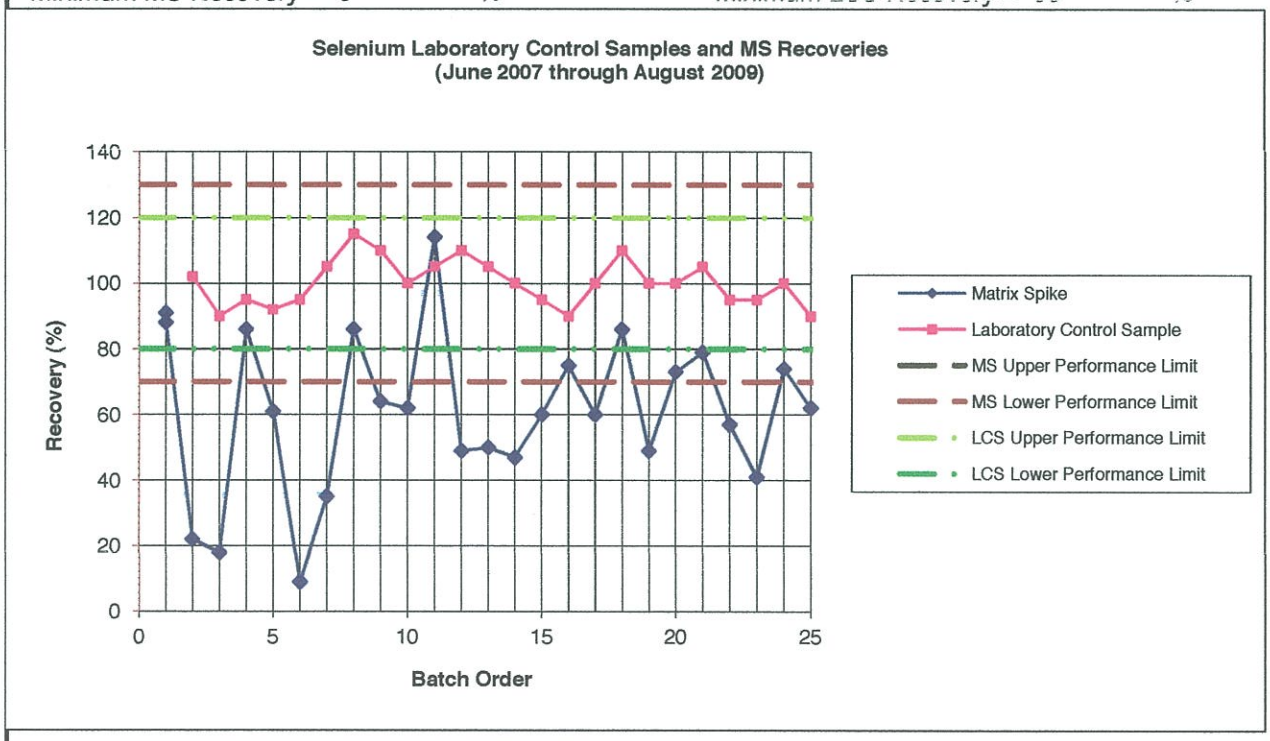
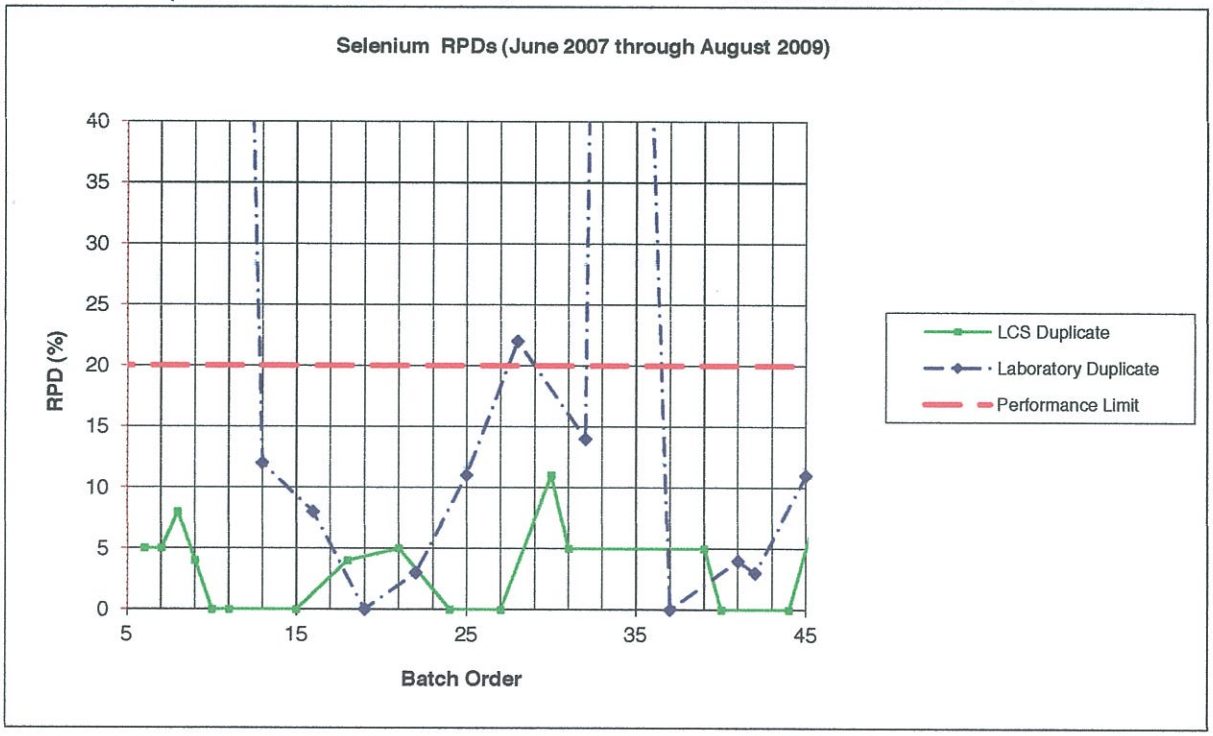


Table Se-7: Selenium - Laboratory Duplicates and LCS Duplicates

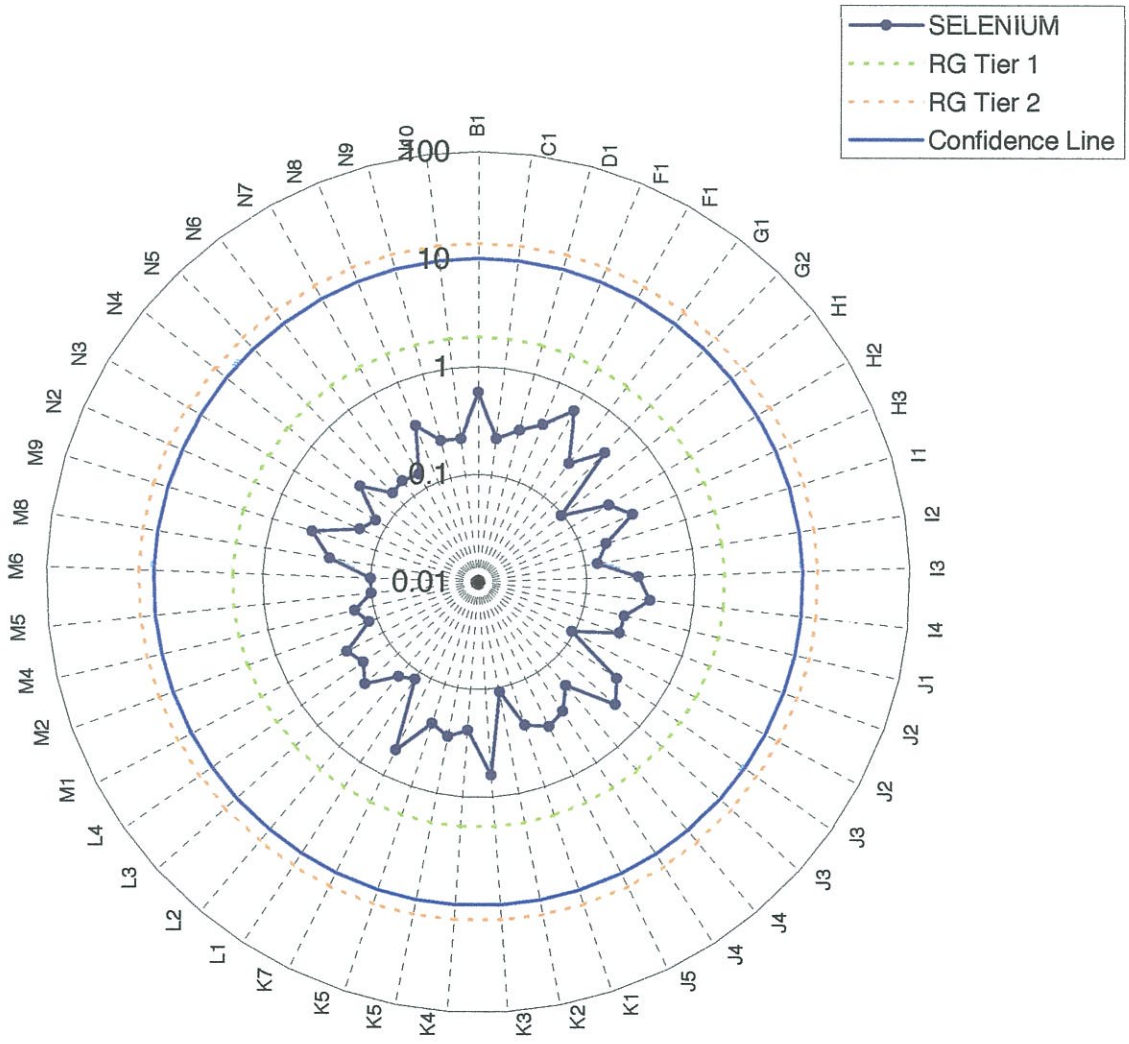
Laboratory Duplicate RPD	Batch	Order	LCS Duplicate RPD	Batch	Order
62	57237	12	5	54752	6
12	57238	13	5	54876	7
8	57447	16	8	54952	8
0	57705	19	4	54953	9
3	58141	22	0	57237	10
11	58209	25	0	57238	11
22	59134	28	0	57447	15
14	59325	32	4	57705	18
152	59326	33	5	58141	21
0	59422	37	0	58209	24
4	59706	41	0	59134	27
3	59707	42	11	59325	30
11	59931	45	5	59326	31
13	60258	50	5	59706	39
67	59930	52	0	59707	40
136	60651	55	0	59931	44
15	60257	56	10	59930	46
			0	60257	47
			0	60258	48
			5	60651	49

Average Duplicate RPD = 31 %
Maximum Duplicate RPD = 152 %

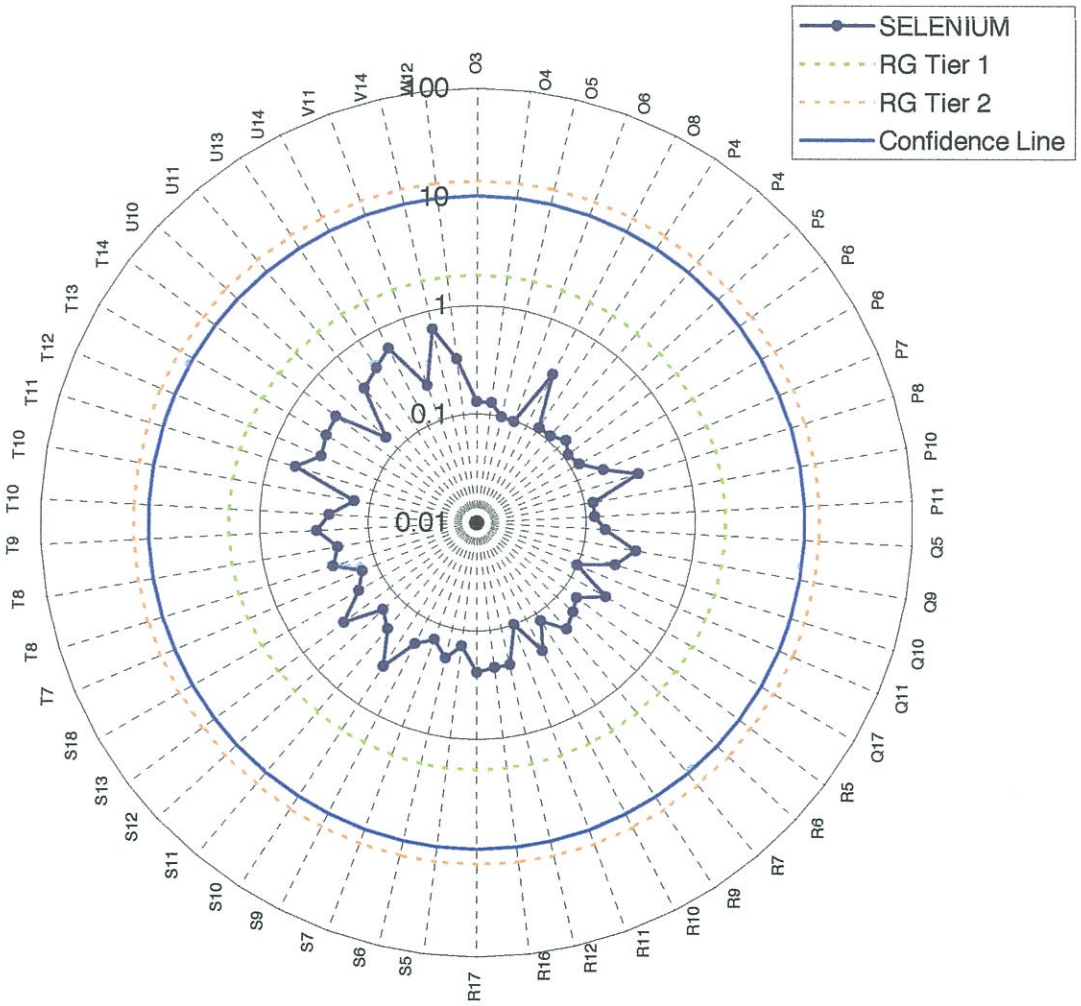
Average LCS RPD = 3 %
Maximum LCS RPD = 11 %



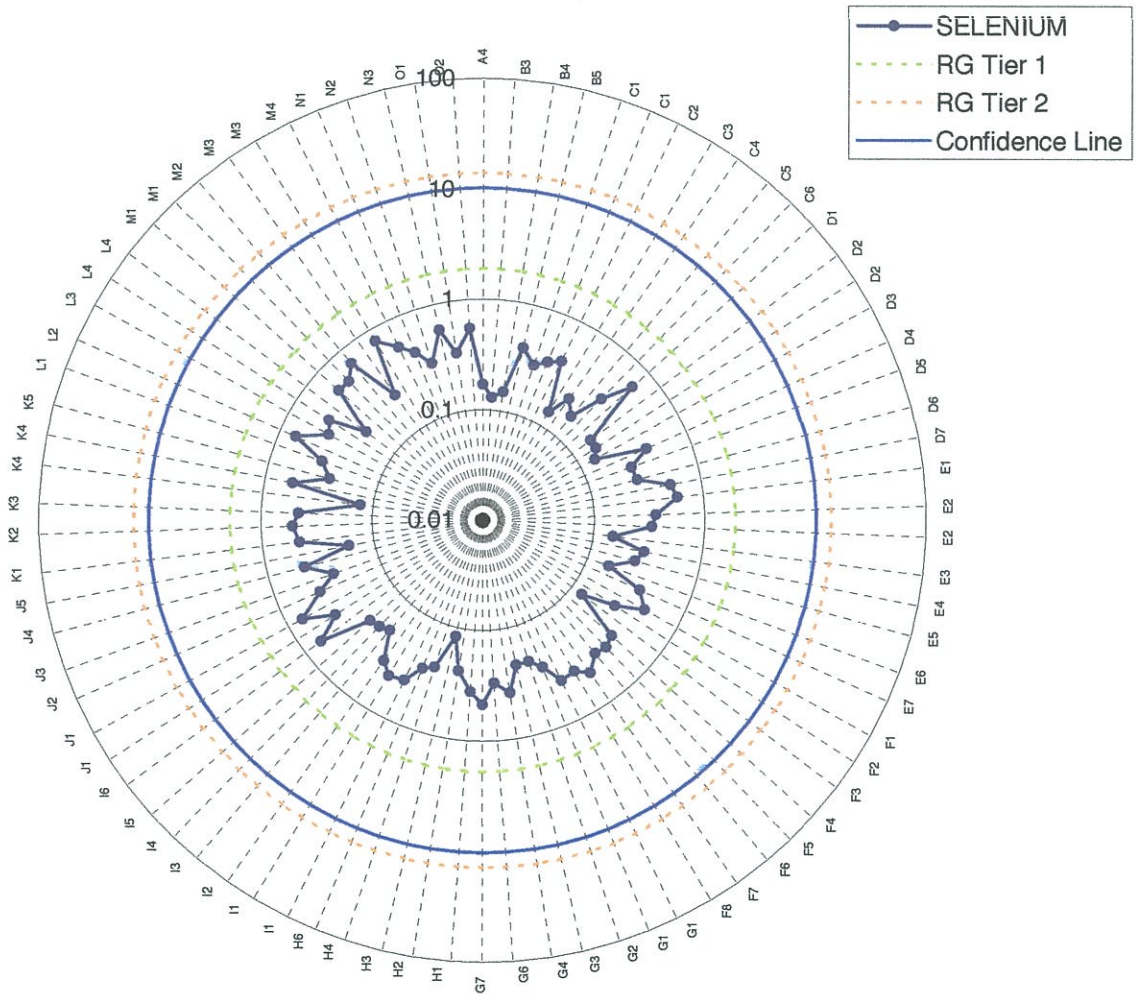
East Site
Grids A through N



East Site
Grids O through W



West Site


SELENIUM
RG Tier 1
RG Tier 2
Confidence Line
100
10
1
0.1
0.01
A4 B3 B4 B5 C1 C1 C2 C3 C4 C5 C6 D1 D2 D2 D3 D4 D5 D6 D7 E1 E2 E2 E3 E4 E5 E6 E7 F1 F2 F3 F4 F5 F6 F7 F8 G1 G1 G2 G3 G4 G6 G7 H1 H2 H3 H4 H6 I1 I1 I2 I3 I4 I5 I6 J1 J1 J2 J3 J4 J5 K1 K2 K3 K4 K4 K5 L1 L2 L3 L4 L4 M1 M1 M2 M3 M3 M4 N1 N2 N3 O1 O2

SELENIUM Results from 09/11/09 database								
Site	quarter_acre _grid	sample_location	chemical_name	result_value	analysis _date	batch _id	detect _flag	sample_name
East	B1	ES-B01-080623	SELENIUM	0.58	04/27/09	57237	Y	ES-B01-080623
East	C1	ES-C01-080624	SELENIUM	0.22	04/27/09	57237	Y	ES-C01-080624
East	D1	ES-D01-080624	SELENIUM	0.29	07/08/09	59134	Y	ES-D01-080624
East	F1	ES-F01-080529	SELENIUM	0.38	05/07/09	57447	Y	DUP-17
East	F1	ES-F01-080529	SELENIUM	0.66	05/22/09	57705	Y	ES-F01-080529
East	G1	ES-G01-080529	SELENIUM	0.24	05/22/09	57705	Y	ES-G01-080529
East	G2	ES-G02-080605	SELENIUM	0.47	05/22/09	57705	Y	ES-G02-080605
East	H1	ES-H01-080528	SELENIUM	0.096	05/22/09	57705	N	ES-H01-080528
East	H2	ES-H02-080515	SELENIUM	0.25	05/22/09	57705	Y	ES-H02-080515
East	H3	ES-H03-080605	SELENIUM	0.36	06/05/09	58141	Y	ES-H03-080605
East	I1	ES-I01-080529	SELENIUM	0.17	06/05/09	58141	Y	ES-I01-080529
East	I2	ES-I02-080514	SELENIUM	0.13	06/05/09	58141	N	ES-I02-080514
East	I3	ES-I03-080513	SELENIUM	0.3	06/05/09	58141	Y	ES-I03-080513
East	I4	ES-I04-080602	SELENIUM	0.39	06/05/09	58141	Y	ES-I04-080602
East	J1	ES-J01-080529	SELENIUM	0.24	06/05/09	58141	Y	ES-J01-080529
East	J2	ES-J02-080527	SELENIUM	0.24	05/23/09	57705	Y	DUP-15
East	J2	ES-J02-080527	SELENIUM	0.094	06/05/09	58141	N	ES-J02-080527
East	J3	ES-J03-080513	SELENIUM	0.36	04/27/09	57237	Y	DUP-11
East	J3	ES-J03-080513	SELENIUM	0.5	07/17/09	59325	Y	ES-J03-080513
East	J4	ES-J04-080530	SELENIUM	0.18	05/23/09	57705	Y	DUP-18
East	J4	ES-J04-080530	SELENIUM	0.27	06/05/09	58141	Y	ES-J04-080530
East	J5	ES-J05-080602	SELENIUM	0.31	06/05/09	58141	Y	ES-J05-080602
East	K1	ES-K01-080602	SELENIUM	0.25	06/05/09	58141	Y	ES-K01-080602
East	K2	ES-K02-080602	SELENIUM	0.11	05/22/09	57705	N	ES-K02-080602
East	K3	ES-K03-080514	SELENIUM	0.63	06/06/09	58141	Y	ES-K03-080514
East	K4	ES-K04-080527	SELENIUM	0.24	06/09/09	58209	Y	ES-K04-080527
East	K5	ES-K05-080605	SELENIUM	0.29	06/09/09	58209	Y	ES-K05-080605
East	K5	ES-K05-080605	SELENIUM	0.24	06/10/09	58209	Y	DUP-19
East	K7	ES-K07-080611	SELENIUM	0.55	05/06/09	57447	Y	ES-K07-080611
East	L1	ES-L01-080625	SELENIUM	0.12	06/09/09	58209	N	ES-L01-080625
East	L2	ES-L02-080625	SELENIUM	0.14	06/09/09	58209	N	ES-L02-080625
East	L3	ES-L03-080604	SELENIUM	0.26	06/09/09	58209	Y	ES-L03-080604
East	L4	ES-L04-080604	SELENIUM	0.2	07/09/09	59325	Y	ES-L04-080604
East	M1	ES-M01-080527	SELENIUM	0.24	06/09/09	58209	Y	ES-M01-080527
East	M2	ES-M02-080519	SELENIUM	0.12	06/09/09	58209	N	ES-M02-080519
East	M4	ES-M04-080515	SELENIUM	0.15	06/09/09	58209	Y	ES-M04-080515
East	M5	ES-M05-080527	SELENIUM	0.1	06/09/09	58209	Y	ES-M05-080527
East	M6	ES-M06-080520	SELENIUM	0.1	06/09/09	58209	N	ES-M06-080520
East	M8	ES-M08-080610	SELENIUM	0.25	05/06/09	57447	Y	ES-M08-080610
East	M9	ES-M09-080611	SELENIUM	0.41	05/06/09	57447	Y	ES-M09-080611
East	N2	ES-N02-080528	SELENIUM	0.16	06/10/09	58209	N	ES-N02-080528
East	N3	ES-N03-080520	SELENIUM	0.13	06/10/09	58209	N	ES-N03-080520
East	N4	ES-N04-080519	SELENIUM	0.26	06/10/09	58209	Y	ES-N04-080519
East	N5	ES-N05-080519	SELENIUM	0.14	06/10/09	58209	Y	ES-N05-080519
East	N6	ES-N06-080527	SELENIUM	0.15	07/07/09	59134	Y	ES-N06-080527
East	N7	ES-N07-080530	SELENIUM	0.14	07/07/09	59134	Y	ES-N07-080530
East	N8	ES-N08-080610	SELENIUM	0.37	05/07/09	57447	Y	ES-N08-080610
East	N9	ES-N09-080610	SELENIUM	0.23	05/06/09	57447	Y	ES-N09-080610
East	N10	ES-N10-080610	SELENIUM	0.22	05/06/09	57447	Y	ES-N10-080610

SELENIUM Results from 09/11/09 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	O3	ES-O03-080528	SELENIUM	0.13	07/07/09	59134	N	ES-O03-080528
East	O4	ES-O04-080515	SELENIUM	0.13	07/07/09	59134	N	ES-O04-080515
East	O5	ES-O05-080520	SELENIUM	0.1	07/07/09	59134	N	ES-O05-080520
East	O6	ES-O06-080529	SELENIUM	0.098	07/07/09	59134	N	ES-O06-080529
East	O8	ES-O08-080530	SELENIUM	0.34	08/26/09	59930	Y	ES-O08-080530
East	P4	ES-P04-080528	SELENIUM	0.11	06/05/09	58141	N	DUP-16
East	P4	ES-P04-080528	SELENIUM	0.11	07/07/09	59134	N	ES-P04-080528
East	P5	ES-P05-080513	SELENIUM	0.13	07/07/09	59134	N	ES-P05-080513
East	P6	ES-P06-080515	SELENIUM	0.11	06/05/09	58141	N	DUP-12
East	P6	ES-P06-080515	SELENIUM	0.12	07/07/09	59134	N	ES-P06-080515
East	P7	ES-P07-080519	SELENIUM	0.18	06/09/09	58209	N	ES-P07-080519
East	P8	ES-P08-080530	SELENIUM	0.35	07/07/09	59134	Y	ES-P08-080530
East	P10	ES-P10-080606	SELENIUM	0.12	05/06/09	57447	N	ES-P10-080606
East	P11	ES-P11-080606	SELENIUM	0.12	05/06/09	57447	N	ES-P11-080606
East	Q5	ES-Q05-080520	SELENIUM	0.15	07/08/09	59134	N	ES-Q05-080520
East	Q9	ES-Q09-080612	SELENIUM	0.3	07/07/09	59134	Y	ES-Q09-080612
East	Q10	ES-Q10-080606	SELENIUM	0.21	05/22/09	57705	Y	ES-Q10-080606
East	Q11	ES-Q11-080606	SELENIUM	0.1	05/22/09	57705	Y	ES-Q11-080606
East	Q17	ES-Q17-080609	SELENIUM	0.23	04/27/09	57237	Y	ES-Q17-080609
East	R5	ES-R05-080521	SELENIUM	0.14	07/07/09	59134	N	ES-R05-080521
East	R6	ES-R06-080521	SELENIUM	0.16	07/17/09	59325	Y	ES-R06-080521
East	R7	ES-R07-080521	SELENIUM	0.19	07/10/09	59326	Y	ES-R07-080521
East	R9	ES-R09-080520	SELENIUM	0.12	07/10/09	59326	Y	ES-R09-080520
East	R10	ES-R10-080602	SELENIUM	0.21	07/10/09	59326	Y	ES-R10-080602
East	R11	ES-R11-080605	SELENIUM	0.1	05/22/09	57705	N	ES-R11-080605
East	R12	ES-R12-080611	SELENIUM	0.22	05/25/09	57705	Y	ES-R12-080611
East	R16	ES-R16-080605	SELENIUM	0.22	04/27/09	57237	Y	ES-R16-080605
East	R17	ES-R17-080606	SELENIUM	0.24	04/27/09	57237	Y	ES-R17-080606
East	S5	ES-S05-080521	SELENIUM	0.14	07/10/09	59326	N	ES-S05-080521
East	S6	ES-S06-080521	SELENIUM	0.19	07/10/09	59326	Y	ES-S06-080521
East	S7	ES-S07-080521	SELENIUM	0.14	07/10/09	59326	N	ES-S07-080521
East	S9	ES-S09-080522	SELENIUM	0.18	07/11/09	59326	Y	ES-S09-080522
East	S10	ES-S10-080523	SELENIUM	0.38	07/11/09	59326	Y	ES-S10-080523
East	S11	ES-S11-080528	SELENIUM	0.19	07/11/09	59326	N	ES-S11-080528
East	S12	ES-S12-080609	SELENIUM	0.15	04/27/09	57237	N	ES-S12-080609
East	S13	ES-S13-080610	SELENIUM	0.34	04/27/09	57237	Y	ES-S13-080610
East	S18	ES-S18-080606	SELENIUM	0.18	04/27/09	57237	Y	ES-S18-080606
East	T7	ES-T07-080612	SELENIUM	0.14	07/11/09	59326	N	ES-T07-080612
East	T8	ES-T08-080522	SELENIUM	0.24	07/07/09	59134	Y	DUP-13
East	T8	ES-T08-080522	SELENIUM	0.2	07/11/09	59326	Y	ES-T08-080522
East	T9	ES-T09-080522	SELENIUM	0.3	07/11/09	59326	Y	ES-T09-080522
East	T10	ES-T10-080523	SELENIUM	0.23	07/11/09	59326	Y	ES-T10-080523
East	T10	ES-T10-080523	SELENIUM	0.14	07/12/09	59326	N	DUP-14
East	T11	ES-T11-080530	SELENIUM	0.56	07/12/09	59326	Y	ES-T11-080530
East	T12	ES-T12-080609	SELENIUM	0.36	04/27/09	57237	Y	ES-T12-080609
East	T13	ES-T13-080609	SELENIUM	0.4	04/27/09	57237	Y	ES-T13-080609
East	T14	ES-T14-080610	SELENIUM	0.42	04/27/09	57237	Y	ES-T14-080610
East	U10	ES-U10-080523	SELENIUM	0.14	07/11/09	59326	N	ES-U10-080523
East	U11	ES-U11-080602	SELENIUM	0.41	07/17/09	59325	Y	ES-U11-080602

SELENIUM Results from 09/11/09 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	U13	ES-U13-080610	SELENIUM	0.5	05/06/09	57447	Y	ES-U13-080610
East	U14	ES-U14-080610	SELENIUM	0.63	05/06/09	57447	Y	ES-U14-080610
East	V11	ES-V11-080529	SELENIUM	0.22	07/17/09	59325	Y	ES-V11-080529
East	V14	ES-V14-080605	SELENIUM	0.67	05/06/09	57447	Y	ES-V14-080605
East	W12	ES-W12-080527	SELENIUM	0.33	07/17/09	59325	Y	ES-W12-080527
West	A4	WS-A04-080626	SELENIUM	0.17	07/27/09	59707	N	WS-A04-080626
West	B3	WS-B03-080502	SELENIUM	0.13	07/27/09	59707	N	WS-B03-080502
West	B4	WS-B04-080626	SELENIUM	0.15	07/27/09	59707	N	WS-B04-080626
West	B5	WS-B05-080626	SELENIUM	0.4	08/26/09	59930	Y	WS-B05-080626
West	C1	WS-C01-080501	SELENIUM	0.3	07/17/09	59325	Y	WS-C01-080501
West	C1	WS-C01-080501	SELENIUM	0.35	07/17/09	59325	Y	DUP-3
West	C2	WS-C02-080428	SELENIUM	0.4	07/30/09	59931	Y	WS-C02-080428
West	C3	WS-C03-080620	SELENIUM	0.14	07/30/09	59931	N	WS-C03-080620
West	C4	WS-C04-080623	SELENIUM	0.22	07/30/09	59931	Y	WS-C04-080623
West	C5	WS-C05-080620	SELENIUM	0.17	08/26/09	59930	Y	WS-C05-080620
West	C6	WS-C06-080624	SELENIUM	0.34	08/26/09	59930	Y	WS-C06-080624
West	D1	WS-D01-080430	SELENIUM	0.64	07/17/09	59325	Y	WS-D01-080430
West	D2	WS-D02-080429	SELENIUM	0.16	07/27/09	59707	N	DUP-2
West	D2	WS-D02-080429	SELENIUM	0.16	07/30/09	59931	N	WS-D02-080429
West	D3	WS-D03-080620	SELENIUM	0.14	07/30/09	59931	N	WS-D03-080620
West	D4	WS-D04-080623	SELENIUM	0.4	08/27/09	60651	Y	WS-D04-080623
West	D5	WS-D05-080620	SELENIUM	0.26	08/26/09	59930	Y	WS-D05-080620
West	D6	WS-D06-080619	SELENIUM	0.27	08/26/09	59930	Y	WS-D06-080619
West	D7	WS-D07-080619	SELENIUM	0.52	08/26/09	59930	Y	WS-D07-080619
West	E1	WS-E01-080430	SELENIUM	0.58	07/17/09	59325	Y	WS-E01-080430
West	E2	WS-E02-080428	SELENIUM	0.36	07/27/09	59707	Y	DUP-1
West	E2	WS-E02-080428	SELENIUM	0.33	07/30/09	59931	Y	WS-E02-080428
West	E3	WS-E03-080619	SELENIUM	0.15	07/30/09	59931	N	WS-E03-080619
West	E4	WS-E04-080613	SELENIUM	0.3	08/26/09	59930	Y	WS-E04-080613
West	E5	WS-E05-080613	SELENIUM	0.26	08/26/09	59930	Y	WS-E05-080613
West	E6	WS-E06-080613	SELENIUM	0.16	08/26/09	59930	N	WS-E06-080613
West	E7	WS-E07-080613	SELENIUM	0.35	08/26/09	59930	Y	WS-E07-080613
West	F1	WS-F01-080429	SELENIUM	0.46	07/17/09	59325	Y	WS-F01-080429
West	F2	WS-F02-080429	SELENIUM	0.26	07/30/09	59931	Y	WS-F02-080429
West	F3	WS-F03-080619	SELENIUM	0.13	07/30/09	59931	N	WS-F03-080619
West	F4	WS-F04-080616	SELENIUM	0.36	08/27/09	60257	Y	WS-F04-080616
West	F5	WS-F05-080612	SELENIUM	0.39	08/27/09	60651	Y	WS-F05-080612
West	F6	WS-F06-080612	SELENIUM	0.37	08/27/09	60257	Y	WS-F06-080612
West	F7	WS-F07-080617	SELENIUM	0.48	07/18/09	59422	Y	WS-F07-080617
West	F8	WS-F08-080618	SELENIUM	0.39	07/18/09	59422	Y	WS-F08-080618
West	G1	WS-G01-080501	SELENIUM	0.41	07/17/09	59325	Y	DUP-4
West	G1	WS-G01-080501	SELENIUM	0.27	07/18/09	59422	Y	WS-G01-080501
West	G2	WS-G02-080618	SELENIUM	0.22	07/30/09	59931	Y	WS-G02-080618
West	G3	WS-G03-080619	SELENIUM	0.22	07/30/09	59931	Y	WS-G03-080619
West	G4	WS-G04-080616	SELENIUM	0.38	08/27/09	60257	Y	WS-G04-080616
West	G6	WS-G06-080616	SELENIUM	0.3	08/27/09	60257	Y	WS-G06-080616
West	G7	WS-G07-080617	SELENIUM	0.47	07/18/09	59422	Y	WS-G07-080617
West	H1	WS-H01-080501	SELENIUM	0.36	07/18/09	59422	Y	WS-H01-080501
West	H2	WS-H02-080618	SELENIUM	0.24	07/30/09	59931	Y	WS-H02-080618

SELENIUM Results from 09/11/09 database								
Site	quarter_acre _grid	sample_location	chemical_name	result_value	analysis _date	batch _id	detect _flag	sample_name
West	H3	WS-H03-080619	SELENIUM	0.12	08/27/09	60257	Y	WS-H03-080619
West	H4	WS-H04-080616	SELENIUM	0.25	08/27/09	60257	Y	WS-H04-080616
West	H6	WS-H06-080617	SELENIUM	0.28	07/18/09	59422	Y	WS-H06-080617
West	I1	WS-I01-080501	SELENIUM	0.41	07/18/09	59422	Y	WS-I01-080501
West	I1	WS-I01-080501	SELENIUM	0.44	07/19/09	59422	Y	DUP-5
West	I2	WS-I02-080618	SELENIUM	0.36	08/26/09	59930	Y	WS-I02-080618
West	I3	WS-I03-080618	SELENIUM	0.2	08/27/09	60257	N	WS-I03-080618
West	I4	WS-I04-080617	SELENIUM	0.22	08/28/09	60257	Y	WS-I04-080617
West	I5	WS-I05-080617	SELENIUM	0.23	07/18/09	59422	Y	WS-I05-080617
West	I6	WS-I06-080617	SELENIUM	0.67	07/18/09	59422	Y	WS-I06-080617
West	J1	WS-J01-080505	SELENIUM	0.38	07/18/09	59422	Y	WS-J01-080505
West	J1	WS-J01-080505	SELENIUM	0.72	07/19/09	59422	Y	DUP-6
West	J2	WS-J02-080624	SELENIUM	0.4	07/19/09	59422	Y	WS-J02-080624
West	J3	WS-J03-080620	SELENIUM	0.27	07/27/09	59706	Y	WS-J03-080620
West	J4	WS-J04-080617	SELENIUM	0.46	07/27/09	59706	Y	WS-J04-080617
West	J5	WS-J05-080618	SELENIUM	0.17	07/27/09	59706	Y	WS-J05-080618
West	K1	WS-K01-080505	SELENIUM	0.46	07/27/09	59706	Y	WS-K01-080505
West	K2	WS-K02-080509	SELENIUM	0.52	07/27/09	59706	Y	WS-K02-080509
West	K3	WS-K03-080509	SELENIUM	0.46	07/27/09	59706	Y	WS-K03-080509
West	K4	WS-K04-080513	SELENIUM	0.13	07/27/09	59706	N	WS-K04-080513
West	K4	WS-K04-080513	SELENIUM	0.56	08/26/09	59930	Y	DUP-10
West	K5	WS-K05-080509	SELENIUM	0.27	07/27/09	59706	Y	WS-K05-080509
West	L1	WS-L01-080505	SELENIUM	0.35	07/27/09	59706	Y	WS-L01-080505
West	L2	WS-L02-080508	SELENIUM	0.71	07/28/09	59706	Y	WS-L02-080508
West	L3	WS-L03-080508	SELENIUM	0.39	07/27/09	59706	Y	WS-L03-080508
West	L4	WS-L04-080508	SELENIUM	0.45	07/27/09	59706	Y	WS-L04-080508
West	L4	WS-L04-080508	SELENIUM	0.21	07/28/09	59706	Y	DUP-9
West	M1	WS-M01-080505	SELENIUM	0.56	07/27/09	59706	Y	WS-M01-080505
West	M1	WS-M01-080505	SELENIUM	0.55	07/27/09	59706	Y	DUP-7
West	M2	WS-M02-080507	SELENIUM	0.7	08/26/09	59930	Y	WS-M02-080507
West	M3	WS-M03-080507	SELENIUM	0.24	07/30/09	59931	Y	DUP-8
West	M3	WS-M03-080507	SELENIUM	0.77	08/25/09	60258	Y	WS-M03-080507
West	M4	WS-M04-080507	SELENIUM	0.55	08/25/09	60258	Y	WS-M04-080507
West	N1	WS-N01-080506	SELENIUM	0.43	08/25/09	60258	Y	WS-N01-080506
West	N2	WS-N02-080506	SELENIUM	0.31	07/27/09	59707	Y	WS-N02-080506
West	N3	WS-N03-080507	SELENIUM	0.58	07/18/09	59422	Y	WS-N03-080507
West	O1	WS-O01-080506	SELENIUM	0.34	07/27/09	59707	Y	WS-O01-080506
West	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	93%	
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	10%	
Measurement Quality Objectives	**Critera**	**Measured**	
NPS CRM	Recovery greater than 4.88	Minimum Recovery =	81.84 mg/kg
EQIS CRM	See Note 1		
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	50 %
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 =	0.02 mg/kg
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal	17 mg/kg		
Tier 2 Remediation Goal			
QC Derived Reliance Level	16.7 mg/kg	See Note 1	

Comments: Silver analyses attained matrix spike recovery laboratory performance criteria, except for low matrix spike recoveries for laboratory batches 49334 and 49335. However, only background samples were tested in these batches, so the observed compromised silver recovery in these batches does not indicate a problem with specific CVS sample measurement quality. An average matrix spike recovery of 87 percent indicates a bias toward low concentrations. Qualified measurement precision is indicated by high laboratory duplicate RPD (30%) and high maximum CVS split RPD (50%). The derived reliance level (16.7 mg/kg) is less than the RG (17 mg/kg), indicating that desired data quality was not acquired. No silver CVS measurements exceeded the RL. Therefore, it is concluded that the silver 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, and silver is not one of them.

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 calculate the derived reliance level, it is necessary to create an estimate of the expected standard deviation from other information. A coefficient of variation (20%) is calculated 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 (0.02 mg/kg). This estimate is used to calculate the derived reliance level of 16.7 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)(.02) = 16.7 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*
Standard Error	0.41	*34.0 mg/kg*
Median	27.9	
Standard Deviation	1.6	*Upper Acceptance Limit*
Sample Variance	2.67	*38.3 mg/kg*
Kurtosis	-1.5	
Skewness	0.0	*Lower Acceptance Limit*
Range	4.8	*23.1 mg/kg*
Minimum	25.3	
Maximum	30.1	
Sum	445.2	
Count	16	
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

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

Table Ag-4: NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 503	1	5/1/09	57284	ES-T11-080530	0.12	6/10/2009	
BOR 506	1.1	5/11/09	57543	ES-S10-080523	0.16	6/10/2009	
BOR 504	0.12	5/24/09	57792	ES-M05-080527	0.096	5/28/2009	
BOR 507	0.16	6/9/09	58135	ES-O09-080610			
BOR 508	0.11	6/20/09	58565	ES-Q11-080606	1.1	5/11/2009	
BOR 510	0.18	7/7/09	58728	OU-8HR-080605	0.13	5/1/2009	
BOR 501	0.17	7/8/09	59163	WS-L04-080508	0.12	7/8/2009	
BOR 505	0.34	7/20/09	59621	WS-K03-080509	0.37	7/8/2009	8
BOR 502	0.3	7/27/09	59757	WS-F05-080612	0.18	8/18/2009	50
BOR 509	0.14	7/27/09	59757	WS-E06-080613	0.17	7/27/2009	
DUP-11	0.88	5/1/09	57147	ES-J03-080513	0.11	6/20/2009	
DUP-17	0.79	5/1/09	57284	ES-F01-080529	0.96	5/11/2009	19
DUP-15	1.1	5/11/09	57543	ES-J02-080527	0.093	5/24/2009	
DUP-18	1.1	5/11/09	57543	ES-J04-080530	0.12	5/24/2009	
DUP-12	0.12	5/24/09	57792	ES-P06-080515	0.13	6/9/2009	
DUP-16	0.1	5/24/09	57792	ES-P04-080528	0.12	6/9/2009	
DUP-19	0.14	5/28/09	57847	ES-K05-080605	0.11	5/28/2009	
DUP-13	0.11	6/9/09	58135	ES-T08-080522	0.13	6/10/2009	
DUP-14	0.14	6/10/09	58212	ES-T10-080523	0.13	6/10/2009	
DUP-3	0.15	6/20/09	58565	WS-C01-080501	0.12	6/20/2009	
DUP-4	0.13	6/20/09	58565	WS-G01-080501	0.13	7/7/2009	
DUP-5	0.24	7/7/09	58728	WS-I01-080501	0.25	7/7/2009	4
DUP-6	0.38	7/7/09	58728	WS-J01-080505	0.33	7/7/2009	14
DUP-7	0.23	7/8/09	59163	WS-M01-080505	0.29	7/8/2009	23
DUP-9	0.14	7/8/09	59163	WS-L04-080508	0.12	7/8/2009	
DUP-1	0.14	7/13/09	59381	WS-E02-080428	0.14	7/20/2009	
DUP-2	0.14	7/13/09	59381	WS-D02-080429	0.14	7/20/2009	
DUP-8	0.2	7/20/09	59621	WS-M03-080507	0.32	8/5/2009	46
DUP-10	0.13	7/27/09	59757	WS-K04-080513	0.14	7/8/2009	

Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	23.6
Standard Error	6.8
Median	19.4
Standard Deviation	17.9
Sample Variance	320.7
Kurtosis	-1.1
Skewness	0.7
Range	45.9
Minimum	4.1
Maximum	50.0
Sum	165.3
Count	7
Largest(2)	46.2
Smallest(2)	8.5

Table Ag-5: EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
ES-Z09-080529A	27.6	5/1/09	57284	Y		
ES-Z09-080529B	27.3	5/1/09	57284	Y	27.45	1
ES-Z11-080605A	29.4	5/1/09	57147	Y		
ES-Z11-080605B	29.6	5/1/09	57147	Y	29.5	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	1
ES-Z13-080610A	21.5	5/28/09	57847	Y		
ES-Z13-080610B	25.4	5/28/09	57847	Y	23.45	17
ES-Z10-080602A	29	6/9/09	58135	Y		
ES-Z10-080602B	29.5	6/9/09	58135	Y	29.25	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	32.15	2
ES-Z06-080520C	28.3	7/7/09	58728	Y		
ES-Z06-080520D	29.4	7/7/09	58728	Y	28.85	4
ES-Z05-080519C	29.7	7/8/09	59163	Y		
ES-Z05-080519D	28.3	7/8/09	59163	Y	29	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	28.35	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

Analysis of EQIS CRMs	
Mean	28.7
Standard Error	0.3
Median	28.5
Standard Deviation	1.8
Sample Variance	3.4
Kurtosis	6.4
Skewness	-1.6
Range	10.9
Minimum	21.5
Maximum	32.4
Sum	974.6
Count	34
Largest(2)	31.9
Smallest(2)	25.4

RPD of EQIS CRMs	
Mean	2.50
Standard Error	
Median	1.42
Standard Deviation	3.86
Sample Variance	14.89
Kurtosis	12.80
Skewness	3.43
Range	16.63
Minimum	0.00
Maximum	16.63
Sum	42.42
Count	17
Largest(2)	4.83
Smallest(2)	0.35

Table Ag-6: Silver Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
96	7160081	1	105	49187	2
98	7160081	1	104	49189	3
3	49187	2	108	49537	4
22	49189	3	111	49539	5
109	49537	4	88	54626-627	6
108	49539	5	85	54821-822	7
97	54626-627	6	89	54891-892	8
85	54821-822	7	87	54915-916	9
100	54891-892	8	87	57147	10
95	54915-916	9	87	57223	11
88	57147	10	97	57543	12
102	57223	11	86	57792	13
94	57543	12	81	57847	14
80	57792	13	84	58135	15
79	57847	14	116	58212	16
76	58135	15	101	58565	17
122	58212	16	89	58728	18
100	58565	17	85	59163	19
85	58728	18	85	59163	19
80	59163	19	87	59381	20
86	59381	20	83	59621	21
88	59621	21	87	59757	22
87	59757	22	87	59889	23
94	59889	23	97	60088	24
99	60088	24	96	60439	25
101	60439	25	96	60439	25

Average MS Recovery = 87 %
Minimum MS Recovery = 3 %

Average LCS Recovery = 93 %
Minimum LCS Recovery = 81 %

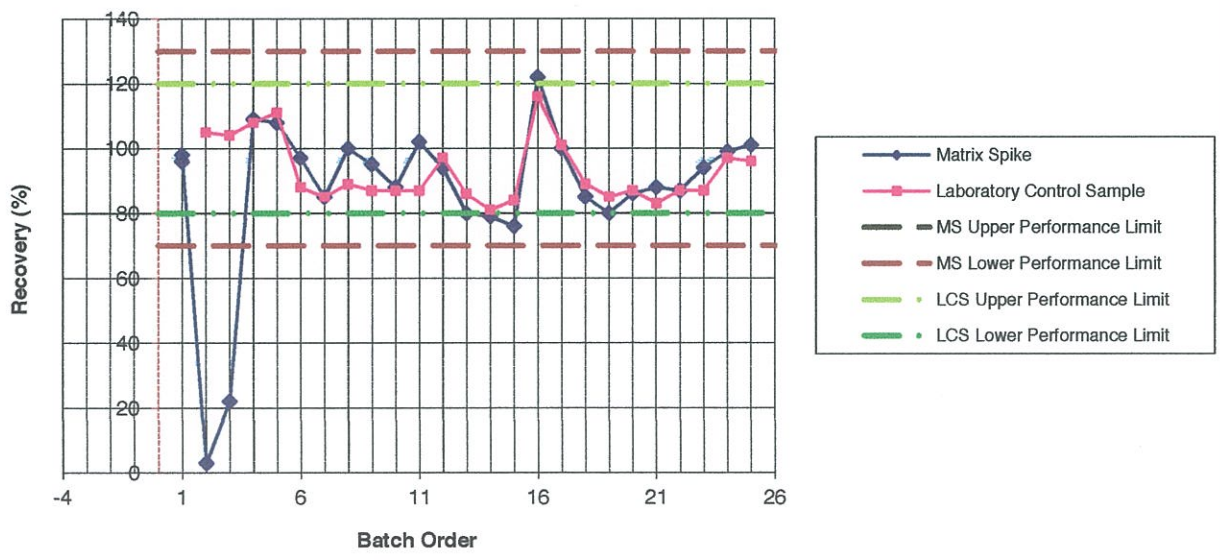
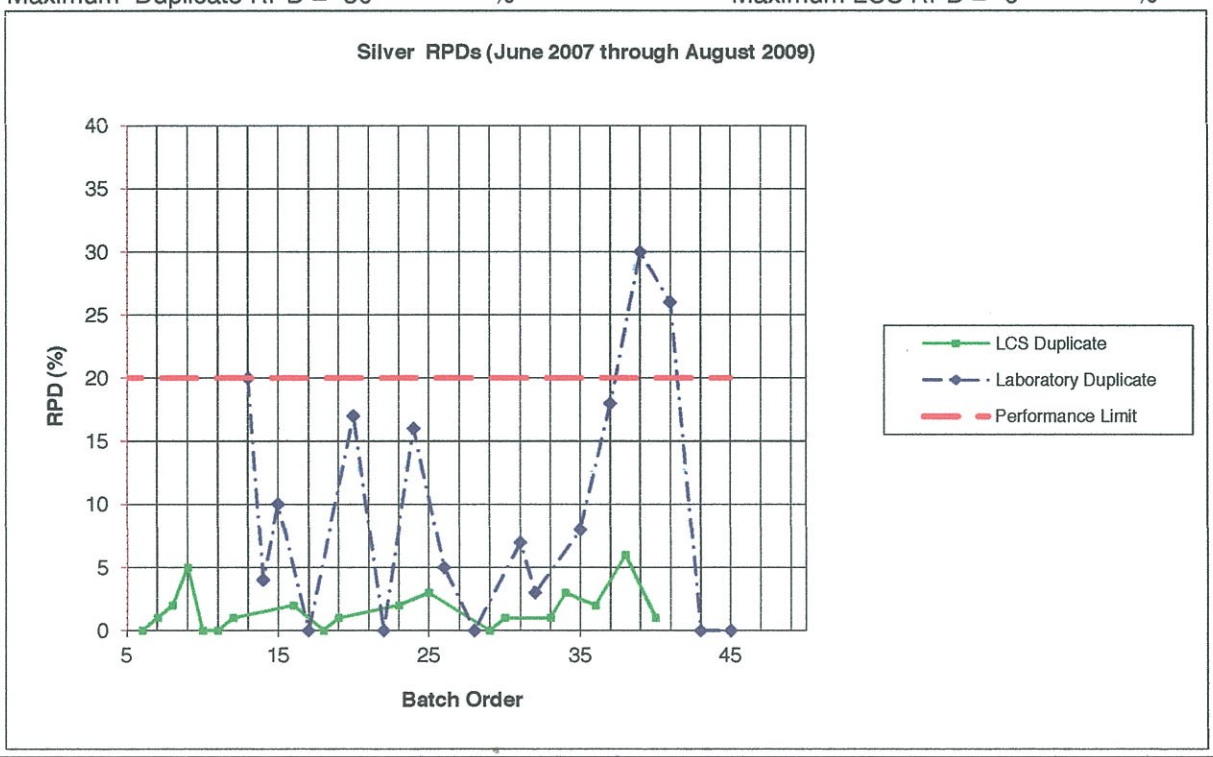


Table Ag-7: Silver - Laboratory Duplicates and LCS Duplicates

Laboratory Duplicate RPD	Batch	Order	LCS Duplicate RPD	Batch	Order
20	57147	13	0	54626-627	6
4	57223	14	1	54821-822	7
10	57284	15	2	54891-892	8
0	57543	17	5	54915-916	9
17	57792	20	0	57147	10
0	57847	22	0	57223	11
16	58135	24	1	57284	12
5	58212	26	2	57543	16
0	58565	28	0	57792	18
7	58728	31	1	57847	19
3	59163	32	2	58135	23
8	59381	35	3	58212	25
18	59621	37	0	58728	29
30	59757	39	1	59163	30
26	59889	41	1	59163	33
0	60088	43	3	59381	34
0	60439	45	2	59621	36
			6	59757	38
			1	59889	40
			3	60088	42
			1	60439	44
			1	60439	46

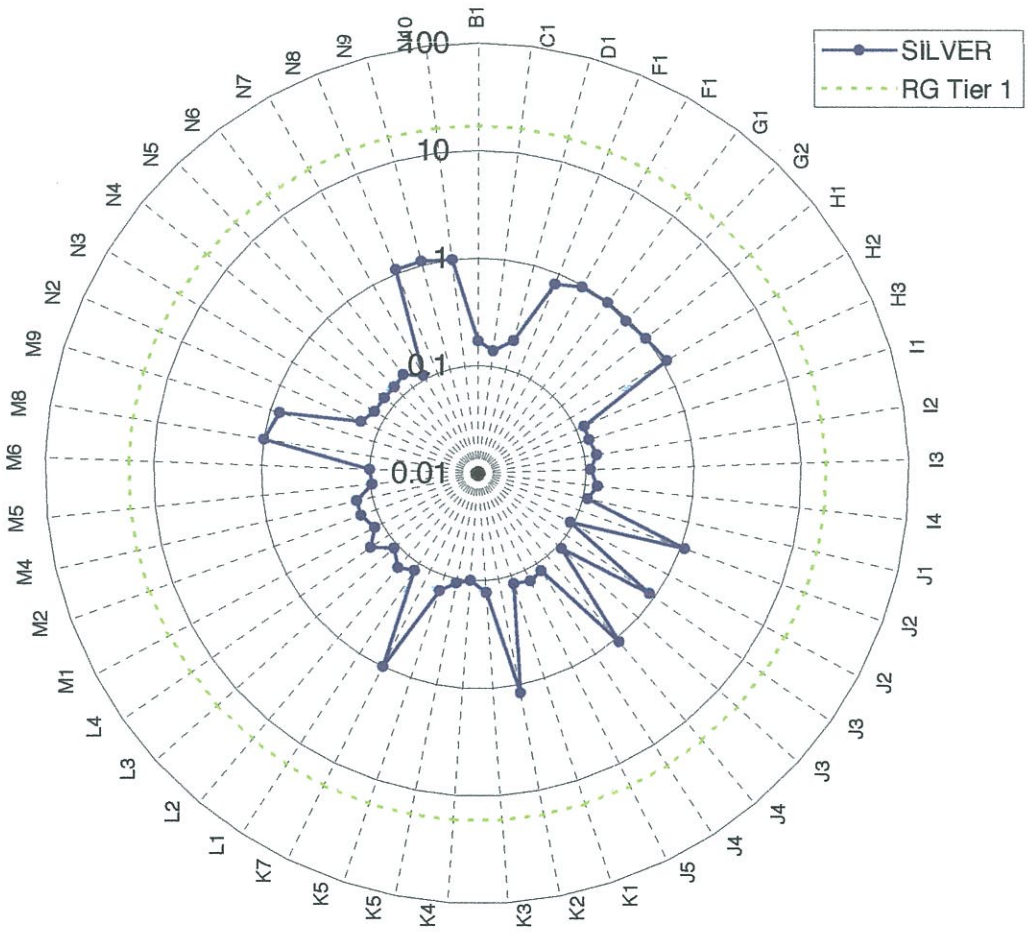
Average Duplicate RPD = 10 %
Maximum Duplicate RPD = 30 %

Average LCS RPD = 2 %
Maximum LCS RPD = 6 %

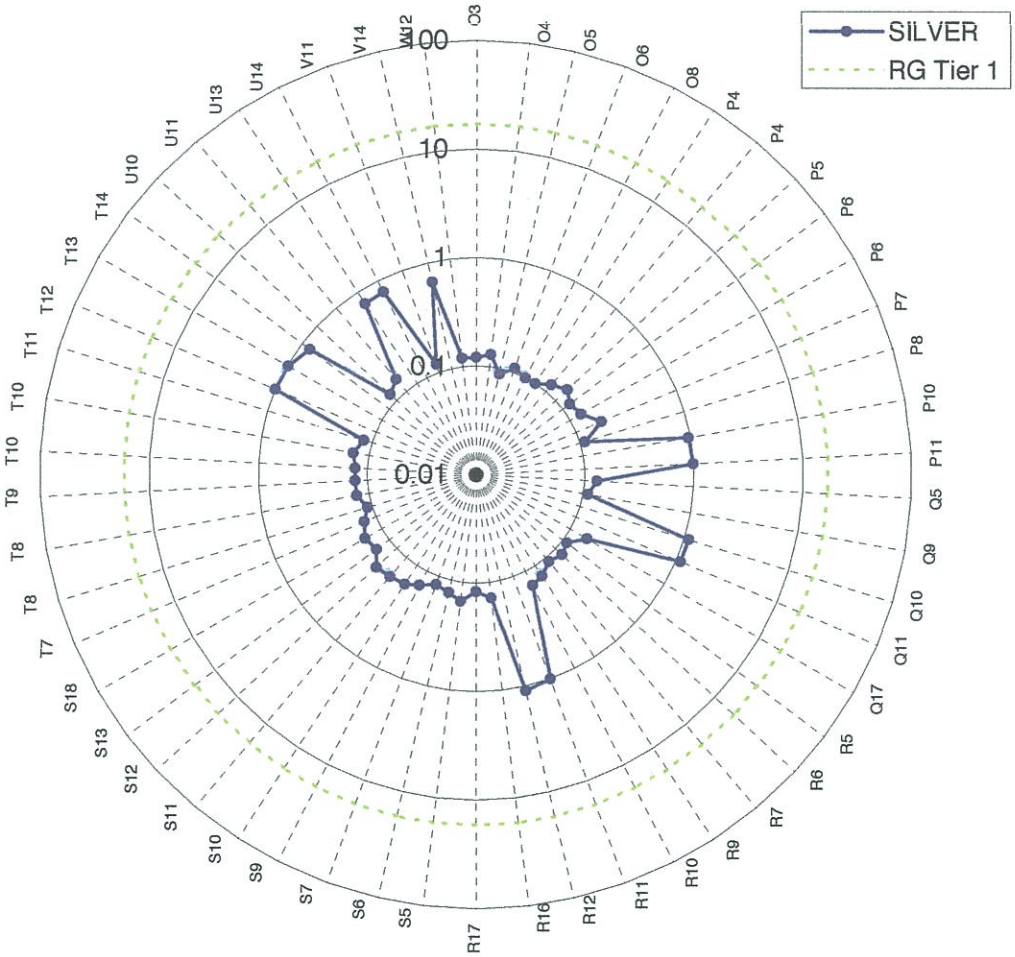


20

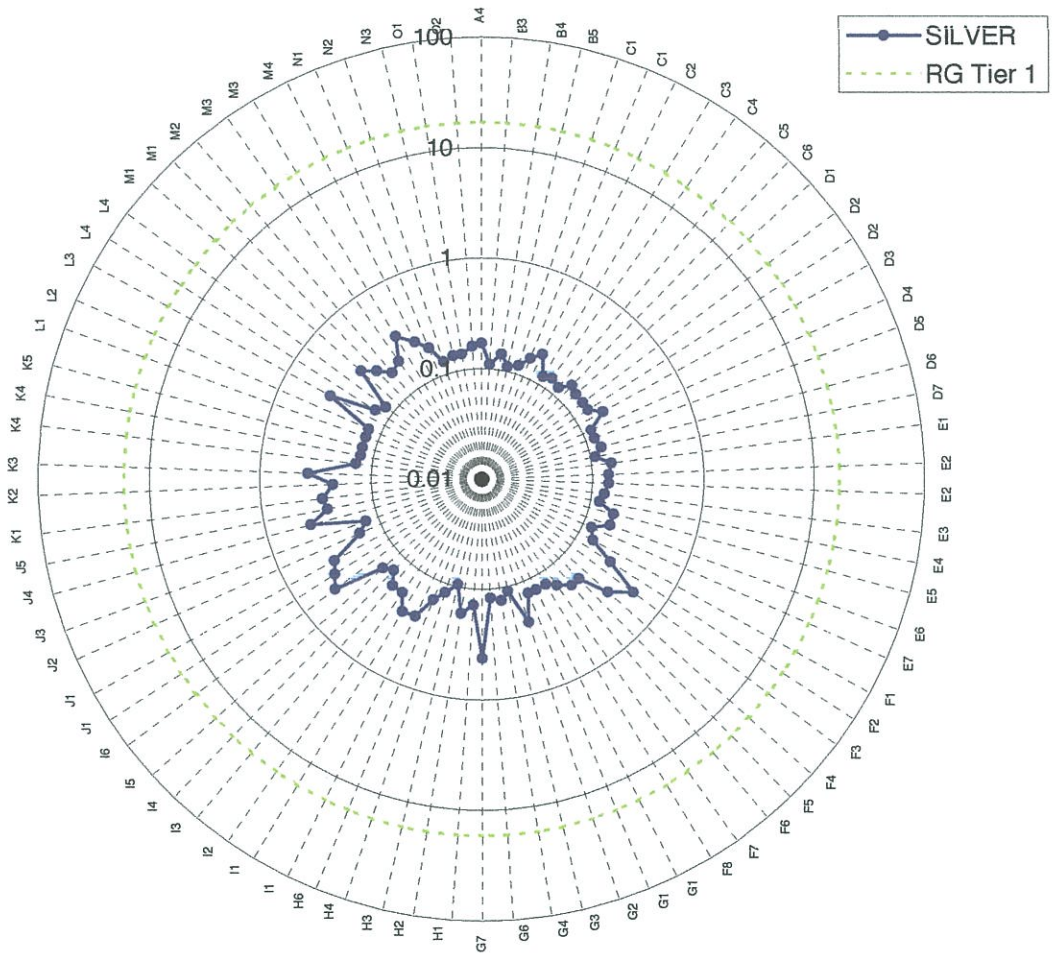
East Site
Grids A through N



East Site
Grids O through W



West Site


SILVER
RG Tier 1
100
10
1
0.1
0.01
A4
B3
B4
B5
C1
C1
C2
C3
C4
C5
C6
D1
D2
D2
D3
D4
D5
D6
D7
E1
E2
E2
E3
E4
E5
E6
E7
F1
F2
F3
F4
F5
F6
F7
F8
G1
G1
G2
G3
G4
G6
G7
H1
H2
H3
H4
H6
I1
I1
I2
I3
I4
I5
I6
J1
J1
J2
J3
J4
J5
K1
K2
K3
K4
K4
K5
L1
L2
L3
L4
L4
M1
M1
M2
M3
M3
M4
N1
N2
N3
O1
O2

SILVER results from 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis _date	batch_id	detect _flag	sample_name
East	B1	ES-B01-080623	SILVER	0.17	05/01/09	57147	N	ES-B01-080623
East	C1	ES-C01-080624	SILVER	0.14	05/01/09	57147	N	ES-C01-080624
East	D1	ES-D01-080624	SILVER	0.19	06/09/09	58135	N	ES-D01-080624
East	F1	ES-F01-080529	SILVER	0.79	05/01/09	57284	Y	DUP-17
East	F1	ES-F01-080529	SILVER	0.96	05/11/09	57543	Y	ES-F01-080529
East	G1	ES-G01-080529	SILVER	0.98	05/11/09	57543	Y	ES-G01-080529
East	G2	ES-G02-080605	SILVER	0.94	05/11/09	57543	Y	ES-G02-080605
East	H1	ES-H01-080528	SILVER	1	05/11/09	57543	Y	ES-H01-080528
East	H2	ES-H02-080515	SILVER	1.1	05/11/09	57543	Y	ES-H02-080515
East	H3	ES-H03-080605	SILVER	0.12	05/24/09	57792	N	ES-H03-080605
East	I1	ES-I01-080529	SILVER	0.12	05/24/09	57792	N	ES-I01-080529
East	I2	ES-I02-080514	SILVER	0.13	05/24/09	57792	N	ES-I02-080514
East	I3	ES-I03-080513	SILVER	0.11	05/24/09	57792	N	ES-I03-080513
East	I4	ES-I04-080602	SILVER	0.13	05/24/09	57792	N	ES-I04-080602
East	J1	ES-J01-080529	SILVER	0.11	05/24/09	57792	N	ES-J01-080529
East	J2	ES-J02-080527	SILVER	1.1	05/11/09	57543	Y	DUP-15
East	J2	ES-J02-080527	SILVER	0.093	05/24/09	57792	N	ES-J02-080527
East	J3	ES-J03-080513	SILVER	0.88	05/01/09	57147	Y	DUP-11
East	J3	ES-J03-080513	SILVER	0.11	06/20/09	58565	N	ES-J03-080513
East	J4	ES-J04-080530	SILVER	1.1	05/11/09	57543	Y	DUP-18
East	J4	ES-J04-080530	SILVER	0.12	05/24/09	57792	N	ES-J04-080530
East	J5	ES-J05-080602	SILVER	0.13	05/24/09	57792	N	ES-J05-080602
East	K1	ES-K01-080602	SILVER	0.12	05/24/09	57792	N	ES-K01-080602
East	K2	ES-K02-080602	SILVER	1.2	05/11/09	57543	Y	ES-K02-080602
East	K3	ES-K03-080514	SILVER	0.13	05/24/09	57792	N	ES-K03-080514
East	K4	ES-K04-080527	SILVER	0.1	05/28/09	57847	N	ES-K04-080527
East	K5	ES-K05-080605	SILVER	0.11	05/28/09	57847	N	ES-K05-080605
East	K5	ES-K05-080605	SILVER	0.14	05/28/09	57847	N	DUP-19
East	K7	ES-K07-080611	SILVER	1	05/01/09	57284	Y	ES-K07-080611
East	L1	ES-L01-080625	SILVER	0.12	05/28/09	57847	N	ES-L01-080625
East	L2	ES-L02-080625	SILVER	0.14	05/28/09	57847	N	ES-L02-080625
East	L3	ES-L03-080604	SILVER	0.11	05/28/09	57847	N	ES-L03-080604
East	L4	ES-L04-080604	SILVER	0.16	06/20/09	58565	N	ES-L04-080604
East	M1	ES-M01-080527	SILVER	0.12	05/28/09	57847	N	ES-M01-080527
East	M2	ES-M02-080519	SILVER	0.14	05/28/09	57847	N	ES-M02-080519
East	M4	ES-M04-080515	SILVER	0.14	05/28/09	57847	N	ES-M04-080515
East	M5	ES-M05-080527	SILVER	0.096	05/28/09	57847	N	ES-M05-080527
East	M6	ES-M06-080520	SILVER	0.1	05/28/09	57847	N	ES-M06-080520
East	M8	ES-M08-080610	SILVER	1	05/01/09	57284	Y	ES-M08-080610
East	M9	ES-M09-080611	SILVER	0.82	05/01/09	57284	Y	ES-M09-080611
East	N2	ES-N02-080528	SILVER	0.15	05/28/09	57847	N	ES-N02-080528
East	N3	ES-N03-080520	SILVER	0.13	05/28/09	57847	N	ES-N03-080520
East	N4	ES-N04-080519	SILVER	0.13	05/28/09	57847	N	ES-N04-080519
East	N5	ES-N05-080519	SILVER	0.13	05/28/09	57847	N	ES-N05-080519
East	N6	ES-N06-080527	SILVER	0.14	06/09/09	58135	N	ES-N06-080527
East	N7	ES-N07-080530	SILVER	0.11	06/09/09	58135	N	ES-N07-080530

SILVER results from 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis _date	batch_id	detect _flag	sample_name
East	N8	ES-N08-080610	SILVER	1.1	05/01/09	57284	Y	ES-N08-080610
East	N9	ES-N09-080610	SILVER	1.1	05/04/09	57284	Y	ES-N09-080610
East	N10	ES-N10-080610	SILVER	1	05/01/09	57284	Y	ES-N10-080610
East	O3	ES-O03-080528	SILVER	0.12	06/09/09	58135	N	ES-O03-080528
East	O4	ES-O04-080515	SILVER	0.13	06/09/09	58135	N	ES-O04-080515
East	O5	ES-O05-080520	SILVER	0.089	06/09/09	58135	N	ES-O05-080520
East	O6	ES-O06-080529	SILVER	0.11	06/09/09	58135	N	ES-O06-080529
East	O8	ES-O08-080530	SILVER	0.1	07/27/09	59757	N	ES-O08-080530
East	P4	ES-P04-080528	SILVER	0.1	05/24/09	57792	N	DUP-16
East	P4	ES-P04-080528	SILVER	0.12	06/09/09	58135	N	ES-P04-080528
East	P5	ES-P05-080513	SILVER	0.14	06/09/09	58135	N	ES-P05-080513
East	P6	ES-P06-080515	SILVER	0.12	05/24/09	57792	N	DUP-12
East	P6	ES-P06-080515	SILVER	0.13	06/09/09	58135	N	ES-P06-080515
East	P7	ES-P07-080519	SILVER	0.18	05/28/09	57847	N	ES-P07-080519
East	P8	ES-P08-080530	SILVER	0.11	06/09/09	58135	N	ES-P08-080530
East	P10	ES-P10-080606	SILVER	0.95	05/01/09	57284	Y	ES-P10-080606
East	P11	ES-P11-080606	SILVER	0.99	05/01/09	57284	Y	ES-P11-080606
East	Q5	ES-Q05-080520	SILVER	0.13	06/09/09	58135	N	ES-Q05-080520
East	Q9	ES-Q09-080612	SILVER	0.11	06/09/09	58135	N	ES-Q09-080612
East	Q10	ES-Q10-080606	SILVER	1.1	05/11/09	57543	Y	ES-Q10-080606
East	Q11	ES-Q11-080606	SILVER	1.1	05/11/09	57543	Y	ES-Q11-080606
East	Q17	ES-Q17-080609	SILVER	0.15	05/01/09	57147	N	ES-Q17-080609
East	R5	ES-R05-080521	SILVER	0.11	06/09/09	58135	N	ES-R05-080521
East	R6	ES-R06-080521	SILVER	0.12	06/20/09	58565	N	ES-R06-080521
East	R7	ES-R07-080521	SILVER	0.11	06/10/09	58212	N	ES-R07-080521
East	R9	ES-R09-080520	SILVER	0.13	06/10/09	58212	N	ES-R09-080520
East	R10	ES-R10-080602	SILVER	0.14	06/10/09	58212	N	ES-R10-080602
East	R11	ES-R11-080605	SILVER	1	05/11/09	57543	Y	ES-R11-080605
East	R12	ES-R12-080611	SILVER	1.1	05/11/09	57543	Y	ES-R12-080611
East	R16	ES-R16-080605	SILVER	0.14	05/01/09	57147	N	ES-R16-080605
East	R17	ES-R17-080606	SILVER	0.12	05/01/09	57147	N	ES-R17-080606
East	S5	ES-S05-080521	SILVER	0.15	06/10/09	58212	N	ES-S05-080521
East	S6	ES-S06-080521	SILVER	0.13	06/10/09	58212	N	ES-S06-080521
East	S7	ES-S07-080521	SILVER	0.12	06/10/09	58212	N	ES-S07-080521
East	S9	ES-S09-080522	SILVER	0.14	06/10/09	58212	N	ES-S09-080522
East	S10	ES-S10-080523	SILVER	0.16	06/10/09	58212	N	ES-S10-080523
East	S11	ES-S11-080528	SILVER	0.17	06/10/09	58212	N	ES-S11-080528
East	S12	ES-S12-080609	SILVER	0.18	05/01/09	57147	N	ES-S12-080609
East	S13	ES-S13-080610	SILVER	0.14	05/01/09	57147	N	ES-S13-080610
East	S18	ES-S18-080606	SILVER	0.15	05/01/09	57147	N	ES-S18-080606
East	T7	ES-T07-080612	SILVER	0.13	06/10/09	58212	N	ES-T07-080612
East	T8	ES-T08-080522	SILVER	0.11	06/09/09	58135	N	DUP-13
East	T8	ES-T08-080522	SILVER	0.13	06/10/09	58212	N	ES-T08-080522
East	T9	ES-T09-080522	SILVER	0.13	06/10/09	58212	N	ES-T09-080522
East	T10	ES-T10-080523	SILVER	0.13	06/10/09	58212	N	ES-T10-080523
East	T10	ES-T10-080523	SILVER	0.14	06/10/09	58212	N	DUP-14

SILVER results from 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis _date	batch_id	detect _flag	sample_name
East	T11	ES-T11-080530	SILVER	0.12	06/10/09	58212	N	ES-T11-080530
East	T12	ES-T12-080609	SILVER	1	05/01/09	57147	Y	ES-T12-080609
East	T13	ES-T13-080609	SILVER	0.98	05/01/09	57147	Y	ES-T13-080609
East	T14	ES-T14-080610	SILVER	0.82	05/01/09	57147	Y	ES-T14-080610
East	U10	ES-U10-080523	SILVER	0.12	06/10/09	58212	N	ES-U10-080523
East	U11	ES-U11-080602	SILVER	0.14	06/20/09	58565	N	ES-U11-080602
East	U13	ES-U13-080610	SILVER	0.75	05/01/09	57284	Y	ES-U13-080610
East	U14	ES-U14-080610	SILVER	0.77	05/01/09	57284	Y	ES-U14-080610
East	V11	ES-V11-080529	SILVER	0.12	06/20/09	58565	N	ES-V11-080529
East	V14	ES-V14-080605	SILVER	0.66	05/01/09	57284	Y	ES-V14-080605
East	W12	ES-W12-080527	SILVER	0.12	06/20/09	58565	N	ES-W12-080527
West	A4	WS-A04-080626	SILVER	0.17	07/13/09	59381	N	WS-A04-080626
West	B3	WS-B03-080502	SILVER	0.11	07/13/09	59381	N	WS-B03-080502
West	B4	WS-B04-080626	SILVER	0.14	07/13/09	59381	N	WS-B04-080626
West	B5	WS-B05-080626	SILVER	0.11	07/27/09	59757	N	WS-B05-080626
West	C1	WS-C01-080501	SILVER	0.12	06/20/09	58565	N	WS-C01-080501
West	C1	WS-C01-080501	SILVER	0.15	06/20/09	58565	N	DUP-3
West	C2	WS-C02-080428	SILVER	0.18	07/20/09	59621	Y	WS-C02-080428
West	C3	WS-C03-080620	SILVER	0.12	07/20/09	59621	N	WS-C03-080620
West	C4	WS-C04-080623	SILVER	0.13	07/20/09	59621	N	WS-C04-080623
West	C5	WS-C05-080620	SILVER	0.12	07/27/09	59757	N	WS-C05-080620
West	C6	WS-C06-080624	SILVER	0.15	07/27/09	59757	N	WS-C06-080624
West	D1	WS-D01-080430	SILVER	0.14	06/20/09	58565	N	WS-D01-080430
West	D2	WS-D02-080429	SILVER	0.14	07/13/09	59381	N	DUP-2
West	D2	WS-D02-080429	SILVER	0.14	07/20/09	59621	N	WS-D02-080429
West	D3	WS-D03-080620	SILVER	0.18	07/20/09	59621	N	WS-D03-080620
West	D4	WS-D04-080623	SILVER	0.12	08/18/09	60439	N	WS-D04-080623
West	D5	WS-D05-080620	SILVER	0.12	07/27/09	59757	N	WS-D05-080620
West	D6	WS-D06-080619	SILVER	0.13	07/27/09	59757	N	WS-D06-080619
West	D7	WS-D07-080619	SILVER	0.11	07/27/09	59757	N	WS-D07-080619
West	E1	WS-E01-080430	SILVER	0.15	06/20/09	58565	N	WS-E01-080430
West	E2	WS-E02-080428	SILVER	0.14	07/13/09	59381	N	DUP-1
West	E2	WS-E02-080428	SILVER	0.14	07/20/09	59621	N	WS-E02-080428
West	E3	WS-E03-080619	SILVER	0.13	07/20/09	59621	N	WS-E03-080619
West	E4	WS-E04-080613	SILVER	0.12	07/27/09	59757	N	WS-E04-080613
West	E5	WS-E05-080613	SILVER	0.17	07/27/09	59757	N	WS-E05-080613
West	E6	WS-E06-080613	SILVER	0.17	07/27/09	59757	N	WS-E06-080613
West	E7	WS-E07-080613	SILVER	0.12	07/27/09	59757	N	WS-E07-080613
West	F1	WS-F01-080429	SILVER	0.14	06/20/09	58565	N	WS-F01-080429
West	F2	WS-F02-080429	SILVER	0.24	07/20/09	59621	Y	WS-F02-080429
West	F3	WS-F03-080619	SILVER	0.51	07/20/09	59621	Y	WS-F03-080619
West	F4	WS-F04-080616	SILVER	0.34	07/29/09	59889	Y	WS-F04-080616
West	F5	WS-F05-080612	SILVER	0.18	08/18/09	60439	Y	WS-F05-080612
West	F6	WS-F06-080612	SILVER	0.18	07/29/09	59889	N	WS-F06-080612
West	F7	WS-F07-080617	SILVER	0.15	07/07/09	58728	N	WS-F07-080617
West	F8	WS-F08-080618	SILVER	0.13	07/07/09	58728	Y	WS-F08-080618

SILVER results from 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis _date	batch_id	detect _flag	sample_name
West	G1	WS-G01-080501	SILVER	0.13	06/20/09	58565	N	DUP-4
West	G1	WS-G01-080501	SILVER	0.13	07/07/09	58728	N	WS-G01-080501
West	G2	WS-G02-080618	SILVER	0.23	07/20/09	59621	Y	WS-G02-080618
West	G3	WS-G03-080619	SILVER	0.11	07/20/09	59621	N	WS-G03-080619
West	G4	WS-G04-080616	SILVER	0.13	07/29/09	59889	N	WS-G04-080616
West	G6	WS-G06-080616	SILVER	0.12	07/29/09	59889	N	WS-G06-080616
West	G7	WS-G07-080617	SILVER	0.42	07/07/09	58728	Y	WS-G07-080617
West	H1	WS-H01-080501	SILVER	0.14	07/07/09	58728	N	WS-H01-080501
West	H2	WS-H02-080618	SILVER	0.17	07/20/09	59621	N	WS-H02-080618
West	H3	WS-H03-080619	SILVER	0.095	07/29/09	59889	N	WS-H03-080619
West	H4	WS-H04-080616	SILVER	0.12	07/29/09	59889	N	WS-H04-080616
West	H6	WS-H06-080617	SILVER	0.15	07/07/09	58728	N	WS-H06-080617
West	I1	WS-I01-080501	SILVER	0.24	07/07/09	58728	Y	DUP-5
West	I1	WS-I01-080501	SILVER	0.25	07/07/09	58728	Y	WS-I01-080501
West	I2	WS-I02-080618	SILVER	0.18	07/27/09	59757	N	WS-I02-080618
West	I3	WS-I03-080618	SILVER	0.18	07/29/09	59889	N	WS-I03-080618
West	I4	WS-I04-080617	SILVER	0.14	07/29/09	59889	N	WS-I04-080617
West	I5	WS-I05-080617	SILVER	0.16	07/07/09	58728	N	WS-I05-080617
West	I6	WS-I06-080617	SILVER	0.45	07/07/09	58728	Y	WS-I06-080617
West	J1	WS-J01-080505	SILVER	0.38	07/07/09	58728	Y	DUP-6
West	J1	WS-J01-080505	SILVER	0.33	07/07/09	58728	Y	WS-J01-080505
West	J2	WS-J02-080624	SILVER	0.16	07/07/09	58728	Y	WS-J02-080624
West	J3	WS-J03-080620	SILVER	0.13	07/07/09	59163	N	WS-J03-080620
West	J4	WS-J04-080617	SILVER	0.39	07/08/09	59163	Y	WS-J04-080617
West	J5	WS-J05-080618	SILVER	0.26	07/08/09	59163	Y	WS-J05-080618
West	K1	WS-K01-080505	SILVER	0.28	07/08/09	59163	Y	WS-K01-080505
West	K2	WS-K02-080509	SILVER	0.22	07/08/09	59163	Y	WS-K02-080509
West	K3	WS-K03-080509	SILVER	0.37	07/08/09	59163	Y	WS-K03-080509
West	K4	WS-K04-080513	SILVER	0.14	07/08/09	59163	N	WS-K04-080513
West	K4	WS-K04-080513	SILVER	0.13	07/27/09	59757	N	DUP-10
West	K5	WS-K05-080509	SILVER	0.13	07/08/09	59163	N	WS-K05-080509
West	L1	WS-L01-080505	SILVER	0.13	07/08/09	59163	N	WS-L01-080505
West	L2	WS-L02-080508	SILVER	0.13	07/08/09	59163	Y	WS-L02-080508
West	L3	WS-L03-080508	SILVER	0.36	07/08/09	59163	Y	WS-L03-080508
West	L4	WS-L04-080508	SILVER	0.14	07/08/09	59163	N	DUP-9
West	L4	WS-L04-080508	SILVER	0.12	07/08/09	59163	N	WS-L04-080508
West	M1	WS-M01-080505	SILVER	0.29	07/08/09	59163	Y	WS-M01-080505
West	M1	WS-M01-080505	SILVER	0.23	07/08/09	59163	Y	DUP-7
West	M2	WS-M02-080507	SILVER	0.18	07/27/09	59757	Y	WS-M02-080507
West	M3	WS-M03-080507	SILVER	0.2	07/20/09	59621	Y	DUP-8
West	M3	WS-M03-080507	SILVER	0.32	08/05/09	60088	Y	WS-M03-080507
West	M4	WS-M04-080507	SILVER	0.24	08/05/09	60088	Y	WS-M04-080507
West	N1	WS-N01-080506	SILVER	0.19	08/05/09	60088	N	WS-N01-080506
West	N2	WS-N02-080506	SILVER	0.13	07/13/09	59381	N	WS-N02-080506
West	N3	WS-N03-080507	SILVER	0.14	07/07/09	58728	Y	WS-N03-080507
West	O1	WS-O01-080506	SILVER	0.14	07/13/09	59381	N	WS-O01-080506

SILVER results from 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis _date	batch_id	detect _flag	sample_name
West	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	93%	
Average Matrix Spike Recovery	N/A	89%	
Maximum LCS RPD	less than 20%	19%	
Maximum Laboratory Duplicate RPD	less than 20%	10%	
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 =	47 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	5 %
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 =	6.4 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	32.5 mg/kg	See Note 2	

Comments: Accuracy concerns are indicated by three observations. First, the matrix spike recovery for several batches (57514, 57848, 58173) are below the lower performance limit (70%). Second, the minimum NPS CRM recovery (48 mg/kg) is less than the vendor provided acceptance limit (49 mg/kg). Third, the average recovery from the NPS CRM (71.7%) is low. A precision concern is indicated by maximum RPDs for CVS splits (47%) greater than the MQO of 35% and by repeated tests on the same sample having a high standard deviation (6.4 mg/kg) relative to the sample average (23.7 mg/kg). The derived reliance level (32.5 mg/kg) is lower than the RGs due to vanadium concentration measurement imprecision and inacccuracy. Precision and accuracy issues 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. However, a review of CVS results for all metals reveals that grids having vanadium concentrations above the derived reliance level, but below the remediation goal, are associated with grids that failed to achieve RGs for copper. Therefore, these CVS results are irrelevant to determining achievement of the vanadium RG, because these grids will be re-sampled and again analyzed for vanadium. Therefore, it is concluded that the vanadium CVS concentration measurements below the derived reliance level are of acceptable quality and may be used to determine RG achievement, and vanadium measurements above the reliance level are inconsequential to RG decisionmaking.

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

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)(6.4) = 32.5 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 4-BOR 82	56.7	5/8/09	57514	Y
BOR 83	52.6	5/27/09	57790	Y
BOR 84	52.1	5/27/09	57848	Y
BOR Sample 3-BOR 58	50.5	5/27/09	57790	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
BOR Sample 6-BOR 81	53.4	5/4/09	57400	Y

CRMs		Vendor Supplied Information
Mean	53.0	*Made to*
Standard Error	1.35	*74 mg/kg*
Median	52.3	
Standard Deviation	5.40	*Upper Acceptance Limit*
Sample Variance	29.2	*79 mg/kg*
Kurtosis	7.240	
Skewness	2.430	*Lower Acceptance Limit*
Range	22.3	*49 mg/kg*
Minimum	48.1	
Maximum	70.4	
Sum	848.5	
Count	16	
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

Replicate analyses of Single Sample	
Mean	23.7
Standard Error	1.65
Median	21.2
Standard Deviation	6.40
Sample Variance	41.0
Kurtosis	4.4
Skewness	2.0
Range	25.5
Minimum	16.7
Maximum	42.2
Sum	354.9
Count	15
Largest(2)	30.7
Smallest(2)	19.6

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
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

RPD of Sample Splits	
Mean	11.7
Standard Error	2.0
Median	9.5
Standard Deviation	10.4
Sample Variance	108.3
Kurtosis	3.8
Skewness	1.6
Range	47.4
Minimum	0.0
Maximum	47.4
Sum	326.3
Count	28
Largest(2)	27.9
Smallest(2)	0.5

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	74.45	0
ES-Z12-080606A	75.8	5/4/09	57400	Y		
ES-Z12-080606B	76.1	5/4/09	57400	Y	75.95	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	75.25	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	73.95	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	85.35	3
ES-Z05-080519C	81.6	7/8/09	59165	Y		
ES-Z05-080519D	80.1	7/8/09	59165	Y	80.85	2
ES-Z19-080624A	87.9	7/11/09	59382	Y		
ES-Z19-080624B	84.2	7/11/09	59382	Y	86.05	4
WS-Z17-080618A	84.8	7/11/09	59382	Y		
WS-Z17-080618B	86.1	7/11/09	59382	Y	85.45	2
WS-Z15-080613A	82.4	7/22/09	59623	Y		
WS-Z15-080613B	80.9	7/22/09	59623	Y	81.65	2
WS-Z18-080620A	80.9	7/22/09	59623	Y		
WS-Z18-080620B	84.2	7/22/09	59623	Y	82.55	4
WS-Z16-080617A	77.2	7/30/09	59890	Y		
WS-Z16-080617B	78	7/30/09	59890	Y	77.6	1

Analysis of EQIS CRMs	
Mean	77.0
Standard Error	1.0
Median	76.1
Standard Deviation	5.9
Sample Variance	35.1
Kurtosis	-0.7
Skewness	0.0
Range	23.2
Minimum	64.7
Maximum	87.9
Sum	2619.4
Count	34
Largest(2)	86.6
Smallest(2)	67.9

RPD of EQIS CRMs	
Mean	2.39
Standard Error	
Median	1.99
Standard Deviation	1.50
Sample Variance	2.26
Kurtosis	-1.23
Skewness	0.02
Range	4.69
Minimum	0.13
Maximum	4.83
Sum	40.68
Count	17
Largest(2)	4.30
Smallest(2)	0.28

Table V-6: Vanadium Laboratory MS and LCS

Matrix Spike Recovery %	Batch Order		LCS Recovery %	Batch Order	
155	7160081	1	85	49187	2
92	7160081	1	98	49189	3
85	49187	2	89	49537	4
89	49189	3	86	49539	5
89	49537	4	95	54626-627	6
83	49539	5	93	54821-822	7
87	54626-627	6	92	54891	8
89	54821-822	7	86	54915	9
82	54891	8	93	57100	10
85	54915	9	85	57226	11
79	57100	10	89	57514	12
76	57226	11	83	57790	13
68	57514	12	87	57848	14
71	57790	13	83	58137	15
69	57848	14	119	58213	16
67	58137	15	104	58563	17
116	58213	16	105	58729	18
107	58563	17	97	59165	19
93	58729	18	96	59382	20
88	59165	19	96	59623	21
89	59382	20	107	59758	22
82	59623	21	91	59890	23
94	59758	22	89	60089	24
79	59890	23	94	60440	25
90	60089	24			
97	60440	25			

Average MS Recovery = 89 %
Minimum MS Recovery = 67 %

Average LCS Recovery = 93 %
Minimum LCS Recovery = 83 %

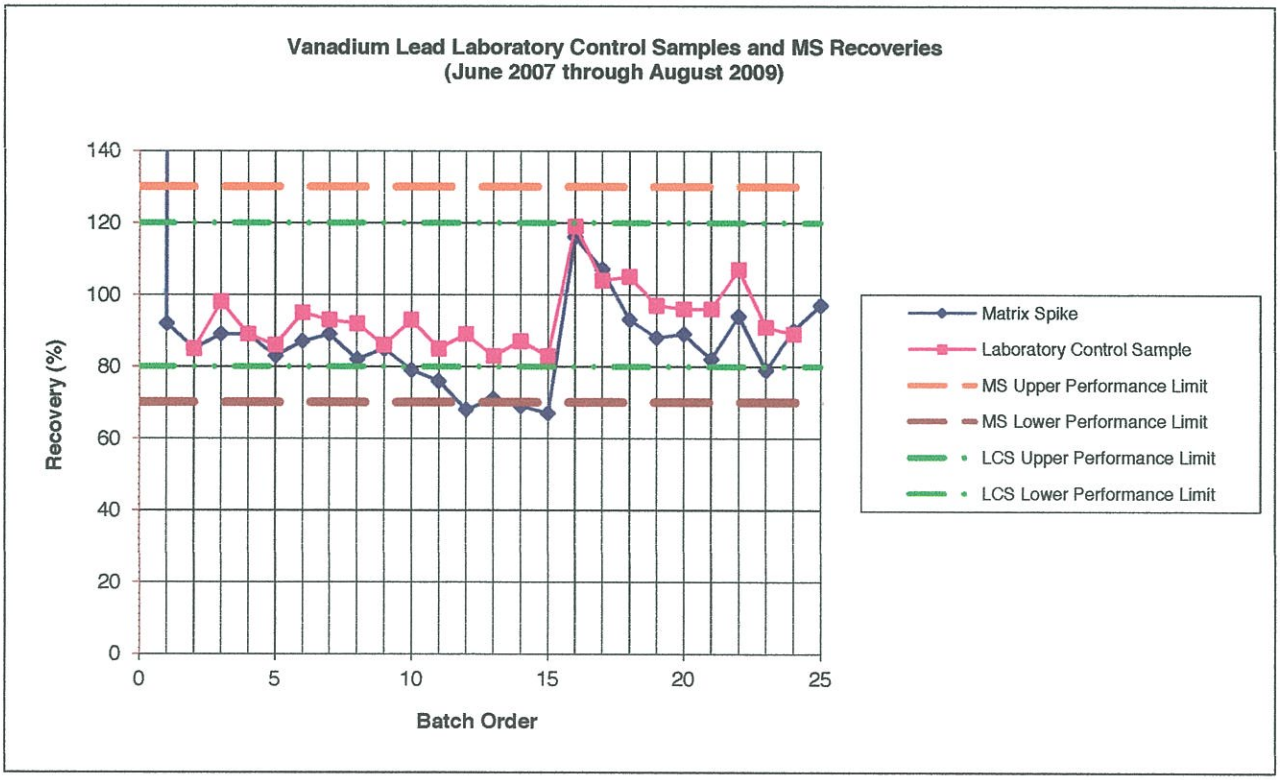
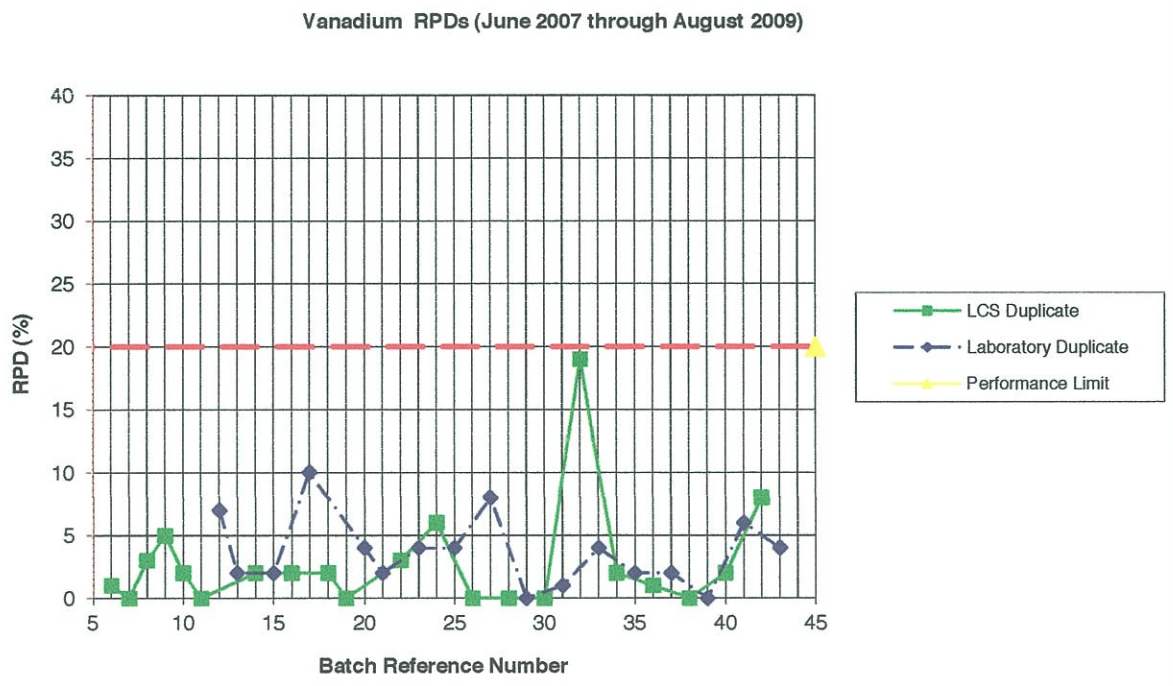


Table V-7: Vanadium - Laboratory Duplicates and LCS Duplicates

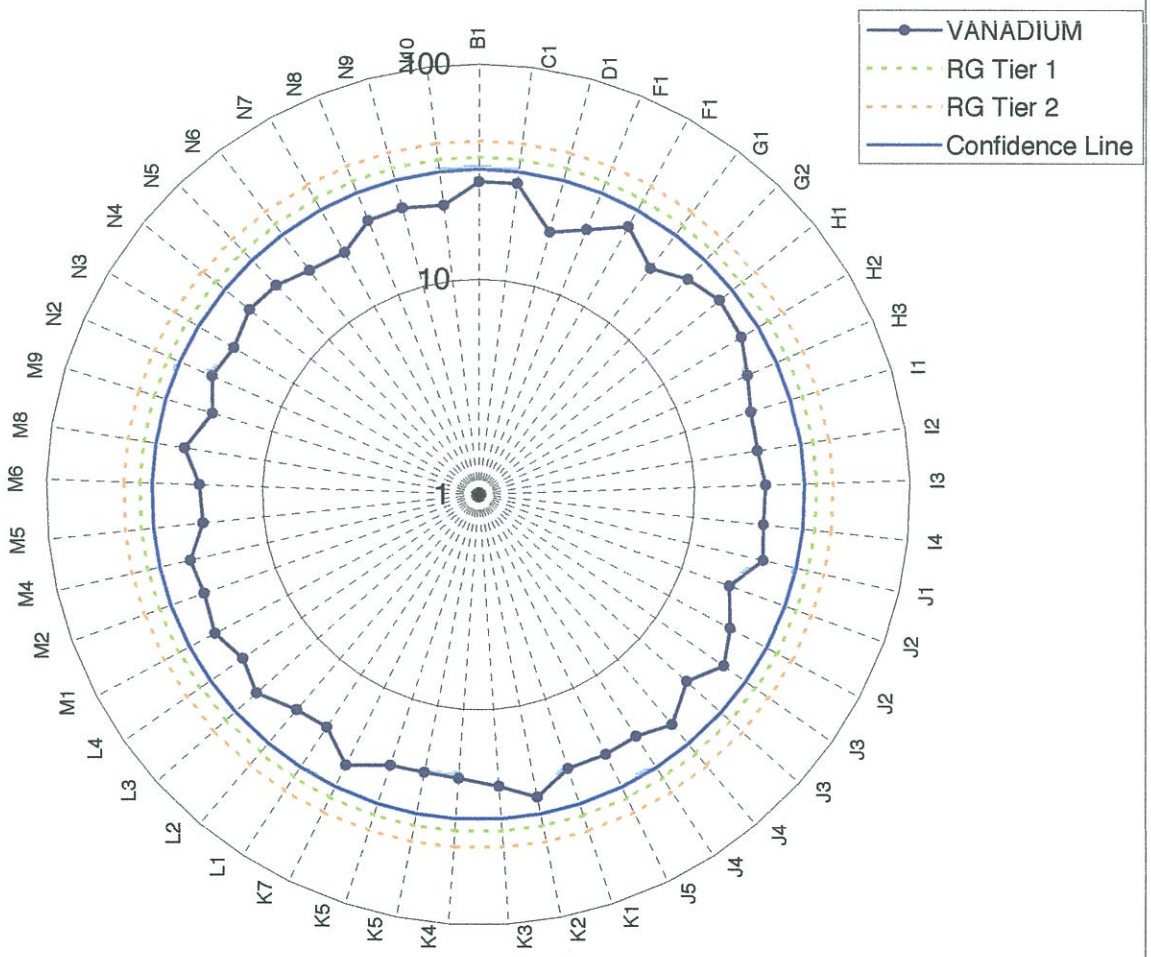
Laboratory Duplicate RPD		Batch Order	LCS Duplicate RPD		Batch Order
7	57100	12	1	54626-627	6
2	57226	13	0	54821-822	7
2	57400	15	3	54891	8
10	57514	17	5	54915	9
4	57790	20	2	57100	10
2	57848	21	0	57226	11
4	58137	23	2	57400	14
4	58213	25	2	57514	16
8	58563	27	2	57790	18
0	58729	29	0	57848	19
1	59165	31	3	58137	22
4	59382	33	6	58213	24
2	59623	35	0	58563	26
2	59758	37	0	59165	30
0	59890	39	19	59382	32
6	60089	41	2	59623	34
4	60440	43	1	59758	36
			0	59890	38
			2	60089	40
			8	60440	42
			8	42	

Average Duplicate RPD = 4 %
Maximum Duplicate RPD = 10 %

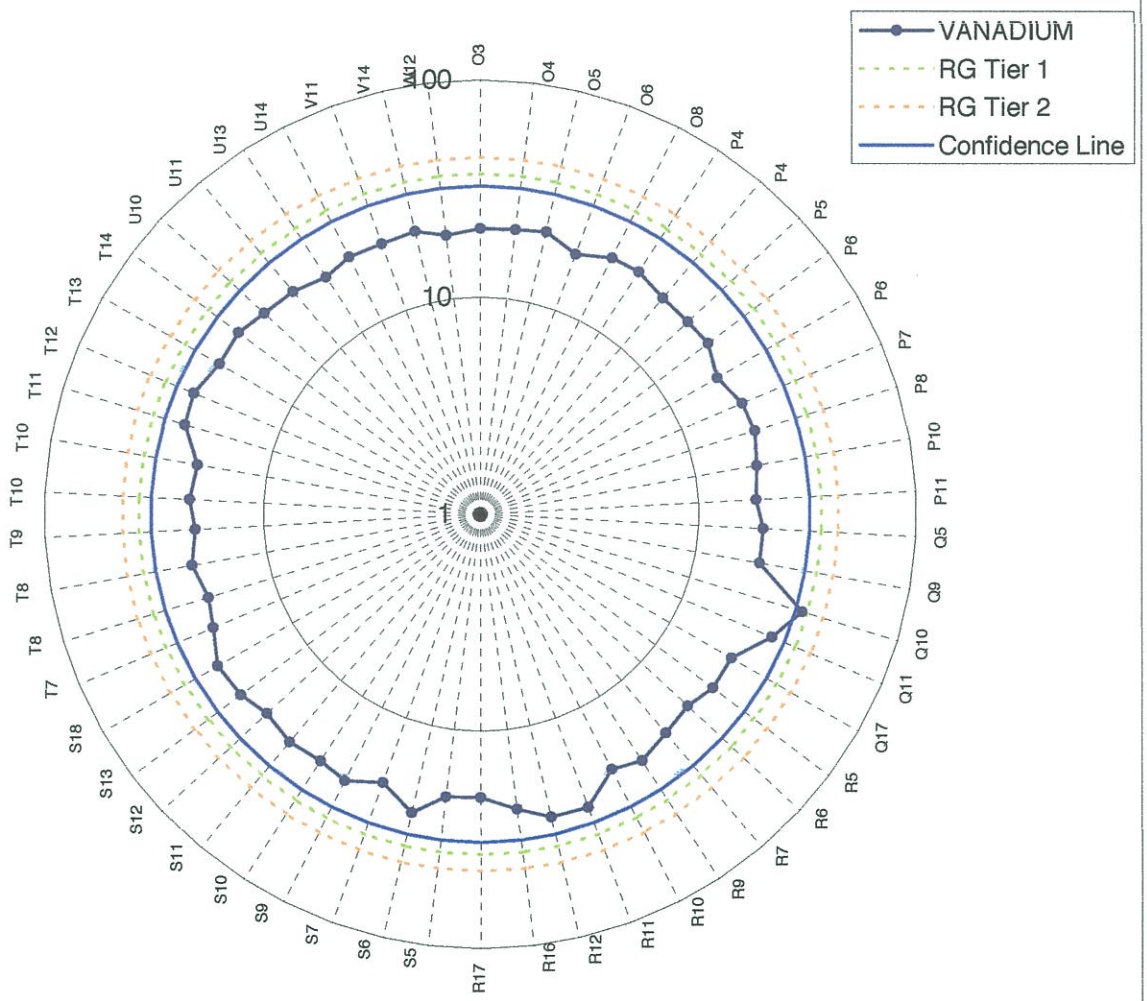
Average LCS RPD = 3 %
Maximum LCS RPD = 19 %



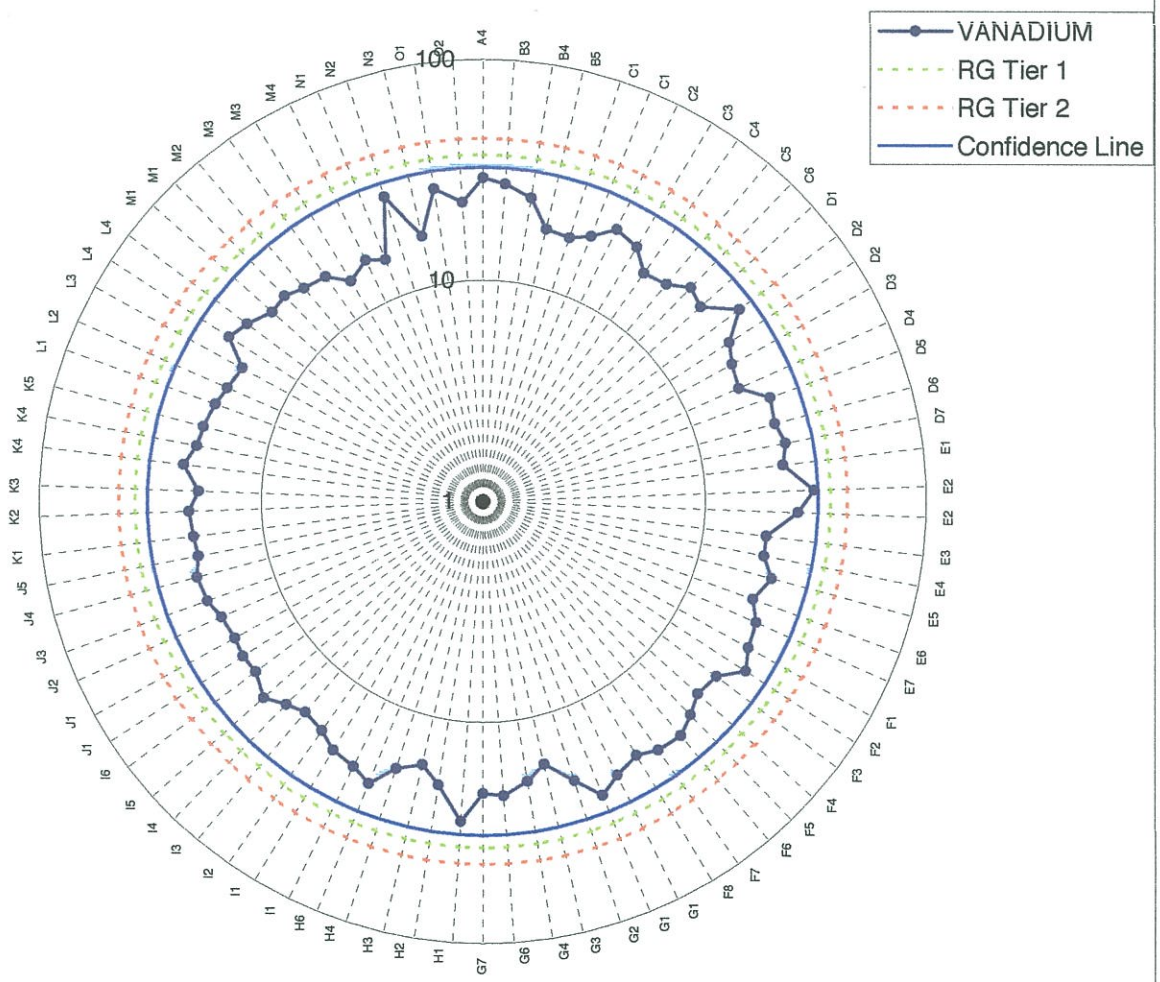
East Site
Grids A through N



East Site
Grids O through W



West Site



VANADIUM CVS Results from 09/11/09 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	B1	ES-B01-080623	VANADIUM	28.4	05/03/09	57100	Y	ES-B01-080623
East	C1	ES-C01-080624	VANADIUM	28.6	05/03/09	57100	Y	ES-C01-080624
East	D1	ES-D01-080624	VANADIUM	18.3	06/05/09	58137	Y	ES-D01-080624
East	F1	ES-F01-080529	VANADIUM	21.3	05/04/09	57400	Y	DUP-17
East	F1	ES-F01-080529	VANADIUM	26.5	05/08/09	57514	Y	ES-F01-080529
East	G1	ES-G01-080529	VANADIUM	20.8	05/08/09	57514	Y	ES-G01-080529
East	G2	ES-G02-080605	VANADIUM	24.7	05/08/09	57514	Y	ES-G02-080605
East	H1	ES-H01-080528	VANADIUM	27.3	05/08/09	57514	Y	ES-H01-080528
East	H2	ES-H02-080515	VANADIUM	26.4	05/08/09	57514	Y	ES-H02-080515
East	H3	ES-H03-080605	VANADIUM	23.2	05/27/09	57790	Y	ES-H03-080605
East	I1	ES-I01-080529	VANADIUM	20.9	05/27/09	57790	Y	ES-I01-080529
East	I2	ES-I02-080514	VANADIUM	20.3	05/27/09	57790	Y	ES-I02-080514
East	I3	ES-I03-080513	VANADIUM	21.5	05/27/09	57790	Y	ES-I03-080513
East	I4	ES-I04-080602	VANADIUM	21.3	05/27/09	57790	Y	ES-I04-080602
East	J1	ES-J01-080529	VANADIUM	22.6	05/27/09	57790	Y	ES-J01-080529
East	J2	ES-J02-080527	VANADIUM	17.3	05/08/09	57514	Y	DUP-15
East	J2	ES-J02-080527	VANADIUM	20.9	05/27/09	57790	Y	ES-J02-080527
East	J3	ES-J03-080513	VANADIUM	24.3	05/03/09	57100	Y	DUP-11
East	J3	ES-J03-080513	VANADIUM	19.8	06/19/09	58563	Y	ES-J03-080513
East	J4	ES-J04-080530	VANADIUM	24.8	05/08/09	57514	Y	DUP-18
East	J4	ES-J04-080530	VANADIUM	21.8	05/27/09	57790	Y	ES-J04-080530
East	J5	ES-J05-080602	VANADIUM	22	05/27/09	57790	Y	ES-J05-080602
East	K1	ES-K01-080602	VANADIUM	21.8	05/27/09	57790	Y	ES-K01-080602
East	K2	ES-K02-080602	VANADIUM	27	05/08/09	57514	Y	ES-K02-080602
East	K3	ES-K03-080514	VANADIUM	22.9	05/27/09	57790	Y	ES-K03-080514
East	K4	ES-K04-080527	VANADIUM	21	05/27/09	57848	Y	ES-K04-080527
East	K5	ES-K05-080605	VANADIUM	20.7	05/27/09	57848	Y	ES-K05-080605
East	K5	ES-K05-080605	VANADIUM	21.1	05/27/09	57848	Y	DUP-19
East	K7	ES-K07-080611	VANADIUM	25.1	05/04/09	57400	Y	ES-K07-080611
East	L1	ES-L01-080625	VANADIUM	19.5	05/27/09	57848	Y	ES-L01-080625
East	L2	ES-L02-080625	VANADIUM	20.3	05/27/09	57848	Y	ES-L02-080625
East	L3	ES-L03-080604	VANADIUM	24	05/27/09	57848	Y	ES-L03-080604
East	L4	ES-L04-080604	VANADIUM	21.4	06/19/09	58563	Y	ES-L04-080604
East	M1	ES-M01-080527	VANADIUM	24	05/27/09	57848	Y	ES-M01-080527
East	M2	ES-M02-080519	VANADIUM	22.3	05/27/09	57848	Y	ES-M02-080519
East	M4	ES-M04-080515	VANADIUM	23.2	05/27/09	57848	Y	ES-M04-080515
East	M5	ES-M05-080527	VANADIUM	19.1	05/27/09	57848	Y	ES-M05-080527
East	M6	ES-M06-080520	VANADIUM	19.6	05/27/09	57848	Y	ES-M06-080520
East	M8	ES-M08-080610	VANADIUM	23.8	05/04/09	57400	Y	ES-M08-080610

East	M9	ES-M09-080611	VANADIUM	19.3	05/04/09	57400	Y	ES-M09-080611
East	N2	ES-N02-080528	VANADIUM	22.4	05/27/09	57848	Y	ES-N02-080528
East	N3	ES-N03-080520	VANADIUM	20.9	05/27/09	57848	Y	ES-N03-080520
East	N4	ES-N04-080519	VANADIUM	23.1	05/27/09	57848	Y	ES-N04-080519
East	N5	ES-N05-080519	VANADIUM	22.4	05/27/09	57848	Y	ES-N05-080519
East	N6	ES-N06-080527	VANADIUM	20.1	06/05/09	58137	Y	ES-N06-080527
East	N7	ES-N07-080530	VANADIUM	19.3	06/05/09	58137	Y	ES-N07-080530
East	N8	ES-N08-080610	VANADIUM	23.5	05/04/09	57400	Y	ES-N08-080610
East	N9	ES-N09-080610	VANADIUM	23.8	05/04/09	57400	Y	ES-N09-080610
East	N10	ES-N10-080610	VANADIUM	22.6	05/04/09	57400	Y	ES-N10-080610
East	O3	ES-O03-080528	VANADIUM	20.7	06/05/09	58137	Y	ES-O03-080528
East	O4	ES-O04-080515	VANADIUM	20.9	06/05/09	58137	Y	ES-O04-080515
East	O5	ES-O05-080520	VANADIUM	21.6	06/05/09	58137	Y	ES-O05-080520
East	O6	ES-O06-080529	VANADIUM	18.8	06/05/09	58137	Y	ES-O06-080529
East	O8	ES-O08-080530	VANADIUM	21.1	07/24/09	59758	Y	ES-O08-080530
East	P4	ES-P04-080528	VANADIUM	21.4	05/27/09	57790	Y	DUP-16
East	P4	ES-P04-080528	VANADIUM	19.9	06/05/09	58137	Y	ES-P04-080528
East	P5	ES-P05-080513	VANADIUM	19.8	06/05/09	58137	Y	ES-P05-080513
East	P6	ES-P06-080515	VANADIUM	20.2	05/27/09	57790	Y	DUP-12
East	P6	ES-P06-080515	VANADIUM	17.9	06/05/09	58137	Y	ES-P06-080515
East	P7	ES-P07-080519	VANADIUM	20.1	05/27/09	57848	Y	ES-P07-080519
East	P8	ES-P08-080530	VANADIUM	20.6	06/05/09	58137	Y	ES-P08-080530
East	P10	ES-P10-080606	VANADIUM	19.3	05/04/09	57400	Y	ES-P10-080606
East	P11	ES-P11-080606	VANADIUM	18.4	05/04/09	57400	Y	ES-P11-080606
East	Q5	ES-Q05-080520	VANADIUM	19.8	06/05/09	58137	Y	ES-Q05-080520
East	Q9	ES-Q09-080612	VANADIUM	19.9	06/05/09	58137	Y	ES-Q09-080612
East	Q10	ES-Q10-080606	VANADIUM	34.9	05/08/09	57514	Y	ES-Q10-080606
East	Q11	ES-Q11-080606	VANADIUM	28.2	05/08/09	57514	Y	ES-Q11-080606
East	Q17	ES-Q17-080609	VANADIUM	21.2	05/03/09	57100	Y	ES-Q17-080609
East	R5	ES-R05-080521	VANADIUM	21.4	06/05/09	58137	Y	ES-R05-080521
East	R6	ES-R06-080521	VANADIUM	19.7	06/19/09	58563	Y	ES-R06-080521
East	R7	ES-R07-080521	VANADIUM	20.7	06/11/09	58213	Y	ES-R07-080521
East	R9	ES-R09-080520	VANADIUM	22.6	06/11/09	58213	Y	ES-R09-080520
East	R10	ES-R10-080602	VANADIUM	20.8	06/11/09	58213	Y	ES-R10-080602
East	R11	ES-R11-080605	VANADIUM	27.4	05/08/09	57514	Y	ES-R11-080605
East	R12	ES-R12-080611	VANADIUM	27	05/08/09	57514	Y	ES-R12-080611
East	R16	ES-R16-080605	VANADIUM	23.4	05/03/09	57100	Y	ES-R16-080605
East	R17	ES-R17-080606	VANADIUM	20.2	05/03/09	57100	Y	ES-R17-080606
East	S5	ES-S05-080521	VANADIUM	20.5	06/11/09	58213	Y	ES-S05-080521
East	S6	ES-S06-080521	VANADIUM	25.7	06/11/09	58213	Y	ES-S06-080521
East	S7	ES-S07-080521	VANADIUM	20.6	06/11/09	58213	Y	ES-S07-080521
East	S9	ES-S09-080522	VANADIUM	23.8	06/11/09	58213	Y	ES-S09-080522

East	S10	ES-S10-080523	VANADIUM	22.6	06/11/09	58213	Y	ES-S10-080523
East	S11	ES-S11-080528	VANADIUM	23.3	06/11/09	58213	Y	ES-S11-080528
East	S12	ES-S12-080609	VANADIUM	22.1	05/03/09	57100	Y	ES-S12-080609
East	S13	ES-S13-080610	VANADIUM	24	05/03/09	57100	Y	ES-S13-080610
East	S18	ES-S18-080606	VANADIUM	24.8	05/03/09	57100	Y	ES-S18-080606
East	T7	ES-T07-080612	VANADIUM	21.6	06/11/09	58213	Y	ES-T07-080612
East	T8	ES-T08-080522	VANADIUM	20.3	06/05/09	58137	Y	DUP-13
East	T8	ES-T08-080522	VANADIUM	22.1	06/11/09	58213	Y	ES-T08-080522
East	T9	ES-T09-080522	VANADIUM	20.5	06/11/09	58213	Y	ES-T09-080522
East	T10	ES-T10-080523	VANADIUM	21.7	06/11/09	58213	Y	ES-T10-080523
East	T10	ES-T10-080523	VANADIUM	20.9	06/11/09	58213	Y	DUP-14
East	T11	ES-T11-080530	VANADIUM	26.1	06/11/09	58213	Y	ES-T11-080530
East	T12	ES-T12-080609	VANADIUM	26.8	05/03/09	57100	Y	ES-T12-080609
East	T13	ES-T13-080609	VANADIUM	24.2	05/03/09	57100	Y	ES-T13-080609
East	T14	ES-T14-080610	VANADIUM	24.6	05/03/09	57100	Y	ES-T14-080610
East	U10	ES-U10-080523	VANADIUM	22.8	06/11/09	58213	Y	ES-U10-080523
East	U11	ES-U11-080602	VANADIUM	21.9	06/19/09	58563	Y	ES-U11-080602
East	U13	ES-U13-080610	VANADIUM	20.1	05/04/09	57400	Y	ES-U13-080610
East	U14	ES-U14-080610	VANADIUM	21.4	05/04/09	57400	Y	ES-U14-080610
East	V11	ES-V11-080529	VANADIUM	21.2	06/19/09	58563	Y	ES-V11-080529
East	V14	ES-V14-080605	VANADIUM	21.7	05/04/09	57400	Y	ES-V14-080605
East	W12	ES-W12-080527	VANADIUM	19.7	06/19/09	58563	Y	ES-W12-080527
West	A4	WS-A04-080626	VANADIUM	29.1	07/11/09	59382	Y	WS-A04-080626
West	B3	WS-B03-080502	VANADIUM	27.5	07/11/09	59382	Y	WS-B03-080502
West	B4	WS-B04-080626	VANADIUM	24.5	07/11/09	59382	Y	WS-B04-080626
West	B5	WS-B05-080626	VANADIUM	18.4	07/24/09	59758	Y	WS-B05-080626
West	C1	WS-C01-080501	VANADIUM	18	06/19/09	58563	Y	WS-C01-080501
West	C1	WS-C01-080501	VANADIUM	19.7	06/19/09	58563	Y	DUP-3
West	C2	WS-C02-080428	VANADIUM	23.4	07/22/09	59623	Y	WS-C02-080428
West	C3	WS-C03-080620	VANADIUM	22	07/22/09	59623	Y	WS-C03-080620
West	C4	WS-C04-080623	VANADIUM	18.2	07/22/09	59623	Y	WS-C04-080623
West	C5	WS-C05-080620	VANADIUM	19.2	07/24/09	59758	Y	WS-C05-080620
West	C6	WS-C06-080624	VANADIUM	22.1	07/24/09	59758	Y	WS-C06-080624
West	D1	WS-D01-080430	VANADIUM	20.7	06/19/09	58563	Y	WS-D01-080430
West	D2	WS-D02-080429	VANADIUM	27.8	07/11/09	59382	Y	DUP-2
West	D2	WS-D02-080429	VANADIUM	21	07/22/09	59623	Y	WS-D02-080429
West	D3	WS-D03-080620	VANADIUM	19.1	07/22/09	59623	Y	WS-D03-080620
West	D4	WS-D04-080623	VANADIUM	18.2	08/17/09	60440	Y	WS-D04-080623
West	D5	WS-D05-080620	VANADIUM	23.8	07/24/09	59758	Y	WS-D05-080620
West	D6	WS-D06-080619	VANADIUM	23	07/24/09	59758	Y	WS-D06-080619
West	D7	WS-D07-080619	VANADIUM	24.4	07/24/09	59758	Y	WS-D07-080619
West	E1	WS-E01-080430	VANADIUM	22.9	06/19/09	58563	Y	WS-E01-080430

West	E2	WS-E02-080428	VANADIUM	31.2	07/11/09	59382	Y	DUP-1
West	E2	WS-E02-080428	VANADIUM	26.3	07/22/09	59623	Y	WS-E02-080428
West	E3	WS-E03-080619	VANADIUM	19.3	07/22/09	59623	Y	WS-E03-080619
West	E4	WS-E04-080613	VANADIUM	19.4	07/24/09	59758	Y	WS-E04-080613
West	E5	WS-E05-080613	VANADIUM	22.2	07/24/09	59758	Y	WS-E05-080613
West	E6	WS-E06-080613	VANADIUM	19.6	07/24/09	59758	Y	WS-E06-080613
West	E7	WS-E07-080613	VANADIUM	22.2	07/24/09	59758	Y	WS-E07-080613
West	F1	WS-F01-080429	VANADIUM	23.1	06/19/09	58563	Y	WS-F01-080429
West	F2	WS-F02-080429	VANADIUM	25.6	07/22/09	59623	Y	WS-F02-080429
West	F3	WS-F03-080619	VANADIUM	20.6	07/22/09	59623	Y	WS-F03-080619
West	F4	WS-F04-080616	VANADIUM	19.9	07/30/09	59890	Y	WS-F04-080616
West	F5	WS-F05-080612	VANADIUM	22	08/17/09	60440	Y	WS-F05-080612
West	F6	WS-F06-080612	VANADIUM	24.1	07/30/09	59890	Y	WS-F06-080612
West	F7	WS-F07-080617	VANADIUM	23.6	06/30/09	58729	Y	WS-F07-080617
West	F8	WS-F08-080618	VANADIUM	21.8	06/30/09	58729	Y	WS-F08-080618
West	G1	WS-G01-080501	VANADIUM	23.8	06/19/09	58563	Y	DUP-4
West	G1	WS-G01-080501	VANADIUM	27.1	06/30/09	58729	Y	WS-G01-080501
West	G2	WS-G02-080618	VANADIUM	21.3	07/22/09	59623	Y	WS-G02-080618
West	G3	WS-G03-080619	VANADIUM	16.6	07/22/09	59623	Y	WS-G03-080619
West	G4	WS-G04-080616	VANADIUM	19.1	07/30/09	59890	Y	WS-G04-080616
West	G6	WS-G06-080616	VANADIUM	21.6	07/30/09	59890	Y	WS-G06-080616
West	G7	WS-G07-080617	VANADIUM	21	06/30/09	58729	Y	WS-G07-080617
West	H1	WS-H01-080501	VANADIUM	28.4	06/30/09	58729	Y	WS-H01-080501
West	H2	WS-H02-080618	VANADIUM	19.9	07/22/09	59623	Y	WS-H02-080618
West	H3	WS-H03-080619	VANADIUM	16.7	07/30/09	59890	Y	WS-H03-080619
West	H4	WS-H04-080616	VANADIUM	18.7	07/30/09	59890	Y	WS-H04-080616
West	H6	WS-H06-080617	VANADIUM	23.8	06/30/09	58729	Y	WS-H06-080617
West	I1	WS-I01-080501	VANADIUM	21.6	06/30/09	58729	Y	WS-I01-080501
West	I1	WS-I01-080501	VANADIUM	20.6	06/30/09	58729	Y	DUP-5
West	I2	WS-I02-080618	VANADIUM	18.5	07/24/09	59758	Y	WS-I02-080618
West	I3	WS-I03-080618	VANADIUM	17.6	07/30/09	59890	Y	WS-I03-080618
West	I4	WS-I04-080617	VANADIUM	19	07/30/09	59890	Y	WS-I04-080617
West	I5	WS-I05-080617	VANADIUM	21.4	06/30/09	58729	Y	WS-I05-080617
West	I6	WS-I06-080617	VANADIUM	19.2	06/30/09	58729	Y	WS-I06-080617
West	J1	WS-J01-080505	VANADIUM	19.5	06/30/09	58729	Y	DUP-6
West	J1	WS-J01-080505	VANADIUM	19	06/30/09	58729	Y	WS-J01-080505
West	J2	WS-J02-080624	VANADIUM	19.4	06/30/09	58729	Y	WS-J02-080624
West	J3	WS-J03-080620	VANADIUM	20.9	07/08/09	59165	Y	WS-J03-080620
West	J4	WS-J04-080617	VANADIUM	21.5	07/08/09	59165	Y	WS-J04-080617
West	J5	WS-J05-080618	VANADIUM	20.2	07/08/09	59165	Y	WS-J05-080618
West	K1	WS-K01-080505	VANADIUM	20.5	07/08/09	59165	Y	WS-K01-080505
West	K2	WS-K02-080509	VANADIUM	21.1	07/08/09	59165	Y	WS-K02-080509

West	K3	WS-K03-080509	VANADIUM	19.2	07/08/09	59165	Y	WS-K03-080509
West	K4	WS-K04-080513	VANADIUM	22.8	07/08/09	59165	Y	WS-K04-080513
West	K4	WS-K04-080513	VANADIUM	20.6	07/24/09	59758	Y	DUP-10
West	K5	WS-K05-080509	VANADIUM	20.1	07/08/09	59165	Y	WS-K05-080509
West	L1	WS-L01-080505	VANADIUM	19.2	07/08/09	59165	Y	WS-L01-080505
West	L2	WS-L02-080508	VANADIUM	18.2	07/08/09	59165	Y	WS-L02-080508
West	L3	WS-L03-080508	VANADIUM	17.4	07/08/09	59165	Y	WS-L03-080508
West	L4	WS-L04-080508	VANADIUM	23.1	07/08/09	59165	Y	WS-L04-080508
West	L4	WS-L04-080508	VANADIUM	21.5	07/08/09	59165	Y	DUP-9
West	M1	WS-M01-080505	VANADIUM	19	07/08/09	59165	Y	WS-M01-080505
West	M1	WS-M01-080505	VANADIUM	19.5	07/08/09	59165	Y	DUP-7
West	M2	WS-M02-080507	VANADIUM	18.1	07/24/09	59758	Y	WS-M02-080507
West	M3	WS-M03-080507	VANADIUM	17.4	07/22/09	59623	Y	DUP-8
West	M3	WS-M03-080507	VANADIUM	14.5	08/11/09	60089	Y	WS-M03-080507
West	M4	WS-M04-080507	VANADIUM	16.3	08/11/09	60089	Y	WS-M04-080507
West	N1	WS-N01-080506	VANADIUM	15.1	08/11/09	60089	Y	WS-N01-080506
West	N2	WS-N02-080506	VANADIUM	28	07/11/09	59382	Y	WS-N02-080506
West	N3	WS-N03-080507	VANADIUM	17	06/30/09	58729	Y	WS-N03-080507
West	O1	WS-O01-080506	VANADIUM	27	07/11/09	59382	Y	WS-O01-080506
West	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%	82%	
Minimum Matrix Spike Recovery	greater than 70%	73%	
Average LCS Recovery	N/A	95%	
Average Matrix Spike Recovery	N/A	90%	
Maximum LCS RPD	less than 20%	11%	
Maximum Laboratory Duplicate RPD	less than 20%	48%	
Average LCS RPD	N/A	3%	
Average Laboratory Duplicate RPD	N/A	8%	
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 =	43 %
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 =	5.25 mg/kg
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal	140 mg/kg		
Tier 2 Remediation Goal	none		
QC Derived reliance Level	101 mg/kg	See Note 2	

Comments: All QC accuracy measurements for zinc complied with laboratory performance criteria. However, a high maximum laboratory duplicate RPD (48%) suggests a measurement precision concern. NPS CRM minimum recovery (176 mg/kg) is less than the vendor supplied lower acceptance limit (208 mg/kg) and a low average recovery (85.4 %) suggests a bias towards low measurements. Maximum CVS split RPD (43%) and maximum CRM split RPD (48%) both exceed measurement quality objectives for precision (35%). The qualified performance appears to be isolated to laboratory batch 59383. This batch produced the lowest BOR CRM recovery (63%), the maximum laboratory duplicate RPD (48%), and the maximum CRM split analysis RPD (48%). Grids tested in this batch are West Site A4, B4, O1, O2, N2, D2, E2, and B3. A special derived reliance level equal to 101 mg/kg is calculated to aid with evaluation of batch 59383 using the minimum 63% recovery; this contrasts with the derived reliance level (139 mg/kg) typically calculated using the average recovery (85%). As desired, the zinc CVS measurements representing West Site grids A4, B4, O1, O2, N2, D2, and B3 are below the special derived reliance level (101 mg/kg), indicating acceptable data quality. However, the zinc CVS measurement representing West Site grid E2 exceeds the special derived reliance level, indicating less than desired confidence in the use of this measurement to determine that the zinc RG has been attained. A review of copper data
for E2 reveals that the E2 grid failed to achieve the copper RG. Consequently, the questionable zinc CVS result for grid E2 is not relevant to determining achievement of the zinc RG, because the grid will be re-sampled and again analyzed for zinc. All CVS zinc measurements were less than the derived reliance level calculated using the average recovery (85%). A review of all QC data supports the determination that zinc measurements are of acceptable quality and that the risk of erroneously declaring a grid to have achieved the zinc RG is acceptably low. Therefore, it is concluded that the zinc 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, zinc is not one of them.
Note 2: A special derived reliance level equal to 101 mg/kg is calculated to aid with evaluation of batch 59383 using the minimum 63% recovery; this contrasts with the derived reliance level (139 mg/kg) typically calculated using the average recovery (85%).
Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (140)(1.2)(.85)-(0.84)(5.25) = 139 mg/kg
Batch 59383 derived reliance level is calculated as: (Tier 1 RG)(1.2)(Minimum Recovery)-(0.85)(Standard deviation) = (140)(1.2)(.63)-(0.84)(5.25) = 101 mg/kg (see comment above for special modification)

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 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 6-BOR 81	242	5/4/09	57431	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*
Standard Error	6.7	*280 mg/kg*
Median	243.5	
Standard Deviation	26.8	*Upper Acceptance Limit*
Sample Variance	716.1	*308 mg/kg*
Kurtosis	1.0	
Skewness	-0.5	*Lower Acceptance Limit*
Range	108.0	*208 mg/kg*
Minimum	176.0	
Maximum	284.0	
Sum	3824	
Count	16	
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

Replicate analyses of Single Sample	
Mean	72.0
Standard Error	1.4
Median	72.1
Standard Deviation	5.2
Sample Variance	27.5
Kurtosis	-0.2
Skewness	0.5
Range	17.2
Minimum	64.8
Maximum	82.0
Sum	1079.7
Count	15
Largest(2)	81.3
Smallest(2)	65.3

Table Zn-4: Zinc NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 503	67.5	5/4/09	57431	ES-T11-080530	59.7	6/11/2009	12
BOR 506	60.9	5/6/09	57448	ES-S10-080523	58.6	6/11/2009	4
BOR 504	58.5	5/27/09	57791	ES-M05-080527	61.1	5/28/2009	4
BOR 507	115	6/5/09	58138	ES-O09-080610			
BOR 508	78.4	6/19/09	58564	ES-Q11-080606	61	5/6/2009	25
BOR 510	65.5	6/30/09	58730	OU-8HR-080605	65.6	5/3/2009	0
BOR 501	78.9	7/8/09	59166	WS-L04-080508	77.7	7/8/2009	2
BOR 502	81.4	7/24/09	59759	WS-F05-080612	86	8/18/2009	5
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
DUP-11	95.7	5/3/09	57101	ES-J03-080513	110	6/19/2009	14
DUP-17	92.4	5/4/09	57431	ES-F01-080529	63.5	5/6/2009	37
DUP-15	69.9	5/6/09	57448	ES-J02-080527	86.7	5/27/2009	21
DUP-18	92	5/6/09	57448	ES-J04-080530	110	5/27/2009	18
DUP-12	64.8	5/27/09	57791	ES-P06-080515	61.7	6/5/2009	5
DUP-16	80.1	5/27/09	57791	ES-P04-080528	63.6	6/5/2009	23
DUP-19	68.1	5/28/09	57849	ES-K05-080605	60.8	5/28/2009	11
DUP-13	61.6	6/5/09	58138	ES-T08-080522	66.7	6/11/2009	8
DUP-14	106	6/11/09	58214	ES-T10-080523	102	6/11/2009	4
DUP-3	92.8	6/19/09	58564	WS-C01-080501	92.7	6/19/2009	0
DUP-4	129	6/19/09	58564	WS-G01-080501	98.6	6/30/2009	27
DUP-5	90.7	6/30/09	58730	WS-I01-080501	95.2	6/30/2009	5
DUP-6	122	6/30/09	58730	WS-J01-080505	114	6/30/2009	7
DUP-7	89.4	7/8/09	59166	WS-M01-080505	88.2	7/8/2009	1
DUP-9	75.1	7/8/09	59166	WS-L04-080508	77.7	7/8/2009	3
DUP-1	91.1	7/11/09	59383	WS-E02-080428	109	7/24/2009	18
DUP-2	67.4	7/11/09	59383	WS-D02-080429	79.1	7/24/2009	16
DUP-10	149	7/24/09	59759	WS-K04-080513	124	7/8/2009	18
DUP-8	177	7/24/09	59622	WS-M03-080507	275	8/11/2009	43

RPD of Sample Splits	
Mean	12.2
Standard Error	2.1
Median	7.4
Standard Deviation	11.2
Sample Variance	125.8
Kurtosis	1.1
Skewness	1.2
Range	43.3
Minimum	0.1
Maximum	43.4
Sum	342.3
Count	28
Largest(2)	37.1
Smallest(2)	0.2

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	238.5	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	245.5	6
ES-Z14-080611A	293	6/19/09	58564	Y		
ES-Z14-080611B	284	6/19/09	58564	Y	288.5	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	264.5	16
ES-Z19-080624A	228	7/11/09	59383	Y		
ES-Z19-080624B	231	7/11/09	59383	Y	229.5	1
WS-Z17-080618A	227	7/11/09	59383	Y		
WS-Z17-080618B	178	7/13/09	59383	Y	202.5	24
WS-Z15-080613A	252	40018	59622	Y		
WS-Z15-080613B	259	40018	59622	Y	255.5	3
WS-Z18-080620A	251	40018	59622	Y		
WS-Z18-080620B	247	40018	59622	Y	249	2
WS-Z16-080617A	258	40024	59891	Y		
WS-Z16-080617B	263	40024	59891	Y	260.5	2

Analysis of EQIS CRMs	
Mean	244.2
Standard Error	4.0
Median	244.5
Standard Deviation	23.1
Sample Variance	533.5
Kurtosis	1.1
Skewness	-0.3
Range	115.0
Minimum	178.0
Maximum	293.0
Sum	8302.0
Count	34
Largest(2)	286.0
Smallest(2)	212.0

RPD of EQIS CRMs	
Mean	5.65
Standard Error	
Median	3.43
Standard Deviation	5.96
Sample Variance	35.51
Kurtosis	5.92
Skewness	2.40
Range	22.89
Minimum	1.31
Maximum	24.20
Sum	96.03
Count	17
Largest(2)	16.26
Smallest(2)	1.53

Table Zn-6: Zinc Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
101	7160081	1	104	49187	4
90	7160081	1	93	49189	5
96	49187	2	102	49537	8
86	49189	3	106	49539	9
102	49537	6	93	54626-627	10
101	49539	7	92	54821-822	11
95	54626-627	10	97	54891-892	14
90	54821-822	11	96	54915-916	15
90	54891-892	12	92	57101	16
91	54915-916	13	95	57225	17
85	57101	16	90	57448	18
89	57225	17	88	57791	19
84	57448	18	93	57849	20
80	57791	19	82	58138	21
81	57849	20	102	58214	22
74	58138	21	98	58564	23
109	58214	22	94	58730	24
106	58564	23	94	59166	25
100	58730	24	93	59383	26
87	59166	25	103	59622	27
86	59383	26	89	59759	28
88	59622	27	84	59891	29
83	59759	28	88	60090	30
73	59891	29	103	60441	31
86	60090	30			

Average MS Recovery = 90 %
Minimum MS Recovery = 73 %

Average LCS Recovery = 95 %
Minimum LCS Recovery = 82 %

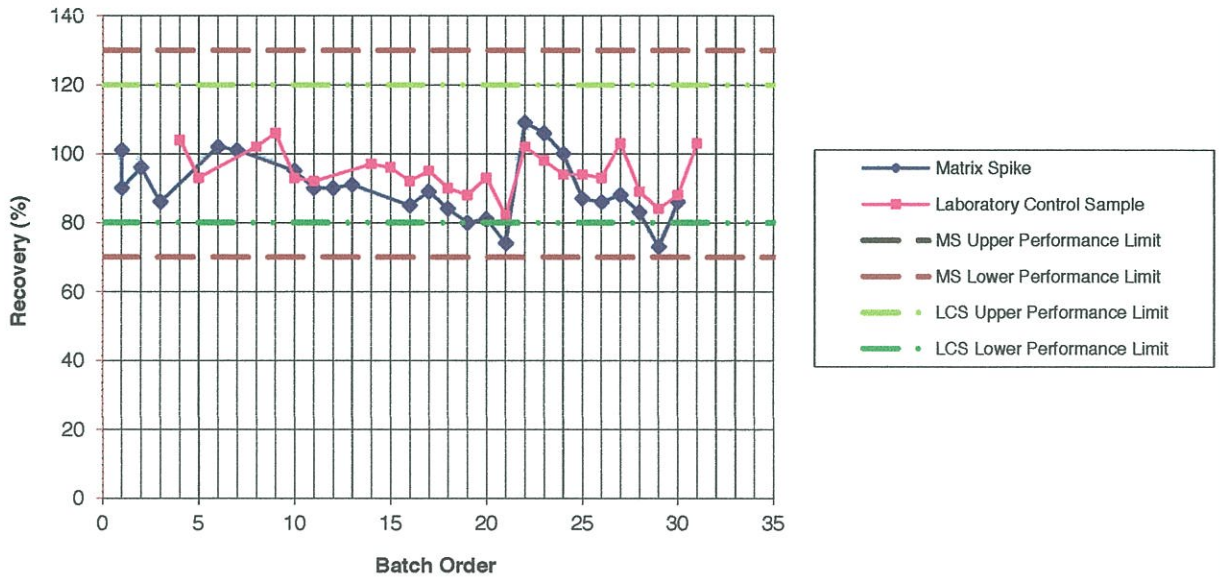


Table Zn-7: Zinc - Laboratory Duplicates and LCS Duplicates

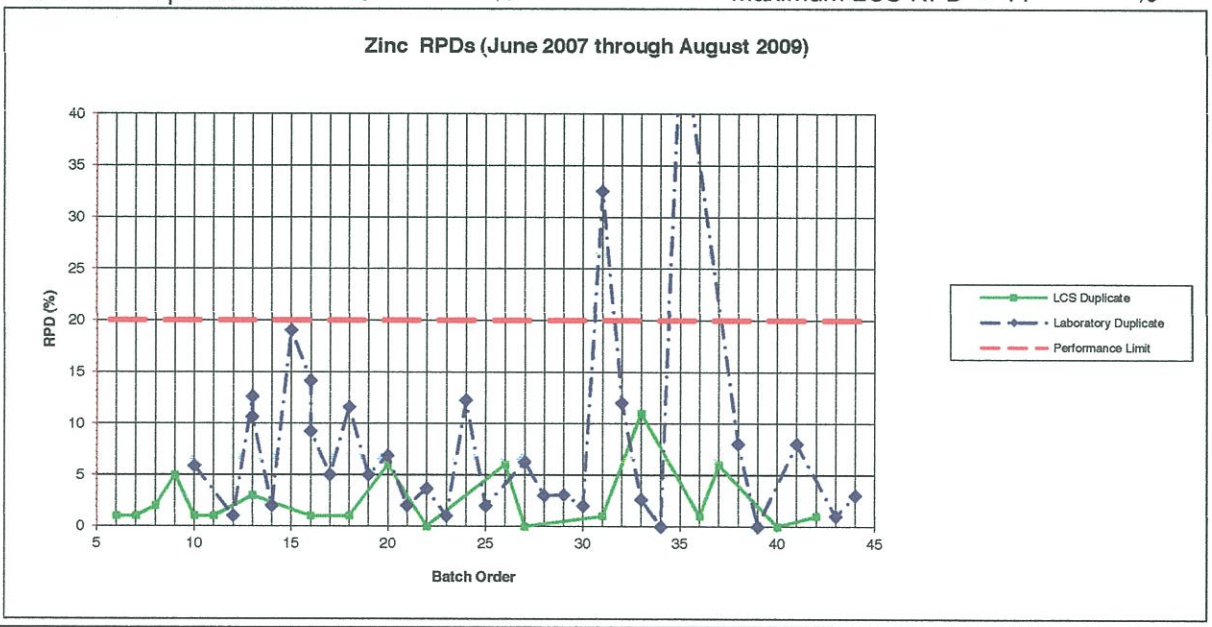
Laboratory Duplicate RPD	Batch	Order	LCS Duplicate RPD	Batch	Order
6	57101	10	1	54626-627	6
1	57101	12	1	54821-822	7
13	57431	13	2	54891-892	8
11	57431	13	5	54915-916	9
2	57225	14	1	57101	10
19	57431	15	1	57225	11
14	57448	16	3	57431	13
9	57448	16	1	57448	16
5	57448	17	1	57791	18
12	57791	18	6	57849	20
5	57791	19	0	58138	22
7	57849	20	6	58214	26
2	57849	21	0	58564	27
4	58138	22	1	59166	31
1	58138	23	11	59383	33
12	58214	24	1	59622	36
2	58214	25	6	59759	37
6	58564	27	0	59891	40
3	58564	28	1	60090	42
3	58730	29			
2	58730	30			
33	59166	31			
12	59166	32			
3	59383	33			
0	59383	34			
48	59383	35			
8	59622	38			
0	59759	39			
8	59891	41			
1	60090	43			
3	60441	44			
3	60441	44			

Average Duplicate RPD = 8 %

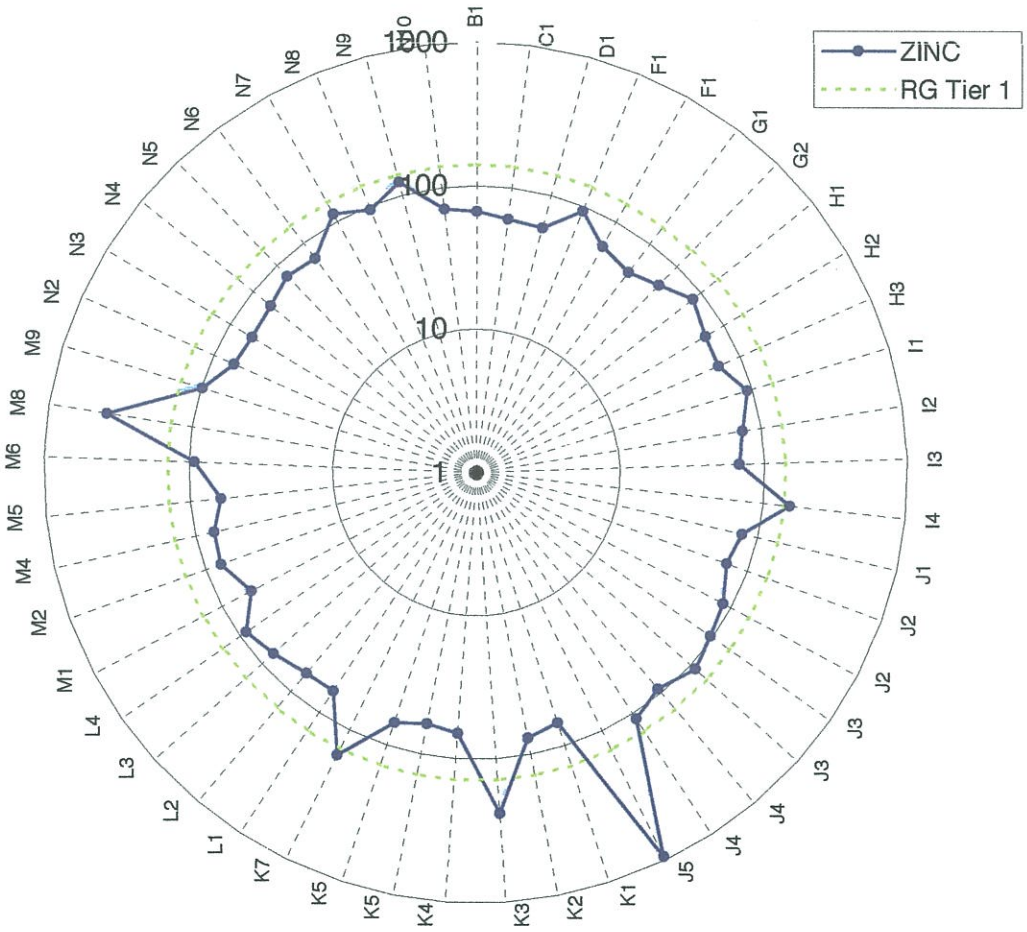
Maximum Duplicate RPD = 48 %

Average LCS RPD = 3 %

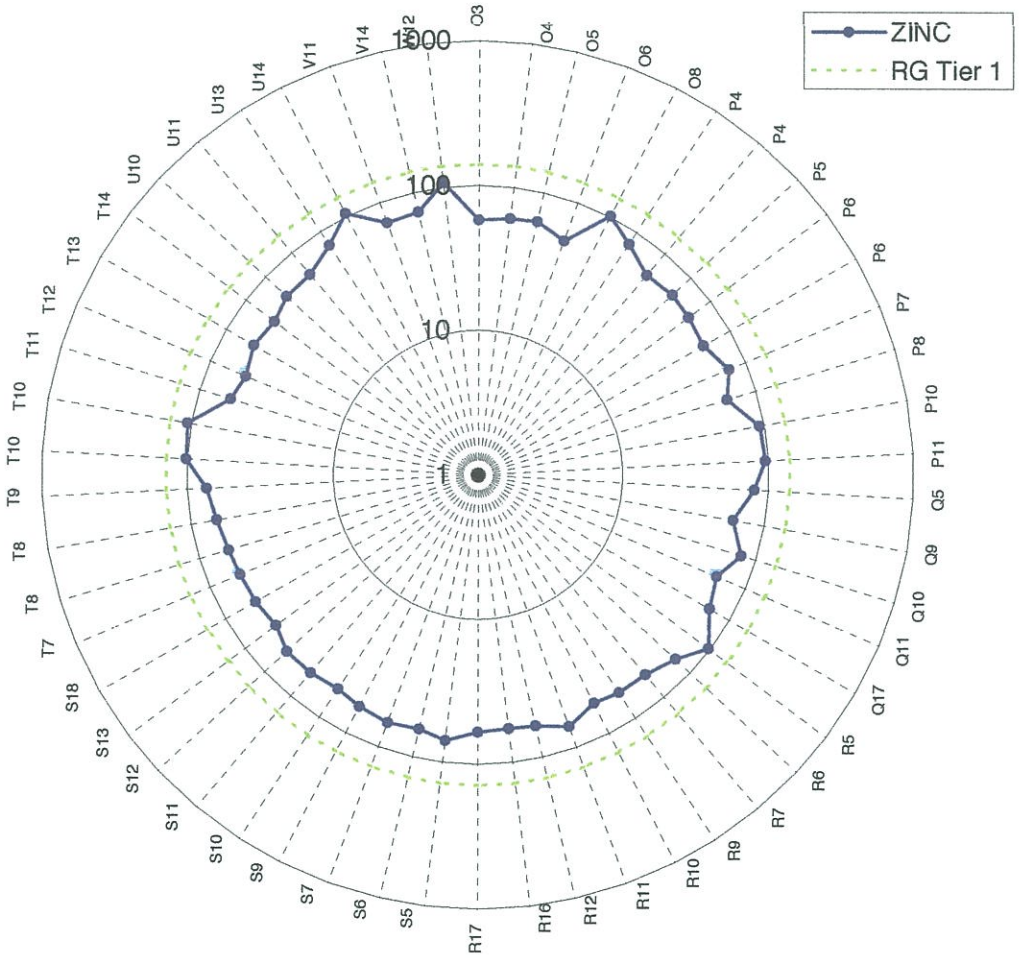
Maximum LCS RPD = 11 %



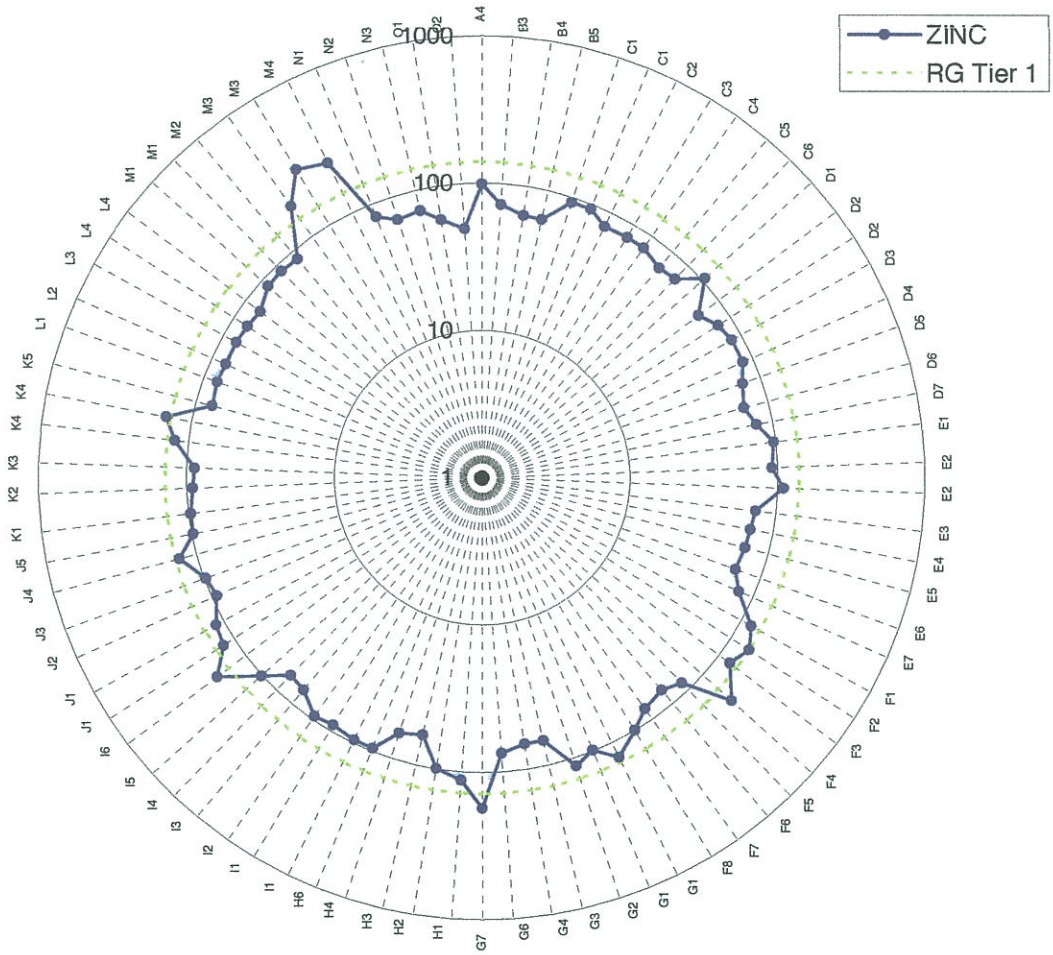
East Site
Grids A through N



East Site
Grids O through W



West Site


ZINC
RG Tier 1
1000
100
10
1
A4
B3
B4
B5
C1
C1
C2
C3
C4
C5
C6
D1
D2
D2
D3
D4
D5
D6
D7
E1
E2
E2
E3
E4
E5
E6
E7
F1
F2
F3
F4
F5
F6
F7
F8
G1
G1
G2
G3
G4
G6
G7
H1
H2
H3
H4
H6
I1
I1
I2
I3
I4
I5
I6
J1
J1
J2
J3
J4
J5
K1
K2
K3
K4
K4
K5
L1
L2
L3
L4
L4
M1
M1
M2
M3
M3
M4
N1
N2
N3
O1
O2

ZINC CVS Results from 09/11/09 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	B1	ES-B01-080623	ZINC	66.1	05/03/09	57101	Y	ES-B01-080623
East	C1	ES-C01-080624	ZINC	60.2	05/03/09	57101	Y	ES-C01-080624
East	D1	ES-D01-080624	ZINC	58.5	06/05/09	58138	Y	ES-D01-080624
East	F1	ES-F01-080529	ZINC	92.4	05/04/09	57431	Y	DUP-17
East	F1	ES-F01-080529	ZINC	63.5	05/06/09	57448	Y	ES-F01-080529
East	G1	ES-G01-080529	ZINC	56.5	05/06/09	57448	Y	ES-G01-080529
East	G2	ES-G02-080605	ZINC	66	05/06/09	57448	Y	ES-G02-080605
East	H1	ES-H01-080528	ZINC	84.6	05/06/09	57448	Y	ES-H01-080528
East	H2	ES-H02-080515	ZINC	70.5	05/06/09	57448	Y	ES-H02-080515
East	H3	ES-H03-080605	ZINC	68.2	05/27/09	57791	Y	ES-H03-080605
East	I1	ES-I01-080529	ZINC	92	05/27/09	57791	Y	ES-I01-080529
East	I2	ES-I02-080514	ZINC	74	05/27/09	57791	Y	ES-I02-080514
East	I3	ES-I03-080513	ZINC	66.1	05/27/09	57791	Y	ES-I03-080513
East	I4	ES-I04-080602	ZINC	153	05/27/09	57791	Y	ES-I04-080602
East	J1	ES-J01-080529	ZINC	77.3	05/27/09	57791	Y	ES-J01-080529
East	J2	ES-J02-080527	ZINC	69.9	05/06/09	57448	Y	DUP-15
East	J2	ES-J02-080527	ZINC	86.7	05/27/09	57791	Y	ES-J02-080527
East	J3	ES-J03-080513	ZINC	95.7	05/03/09	57101	Y	DUP-11
East	J3	ES-J03-080513	ZINC	110	06/19/09	58564	Y	ES-J03-080513
East	J4	ES-J04-080530	ZINC	92	05/06/09	57448	Y	DUP-18
East	J4	ES-J04-080530	ZINC	110	05/27/09	57791	Y	ES-J04-080530
East	J5	ES-J05-080602	ZINC	942	05/27/09	57791	Y	ES-J05-080602
East	K1	ES-K01-080602	ZINC	67.7	05/27/09	57791	Y	ES-K01-080602
East	K2	ES-K02-080602	ZINC	76.5	05/06/09	57448	Y	ES-K02-080602
East	K3	ES-K03-080514	ZINC	241	05/27/09	57791	Y	ES-K03-080514
East	K4	ES-K04-080527	ZINC	66.5	05/28/09	57849	Y	ES-K04-080527
East	K5	ES-K05-080605	ZINC	60.8	05/28/09	57849	Y	ES-K05-080605
East	K5	ES-K05-080605	ZINC	68.1	05/28/09	57849	Y	DUP-19
East	K7	ES-K07-080611	ZINC	157	05/04/09	57431	Y	ES-K07-080611
East	L1	ES-L01-080625	ZINC	66	05/28/09	57849	Y	ES-L01-080625
East	L2	ES-L02-080625	ZINC	67.7	05/28/09	57849	Y	ES-L02-080625
East	L3	ES-L03-080604	ZINC	78.1	05/28/09	57849	Y	ES-L03-080604
East	L4	ES-L04-080604	ZINC	88.4	06/19/09	58564	Y	ES-L04-080604
East	M1	ES-M01-080527	ZINC	58.6	05/28/09	57849	Y	ES-M01-080527
East	M2	ES-M02-080519	ZINC	77.4	05/28/09	57849	Y	ES-M02-080519
East	M4	ES-M04-080515	ZINC	74.3	05/28/09	57849	Y	ES-M04-080515
East	M5	ES-M05-080527	ZINC	61.1	05/28/09	57849	Y	ES-M05-080527
East	M6	ES-M06-080520	ZINC	92.1	05/28/09	57849	Y	ES-M06-080520
East	M8	ES-M08-080610	ZINC	395	05/04/09	57431	Y	ES-M08-080610
East	M9	ES-M09-080611	ZINC	98.4	05/04/09	57431	Y	ES-M09-080611
East	N2	ES-N02-080528	ZINC	69.6	05/28/09	57849	Y	ES-N02-080528

ZINC CVS Results from 09/11/09 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	N3	ES-N03-080520	ZINC	66.3	05/28/09	57849	Y	ES-N03-080520
East	N4	ES-N04-080519	ZINC	69.3	05/28/09	57849	Y	ES-N04-080519
East	N5	ES-N05-080519	ZINC	78.9	05/28/09	57849	Y	ES-N05-080519
East	N6	ES-N06-080527	ZINC	73.3	06/05/09	58138	Y	ES-N06-080527
East	N7	ES-N07-080530	ZINC	114	06/05/09	58138	Y	ES-N07-080530
East	N8	ES-N08-080610	ZINC	94	05/04/09	57431	Y	ES-N08-080610
East	N9	ES-N09-080610	ZINC	124	05/04/09	57431	Y	ES-N09-080610
East	N10	ES-N10-080610	ZINC	70.6	05/04/09	57431	Y	ES-N10-080610
East	O3	ES-O03-080528	ZINC	57.6	06/05/09	58138	Y	ES-O03-080528
East	O4	ES-O04-080515	ZINC	60.6	06/05/09	58138	Y	ES-O04-080515
East	O5	ES-O05-080520	ZINC	62.3	06/05/09	58138	Y	ES-O05-080520
East	O6	ES-O06-080529	ZINC	52.6	06/05/09	58138	Y	ES-O06-080529
East	O8	ES-O08-080530	ZINC	102	07/24/09	59759	Y	ES-O08-080530
East	P4	ES-P04-080528	ZINC	80.1	05/27/09	57791	Y	DUP-16
East	P4	ES-P04-080528	ZINC	63.6	06/05/09	58138	Y	ES-P04-080528
East	P5	ES-P05-080513	ZINC	67	06/05/09	58138	Y	ES-P05-080513
East	P6	ES-P06-080515	ZINC	64.8	05/27/09	57791	Y	DUP-12
East	P6	ES-P06-080515	ZINC	61.7	06/05/09	58138	Y	ES-P06-080515
East	P7	ES-P07-080519	ZINC	75	05/28/09	57849	Y	ES-P07-080519
East	P8	ES-P08-080530	ZINC	61.8	06/05/09	58138	Y	ES-P08-080530
East	P10	ES-P10-080606	ZINC	92.8	05/04/09	57431	Y	ES-P10-080606
East	P11	ES-P11-080606	ZINC	95.2	05/04/09	57431	Y	ES-P11-080606
East	Q5	ES-Q05-080520	ZINC	80.1	06/05/09	58138	Y	ES-Q05-080520
East	Q9	ES-Q09-080612	ZINC	60.5	06/05/09	58138	Y	ES-Q09-080612
East	Q10	ES-Q10-080606	ZINC	78.8	05/06/09	57448	Y	ES-Q10-080606
East	Q11	ES-Q11-080606	ZINC	61	05/06/09	57448	Y	ES-Q11-080606
East	Q17	ES-Q17-080609	ZINC	69.7	05/03/09	57101	Y	ES-Q17-080609
East	R5	ES-R05-080521	ZINC	96.8	06/05/09	58138	Y	ES-R05-080521
East	R6	ES-R06-080521	ZINC	72.9	06/19/09	58564	Y	ES-R06-080521
East	R7	ES-R07-080521	ZINC	62.6	06/11/09	58214	Y	ES-R07-080521
East	R9	ES-R09-080520	ZINC	61.4	06/11/09	58214	Y	ES-R09-080520
East	R10	ES-R10-080602	ZINC	58.6	06/11/09	58214	Y	ES-R10-080602
East	R11	ES-R11-080605	ZINC	70.8	05/06/09	57448	Y	ES-R11-080605
East	R12	ES-R12-080611	ZINC	60	05/06/09	57448	Y	ES-R12-080611
East	R16	ES-R16-080605	ZINC	58.2	05/03/09	57101	Y	ES-R16-080605
East	R17	ES-R17-080606	ZINC	59.9	05/03/09	57101	Y	ES-R17-080606
East	S5	ES-S05-080521	ZINC	70.8	06/11/09	58214	Y	ES-S05-080521
East	S6	ES-S06-080521	ZINC	63.6	06/11/09	58214	Y	ES-S06-080521
East	S7	ES-S07-080521	ZINC	66.5	06/11/09	58214	Y	ES-S07-080521
East	S9	ES-S09-080522	ZINC	62.6	06/11/09	58214	Y	ES-S09-080522
East	S10	ES-S10-080523	ZINC	58.6	06/11/09	58214	Y	ES-S10-080523

ZINC CVS Results from 09/11/09 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	S11	ES-S11-080528	ZINC	61.6	06/11/09	58214	Y	ES-S11-080528
East	S12	ES-S12-080609	ZINC	62.4	05/03/09	57101	Y	ES-S12-080609
East	S13	ES-S13-080610	ZINC	54	05/03/09	57101	Y	ES-S13-080610
East	S18	ES-S18-080606	ZINC	57.6	05/03/09	57101	Y	ES-S18-080606
East	T7	ES-T07-080612	ZINC	59.3	06/11/09	58214	Y	ES-T07-080612
East	T8	ES-T08-080522	ZINC	61.6	06/05/09	58138	Y	DUP-13
East	T8	ES-T08-080522	ZINC	66.7	06/11/09	58214	Y	ES-T08-080522
East	T9	ES-T09-080522	ZINC	73.7	06/11/09	58214	Y	ES-T09-080522
East	T10	ES-T10-080523	ZINC	102	06/11/09	58214	Y	ES-T10-080523
East	T10	ES-T10-080523	ZINC	106	06/11/09	58214	Y	DUP-14
East	T11	ES-T11-080530	ZINC	59.7	06/11/09	58214	Y	ES-T11-080530
East	T12	ES-T12-080609	ZINC	54	05/03/09	57101	Y	ES-T12-080609
East	T13	ES-T13-080609	ZINC	60.3	05/03/09	57101	Y	ES-T13-080609
East	T14	ES-T14-080610	ZINC	56.4	05/03/09	57101	Y	ES-T14-080610
East	U10	ES-U10-080523	ZINC	63.2	06/11/09	58214	Y	ES-U10-080523
East	U11	ES-U11-080602	ZINC	63.6	06/19/09	58564	Y	ES-U11-080602
East	U13	ES-U13-080610	ZINC	77.3	05/04/09	57431	Y	ES-U13-080610
East	U14	ES-U14-080610	ZINC	106	05/04/09	57431	Y	ES-U14-080610
East	V11	ES-V11-080529	ZINC	71.1	06/19/09	58564	Y	ES-V11-080529
East	V14	ES-V14-080605	ZINC	72.9	05/04/09	57431	Y	ES-V14-080605
East	W12	ES-W12-080527	ZINC	108	06/19/09	58564	Y	ES-W12-080527
West	A4	WS-A04-080626	ZINC	98.7	07/11/09	59383	Y	WS-A04-080626
West	B3	WS-B03-080502	ZINC	72.1	07/11/09	59383	Y	WS-B03-080502
West	B4	WS-B04-080626	ZINC	63.7	07/11/09	59383	Y	WS-B04-080626
West	B5	WS-B05-080626	ZINC	63.1	07/24/09	59759	Y	WS-B05-080626
West	C1	WS-C01-080501	ZINC	92.7	06/19/09	58564	Y	WS-C01-080501
West	C1	WS-C01-080501	ZINC	92.8	06/19/09	58564	Y	DUP-3
West	C2	WS-C02-080428	ZINC	78.9	07/24/09	59622	Y	WS-C02-080428
West	C3	WS-C03-080620	ZINC	79.9	07/24/09	59622	Y	WS-C03-080620
West	C4	WS-C04-080623	ZINC	80.1	07/24/09	59622	Y	WS-C04-080623
West	C5	WS-C05-080620	ZINC	72.2	07/24/09	59759	Y	WS-C05-080620
West	C6	WS-C06-080624	ZINC	74.8	07/24/09	59759	Y	WS-C06-080624
West	D1	WS-D01-080430	ZINC	105	06/19/09	58564	Y	WS-D01-080430
West	D2	WS-D02-080429	ZINC	67.4	07/11/09	59383	Y	DUP-2
West	D2	WS-D02-080429	ZINC	79.1	07/24/09	59622	Y	WS-D02-080429
West	D3	WS-D03-080620	ZINC	84.9	07/24/09	59622	Y	WS-D03-080620
West	D4	WS-D04-080623	ZINC	84.8	08/17/09	60441	Y	WS-D04-080623
West	D5	WS-D05-080620	ZINC	74.2	07/24/09	59759	Y	WS-D05-080620
West	D6	WS-D06-080619	ZINC	67.8	07/24/09	59759	Y	WS-D06-080619
West	D7	WS-D07-080619	ZINC	77.4	07/24/09	59759	Y	WS-D07-080619
West	E1	WS-E01-080430	ZINC	96.1	06/19/09	58564	Y	WS-E01-080430

ZINC CVS Results from 09/11/09 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	E2	WS-E02-080428	ZINC	91.1	07/11/09	59383	Y	DUP-1
West	E2	WS-E02-080428	ZINC	109	07/24/09	59622	Y	WS-E02-080428
West	E3	WS-E03-080619	ZINC	72.4	07/24/09	59622	Y	WS-E03-080619
West	E4	WS-E04-080613	ZINC	69.7	07/24/09	59759	Y	WS-E04-080613
West	E5	WS-E05-080613	ZINC	68.7	07/24/09	59759	Y	WS-E05-080613
West	E6	WS-E06-080613	ZINC	66	07/24/09	59759	Y	WS-E06-080613
West	E7	WS-E07-080613	ZINC	78.9	07/24/09	59759	Y	WS-E07-080613
West	F1	WS-F01-080429	ZINC	119	06/19/09	58564	Y	WS-F01-080429
West	F2	WS-F02-080429	ZINC	140	07/24/09	59622	Y	WS-F02-080429
West	F3	WS-F03-080619	ZINC	123	07/24/09	59622	Y	WS-F03-080619
West	F4	WS-F04-080616	ZINC	183	08/05/09	59891	Y	WS-F04-080616
West	F5	WS-F05-080612	ZINC	86	08/18/09	60441	Y	WS-F05-080612
West	F6	WS-F06-080612	ZINC	76.2	07/30/09	59891	Y	WS-F06-080612
West	F7	WS-F07-080617	ZINC	82	06/30/09	58730	Y	WS-F07-080617
West	F8	WS-F08-080618	ZINC	99.5	06/30/09	58730	Y	WS-F08-080618
West	G1	WS-G01-080501	ZINC	129	06/19/09	58564	Y	DUP-4
West	G1	WS-G01-080501	ZINC	98.6	06/30/09	58730	Y	WS-G01-080501
West	G2	WS-G02-080618	ZINC	114	07/24/09	59622	Y	WS-G02-080618
West	G3	WS-G03-080619	ZINC	67.6	07/24/09	59622	Y	WS-G03-080619
West	G4	WS-G04-080616	ZINC	67.5	07/30/09	59891	Y	WS-G04-080616
West	G6	WS-G06-080616	ZINC	74.7	07/30/09	59891	Y	WS-G06-080616
West	G7	WS-G07-080617	ZINC	175	06/30/09	58730	Y	WS-G07-080617
West	H1	WS-H01-080501	ZINC	114	06/30/09	58730	Y	WS-H01-080501
West	H2	WS-H02-080618	ZINC	99.6	07/24/09	59622	Y	WS-H02-080618
West	H3	WS-H03-080619	ZINC	61.8	07/30/09	59891	Y	WS-H03-080619
West	H4	WS-H04-080616	ZINC	66.3	07/30/09	59891	Y	WS-H04-080616
West	H6	WS-H06-080617	ZINC	95.2	06/30/09	58730	Y	WS-H06-080617
West	I1	WS-I01-080501	ZINC	95.2	06/30/09	58730	Y	WS-I01-080501
West	I1	WS-I01-080501	ZINC	90.7	06/30/09	58730	Y	DUP-5
West	I2	WS-I02-080618	ZINC	94.4	07/24/09	59759	Y	WS-I02-080618
West	I3	WS-I03-080618	ZINC	75.3	07/30/09	59891	Y	WS-I03-080618
West	I4	WS-I04-080617	ZINC	73	07/30/09	59891	Y	WS-I04-080617
West	I5	WS-I05-080617	ZINC	102	06/30/09	58730	Y	WS-I05-080617
West	I6	WS-I06-080617	ZINC	176	06/30/09	58730	Y	WS-I06-080617
West	J1	WS-J01-080505	ZINC	122	06/30/09	58730	Y	DUP-6
West	J1	WS-J01-080505	ZINC	114	06/30/09	58730	Y	WS-J01-080505
West	J2	WS-J02-080624	ZINC	92.4	06/30/09	58730	Y	WS-J02-080624
West	J3	WS-J03-080620	ZINC	97.6	07/08/09	59166	Y	WS-J03-080620
West	J4	WS-J04-080617	ZINC	131	07/08/09	59166	Y	WS-J04-080617
West	J5	WS-J05-080618	ZINC	97.6	07/08/09	59166	Y	WS-J05-080618
West	K1	WS-K01-080505	ZINC	96.5	07/08/09	59166	Y	WS-K01-080505

ZINC CVS Results from 09/11/09 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	K2	WS-K02-080509	ZINC	91.4	07/08/09	59166	Y	WS-K02-080509
West	K3	WS-K03-080509	ZINC	88.4	07/08/09	59166	Y	WS-K03-080509
West	K4	WS-K04-080513	ZINC	124	07/08/09	59166	Y	WS-K04-080513
West	K4	WS-K04-080513	ZINC	149	07/24/09	59759	Y	DUP-10
West	K5	WS-K05-080509	ZINC	77.6	07/08/09	59166	Y	WS-K05-080509
West	L1	WS-L01-080505	ZINC	80.5	07/08/09	59166	Y	WS-L01-080505
West	L2	WS-L02-080508	ZINC	79	07/08/09	59166	Y	WS-L02-080508
West	L3	WS-L03-080508	ZINC	79.3	07/08/09	59166	Y	WS-L03-080508
West	L4	WS-L04-080508	ZINC	77.7	07/08/09	59166	Y	WS-L04-080508
West	L4	WS-L04-080508	ZINC	75.1	07/08/09	59166	Y	DUP-9
West	M1	WS-M01-080505	ZINC	88.2	07/08/09	59166	Y	WS-M01-080505
West	M1	WS-M01-080505	ZINC	89.4	07/08/09	59166	Y	DUP-7
West	M2	WS-M02-080507	ZINC	86.7	07/24/09	59759	Y	WS-M02-080507
West	M3	WS-M03-080507	ZINC	177	07/24/09	59622	Y	DUP-8
West	M3	WS-M03-080507	ZINC	275	08/11/09	60090	Y	WS-M03-080507
West	M4	WS-M04-080507	ZINC	238	08/11/09	60090	Y	WS-M04-080507
West	N1	WS-N01-080506	ZINC	81	08/11/09	60090	Y	WS-N01-080506
West	N2	WS-N02-080506	ZINC	69.6	07/11/09	59383	Y	WS-N02-080506
West	N3	WS-N03-080507	ZINC	72.7	06/30/09	58730	Y	WS-N03-080507
West	O1	WS-O01-080506	ZINC	59.1	07/11/09	59383	Y	WS-O01-080506
West	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%	73%	Aroclor 1260
Minimum Matrix Spike Recovery	greater than 50%	48%	Aroclor 1260
Minimum Surrogate Recovery	greater than 50%	41%	Tetrachloro-m-xylene
Average LCS Recovery	N/A	94%	Aroclor 1260
Average Matrix Spike Recovery	N/A	102%	Aroclor 1260
Average Surrogate Recovery	N/A	85%	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 =	0.57 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 =	79.7 %
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, the qualified recovery for this batch will not specifically impact decision-making. The second lowest matrix spike recovery (85%) is greater than the minimum established as laboratory performance criteria (50%). This, and a good average matrix spike recovery (102%), indicates that matrix interference in the measurement of PCBs is unlikely. A low minimum LCS recovery (73%), accompanied by good average LCS recovery (94%), suggest infrequent instrument performance problems. Low minimum surrogate recovery (41%) accompanied by low, but much better average surrogate recovery (85%), indicates that occasionally measurement accuracy may be deficient. 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 vendor's minimum acceptance limit (0.59 mg/kg) suggests a bias towards low readings. (discussion continued on the 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 (0.075mg/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: The maximum CRM split RPD (72%) indicates measurement precision concerns at concentrations near the RG. The derived reliance level (0.059 mg/kg) is less than the RG (0.075 mg/kg) due to less than desirable accuracy and precision. In most grids, the PCB measurements were either below the derived reliance level or above the RG, so the data quality issue will not impact decisions. However, fifteen CVS samples exhibit PCB measurements above the derived reliance level, yet lower than the RG. The PCBs results for three of these samples is supported by similar results on separate samples from the same grid; one of the results represents a grid that was accompanied by a duplicate analysis performed in a different batch that yielded approximately the same measurement, thereby validating the first measurement; and one grid was partially remediated, retested, and the subsequent result is less than the derived reliance level. For the remaining ten grids, (ES-J03, ESQ05, WS-L02, ES-B01, ES-H02, ES-O05, ES-R05, WS-F02, WSI06), the identified data quality deficiencies result in lower than desired confidence regarding decisions related to achievement of the PCB RGs. The acceptability of PCBs data for these ten 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 with diminished confidence was, therefore, considered likely and acceptable. Based on the forgoing discussion and additional review of PCBs QC documents and data, it is concluded that CVS concentration measurements are of sufficient quality to be used to determine RG achievement. Related discussion is contained in Section 8.3 of this report.

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
BO 50,55,58,72	0.057	6/13/08	50461	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
BOR 75,78,81	0.077	6/27/08	50838	1260	Y
BOR SAMPLE 77	0.074	7/9/08	51053	1242	Y
BOR 98	0.062	7/10/08	51067	1242	Y

Indicates Aroclor was misidentified as 1254

1254 CRM		Vendor Supplied Information
Mean	0.089	*Made to*
Median	0.092	*0.111 mg/kg*
Standard Deviation	0.012	
Sample Variance	0.000	*Upper Acceptance Limit*
Kurtosis	-2.07	*0.133 mg/kg*
Skewness	-0.34	
Minimum	0.072	*Lower Acceptance Limit*
Maximum	0.100	*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	1.98	*0.160 mg/kg*
Skewness	-1.20	
Minimum	0.057	*Lower Acceptance Limit*
Maximum	0.089	*0.059 mg/kg*

1242 CRM		Vendor Supplied Information
Mean	0.068	*Made to*
Median	0.068	*0.114 mg/kg*
Standard Deviation	0.008	
Sample Variance	0.000	*Upper Acceptance Limit*
Kurtosis		*0.142 mg/kg*
Skewness		
Minimum	0.062	*Lower Acceptance Limit*
Maximum	0.074	*0.037 mg/kg*

All Aroclors		Interpreted Vendor Supplied Information
Mean	0.082	*Made to weighted average*
Median	0.080	*0.12 mg/kg*
Standard Deviation	0.014	
Sample Variance	0.000	
Kurtosis	-0.84	*Weighted with respect to*
Skewness	-0.16	*number of samples and concentration*
Minimum	0.057	
Maximum	0.100	

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	0.14	All results below reporting limit	All results below reporting limit
Standard Error	0.0085		
Median	0.14		
Standard Deviation	0.028		
Sample Variance	0.00079		
Kurtosis	1.66		
Skewness	0.39		
Range	0.109		
Minimum	0.091		
Maximum	0.2		
Sum	1.54		
Count	11		
Largest(2)	0.16		
Smallest(2)	0.11		

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

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

	RPD of Sample Splits
Mean	18.4
Standard Error	5.54
Median	7.69
Mode	3.28
Standard Deviation	30.8
Sample Variance	950.3
Kurtosis	7.33
Skewness	2.62
Range	138.3
Minimum	0
Maximum	138.3
Sum	571.7
Count	31
Largest(2)	82.8
Smallest(2)	0.00

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	

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

	RPD of Sample Splits
Mean	177.0
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	

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

RPD of Sample Splits	
Mean	75.8
Standard Error	28.57
Median	51.85
Mode	
Standard Deviation	63.9
Sample Variance	4081.7
Kurtosis	0.35
Skewness	1.15
Range	150.8
Minimum	24.242
Maximum	175.0
Sum	378.9
Count	5
Largest(2)	102.4
Smallest(2)	25.35

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	0.415	12
ES-Z06-080520	0.44	5/30/08	50156	Y	1254		
ES-Z07-080522	0.36	5/30/08	50156	Y	1254	0.4	20
ES-Z08-080527	0.34	6/5/08	50261	Y	1254		
ES-Z09-080529	0.49	6/5/08	50293	Y	1254	0.415	36
ES-Z10-080602	0.36	6/13/08	50461	Y	1254		
ES-Z11-080605	0.47	6/26/08	50603	Y	1254	0.415	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	0.505	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	0.485	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	0.405	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	0.425	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	0.465	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	0.5	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	0.385	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	0.455	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	0.395	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	0.062	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	0.069	26

Aroclor	*1254*	*1260*	*RPD of EQIS CRMs*	
Mean	0.44	0.07	Mean	14.30
Standard Error	0.01	0.00	Standard Error	
Median	0.44	0.06	Median	14.67
Standard Deviation	0.06	0.01	Standard Deviation	10.27
Sample Variance	0.00	0.00	Sample Variance	105.43
Kurtosis	-0.76	3.55	Kurtosis	-0.76
Skewness	0.16	1.87	Skewness	0.39
Range	0.23	0.02	Range	34.16
Minimum	0.34	0.06	Minimum	1.98
Maximum	0.57	0.08	Maximum	36.14
Sum	14.07	0.26	Sum	257.47
Count	32.00	4.00	Count	18
Largest(2)	0.51	0.06	Largest(2)	26.51
Smallest(2)	0.36	0.06	Smallest(2)	2.20

Table PCBs 8: Aroclor 1260 Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
48	7129050	1	90	49802	2
101	49802	2	86	49981	3
99	49981	3	96	50156	4
136	50156	4	104	50226	5
86	50226	5	90	50261	6
85	50261	6	89	50293	7
94	50293	7	93	50461	8
99	50461	8	89	50478	9
105	50478	9	111	50603	10
120	50603	10	105	50810	11
121	50810	11	95	50837	12
103	50837	12	101	50838	13
103	50838	13	94	50949	14
93	50949	14	96	51053	15
90	51053	15	96	51067	16
114	51067	16	99	51068	17
102	51068	17	95	51426	18
97	51426	18	92	54430	19
94	54430	19	84	54431	20
97	54431	20	92	54617	21
122	54787	22	73	55140	23
120	55140	23	104	56714	24
110	56714	24			

Average MS Recovery = 102 %

Minimum MS Recovery = 48 %

Average LCS Recovery = 94 %

Minimum LCS Recovery = 73 %

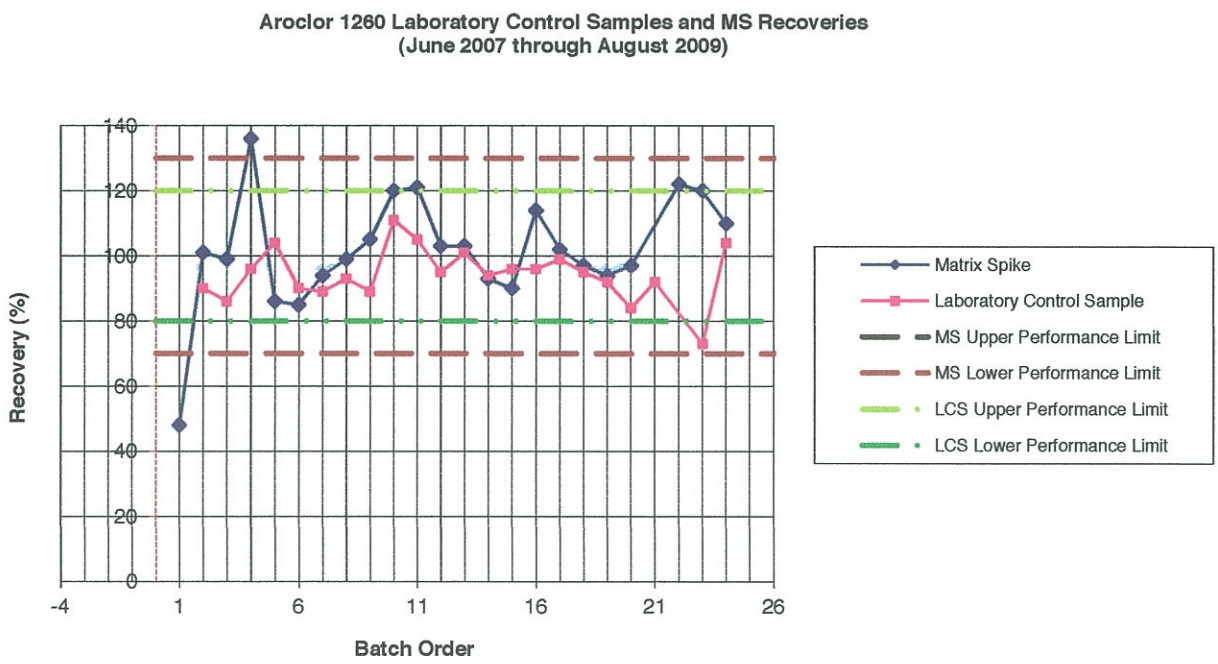


Table PCBs 9: Aroclor 1260 - MSD

Matrix Spike Duplicate RPD	Batch	Order
9	49802	2
6	49981	3
12	50156	4
12	50226	5
32	50261	6
11	50293	7
2	50461	8
3	50478	9
2	50603	10
1	50810	11
1	50837	12
3	50838	13
3	50949	14
4	51053	15
2	51067	16
4	51068	17
1	51426	18
3	54430	19
4	54431	20
2	54787	22
1	55140	23
6	56714	24

Average MSD RPD = 6 %
Maximum MSD RPD = 32 %

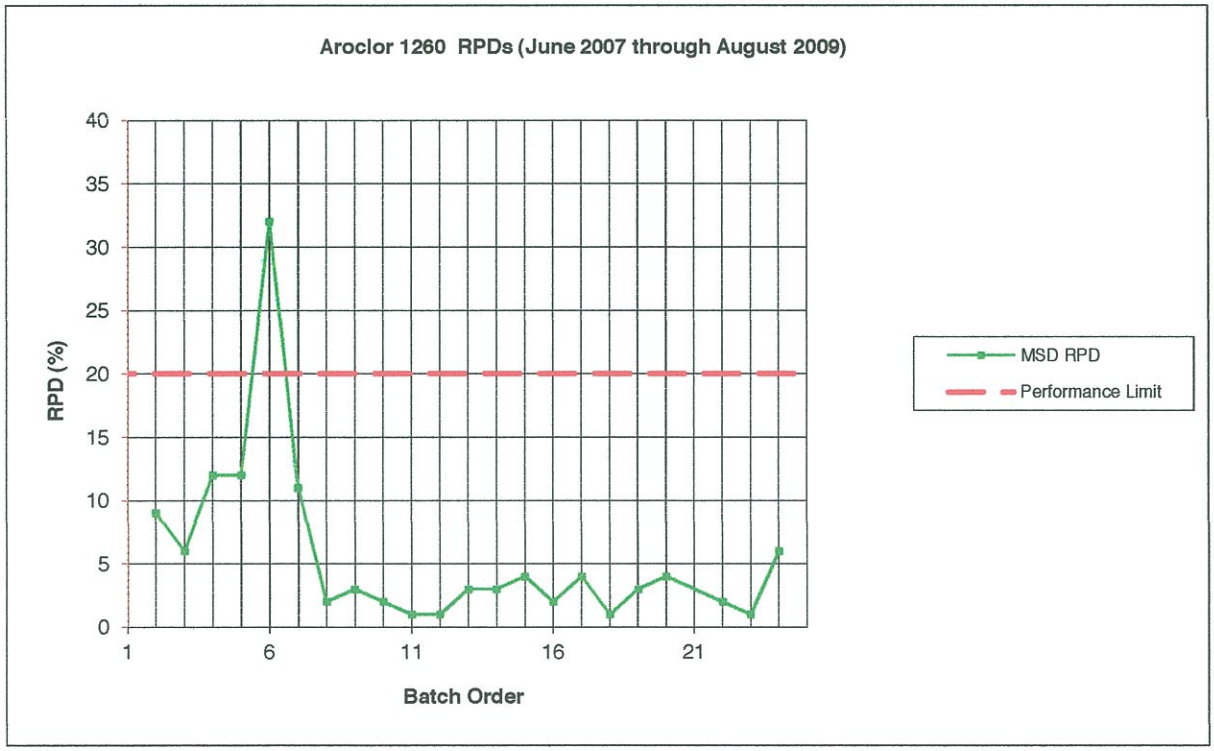


Table PCBs 10: Method 8082 Surrogate (Decachlorobiphenyl) Recoveries

Sample	Recovery	Date	Batch	Order
A7E090000050C	51	05/14/07	7129050	2
BK-102-070430N	64	05/14/07	7129050	3
BK-101-070430N	65	05/14/07	7129050	4
ES-O04-080515	48	06/03/08	50226	55
ES-I02-080514	58	06/03/08	50226	56
ES-P07-080519	47	06/04/08	50226	74
ES-O07-080530	62	06/13/08	50461	120
ES-R16-080605	112	06/26/08	50603	160
ES-U13-080610	54	06/27/08	50810	161
ES-Z10-080602 B	115	06/27/08	50837	212
BOR 94	115	06/27/08	50837	213
ES-Z05-080519 B	117	06/27/08	50837	214
BOR SAMPLES 76,79,!	117	06/27/08	50837	215
ES-Z11-080605 B	118	06/27/08	50837	216
WS-E05-080613	62	07/09/08	50838	217
WS-J04-080617	63	07/09/08	50949	218
ES-K02-080602 B	62	07/10/08	51068	274
BOR 510	64	07/10/08	51067	275
WS-D04-090319	66	04/06/09	56714	342
BOR-702	112	04/06/09	56714	350

For all Surrogate Measurements	
Mean Recovery	91.1
Median	91.0
Mode	91.0
Standard Deviation	10.2
Minimum	47

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

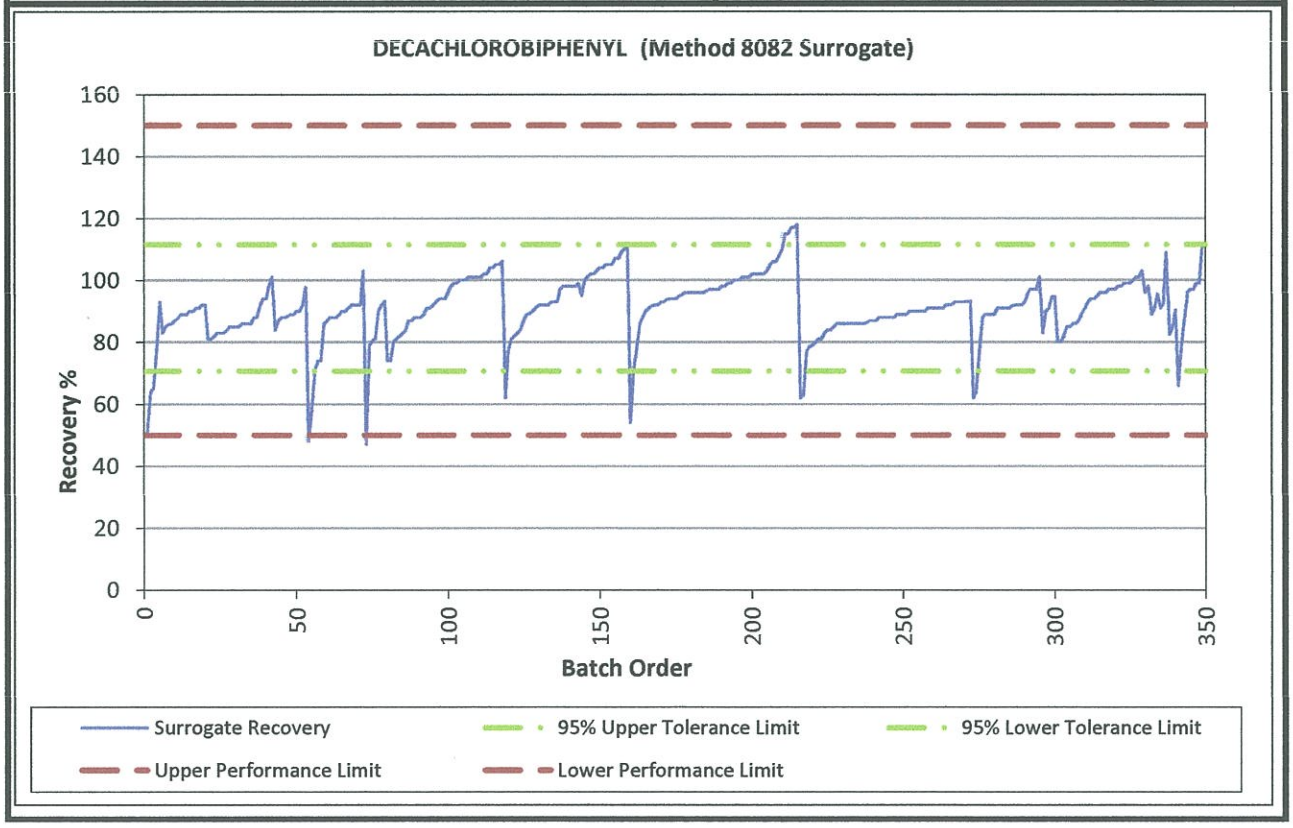
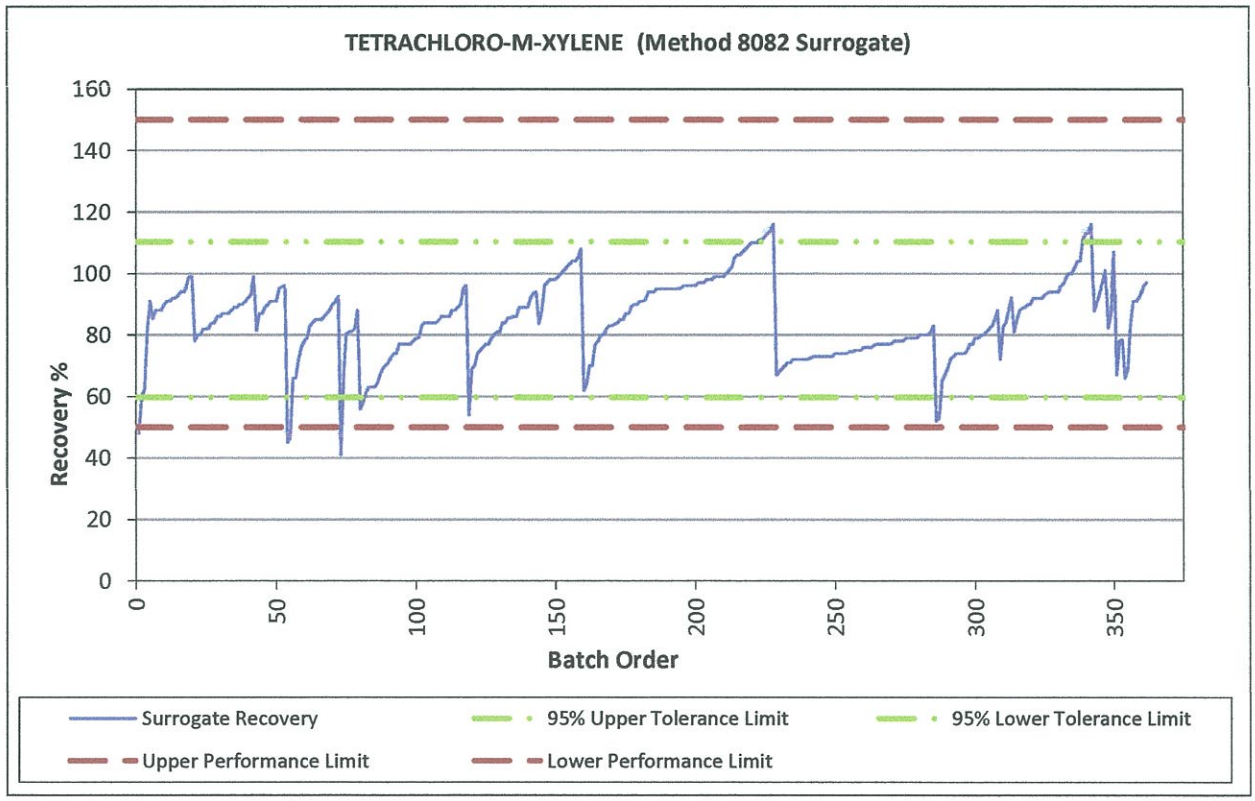


Table PCBs 11: Method 8082 Surrogate (Tetrachloro-m-xylene) Recoveries

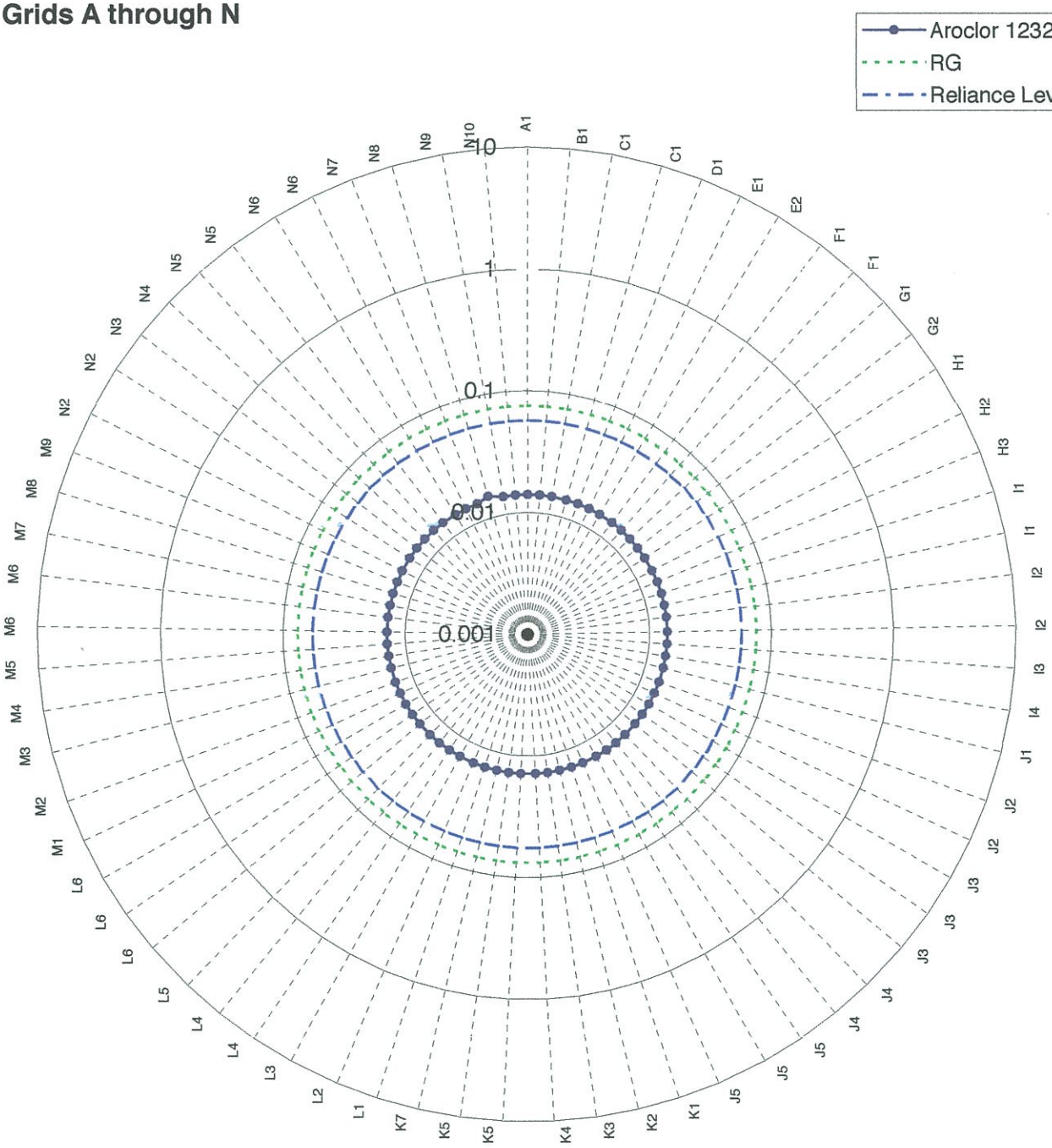
Sample	Recovery	Date	Batch	Order
A7E09000(	48	05/14/07	7129050	2
ES-I02-08(	45	06/03/08	50226	55
ES-O04-08	47	06/03/08	50226	56
ES-P07-08	41	06/04/08	50226	74
ES-S06-08	56	06/05/08	50293	81
ES-Q05-08	58	06/05/08	50293	82
ES-O07-08	54	06/13/08	50461	120
ES-Z11-08	111	06/27/08	50837	224
ES-Z09-08	111	06/27/08	50837	225
ES-Z07-08	112	06/27/08	50837	226
WS-Z02-08	113	06/27/08	50837	227
WS-Z01-08	114	06/27/08	50837	228
ES-Z08-08	116	06/27/08	50837	229
ES-K02-08	52	07/10/08	51068	287
BOR 510	53	07/10/08	51067	288
BOR207	111	11/25/08	54430	340
BOR208	113	11/25/08	54430	341
BOR205	113	11/25/08	54430	342
WS-E05-08	116	11/25/08	54430	343

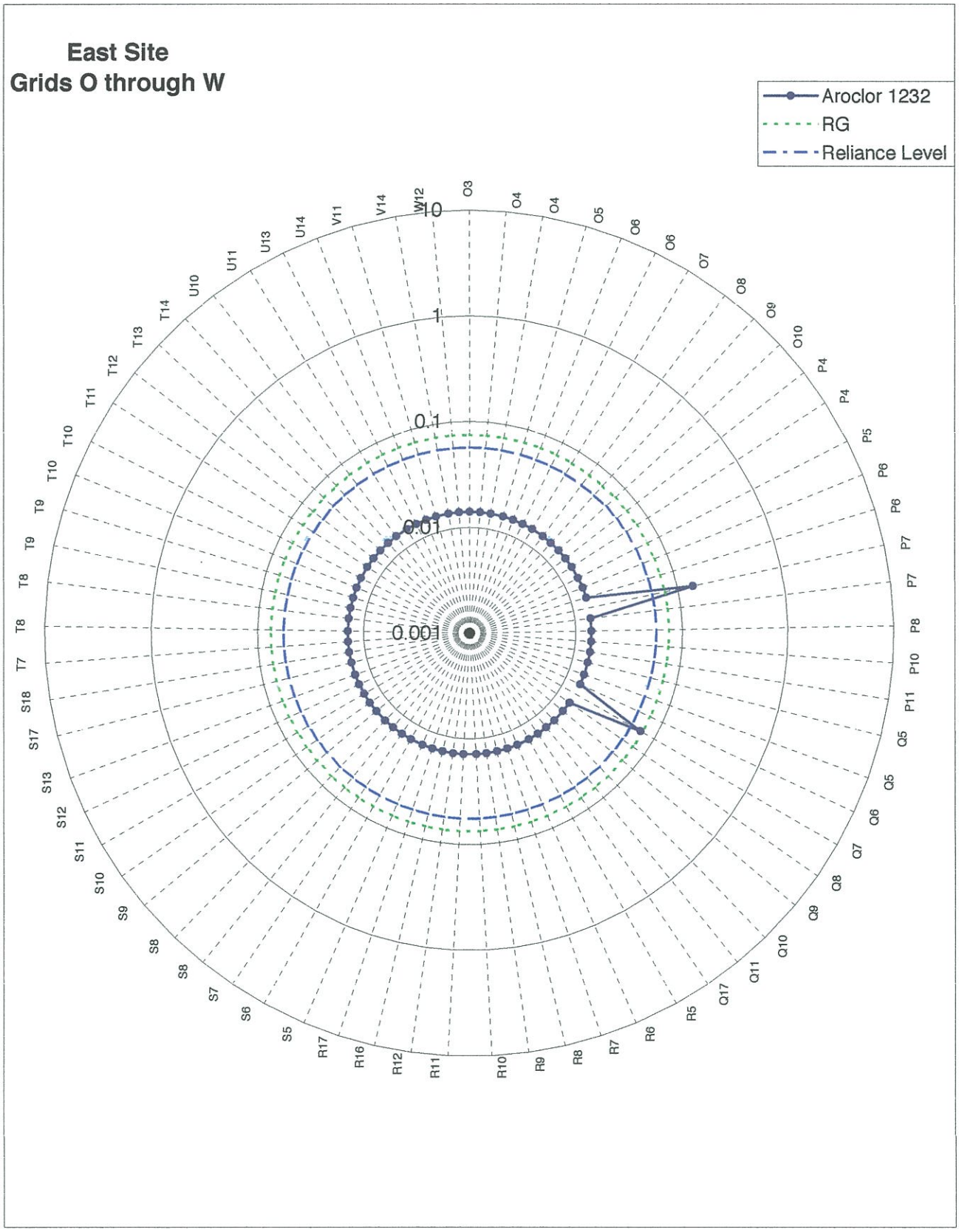
Only samples having surrogate recoveries exceeding the upper or lower tolerance limits are tabularized.

For all Surrogate Measurements	
Mean Recovery	85
Median	85
Mode	77
Standard Deviation	12.7
Minimum	41

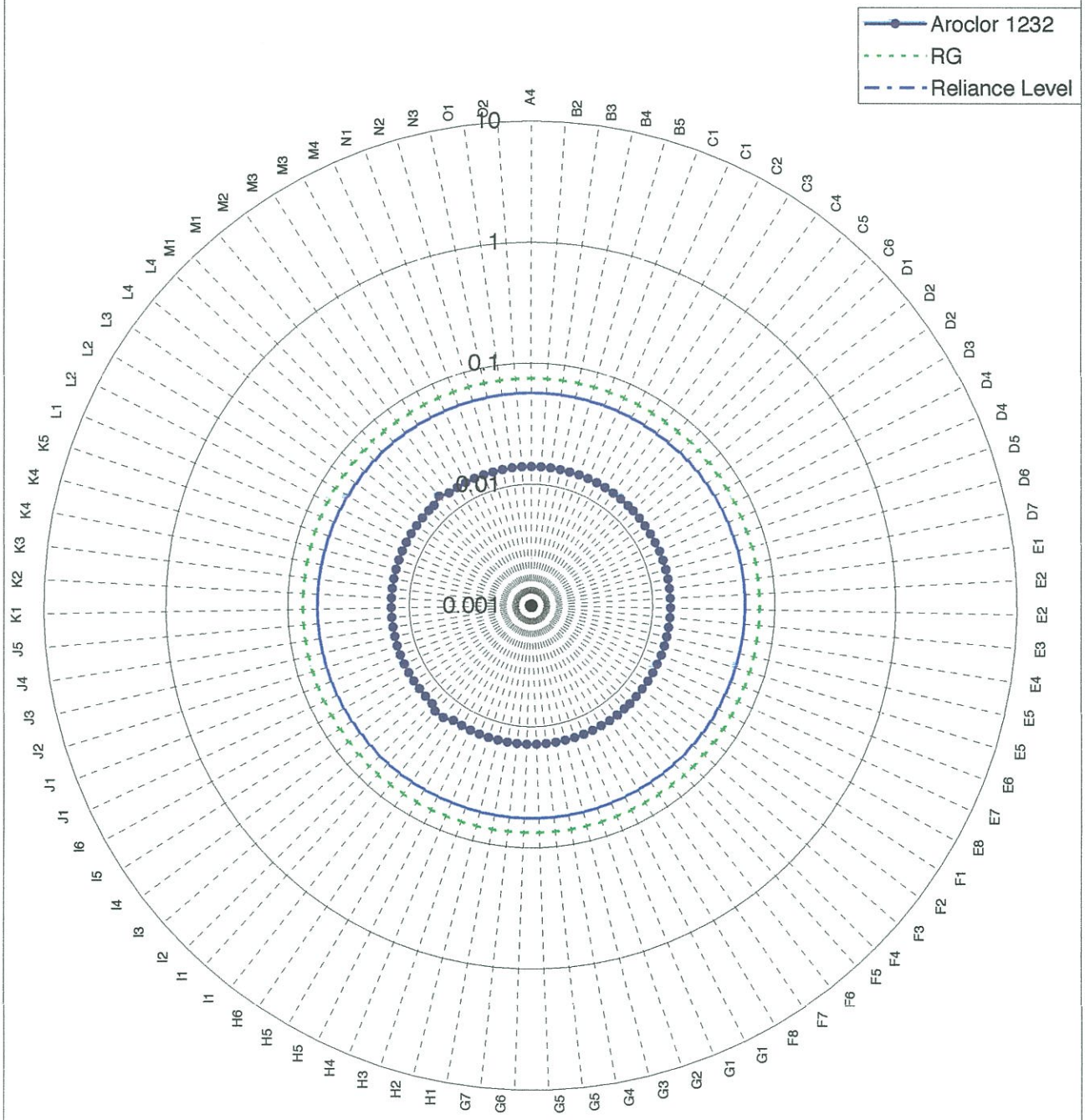


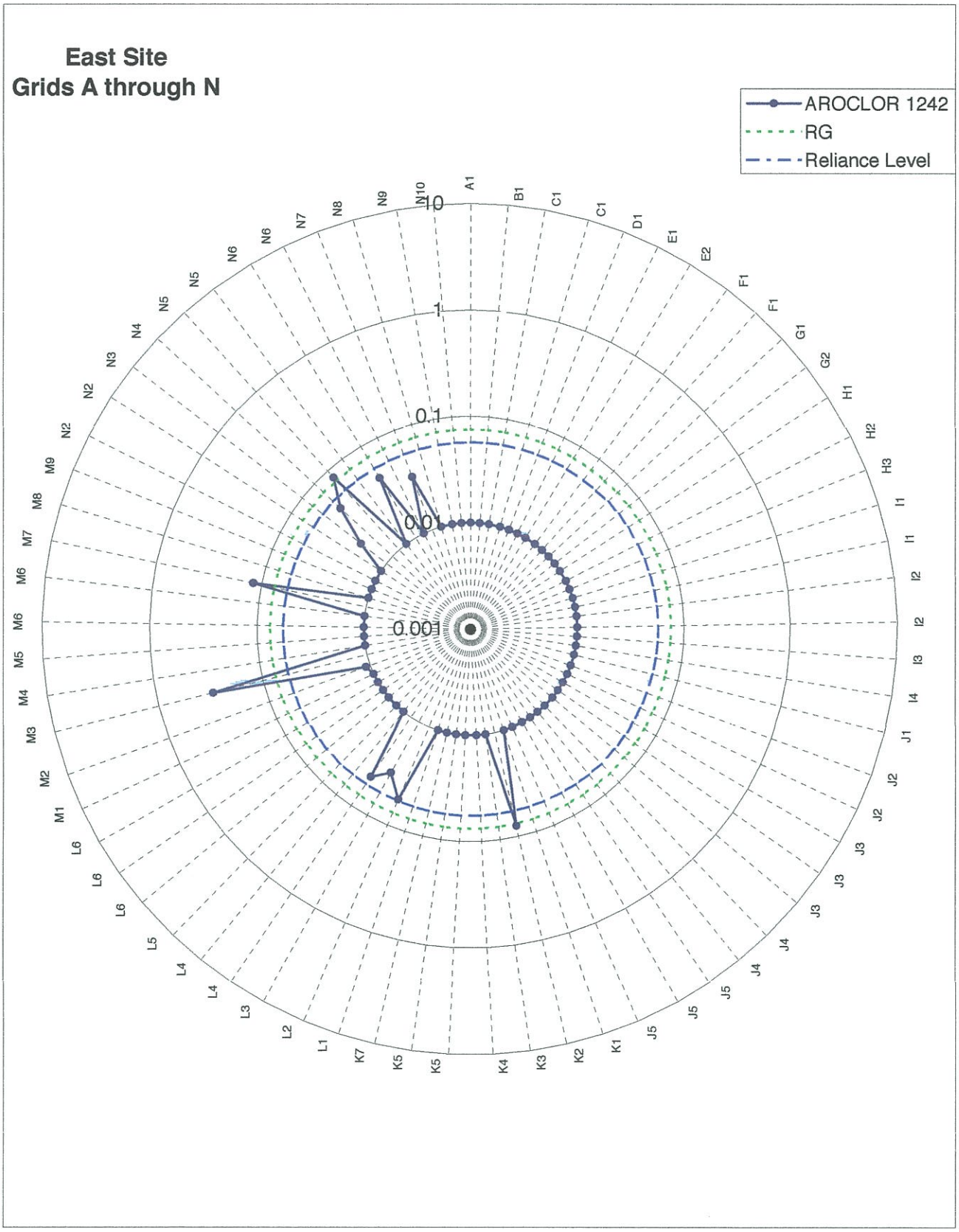
East Site
Grids A through N

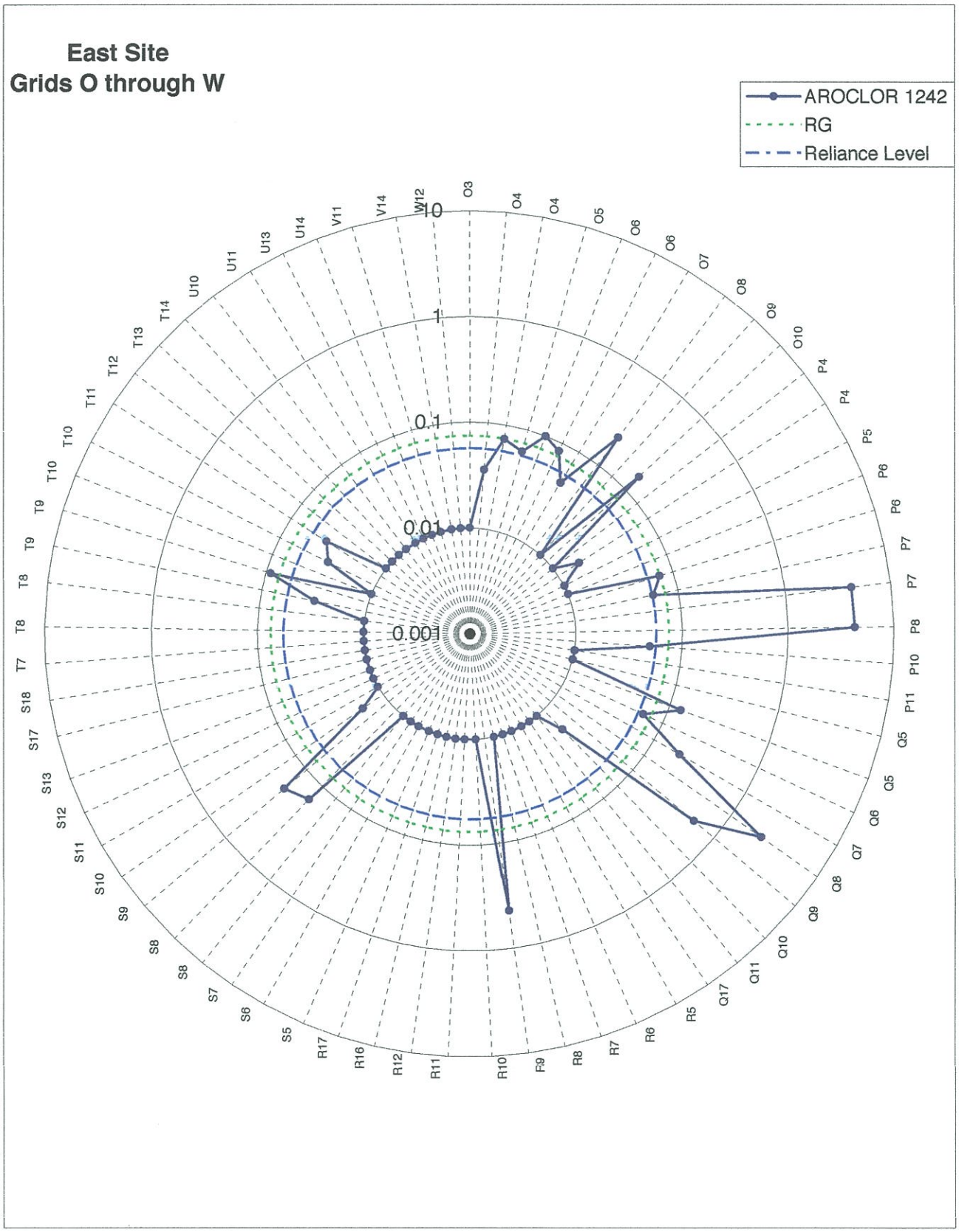



East Site
Grids O through W
Aroclor 1232
RG
Reliance Level
10
1
0.1
0.01
0.001
O3
O4
O4
O5
O6
O6
O7
O8
O9
O10
P4
P4
P5
P6
P6
P7
P7
P8
P10
P11
Q5
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q17
R5
R6
R7
R8
R9
R10
R11
R12
R16
R17
S5
S6
S7
S8
S8
S9
S10
S11
S12
S13
S17
S18
T7
T8
T8
T9
T9
T10
T10
T11
T12
T13
T14
U10
U11
U13
U14
V11
V14
W12

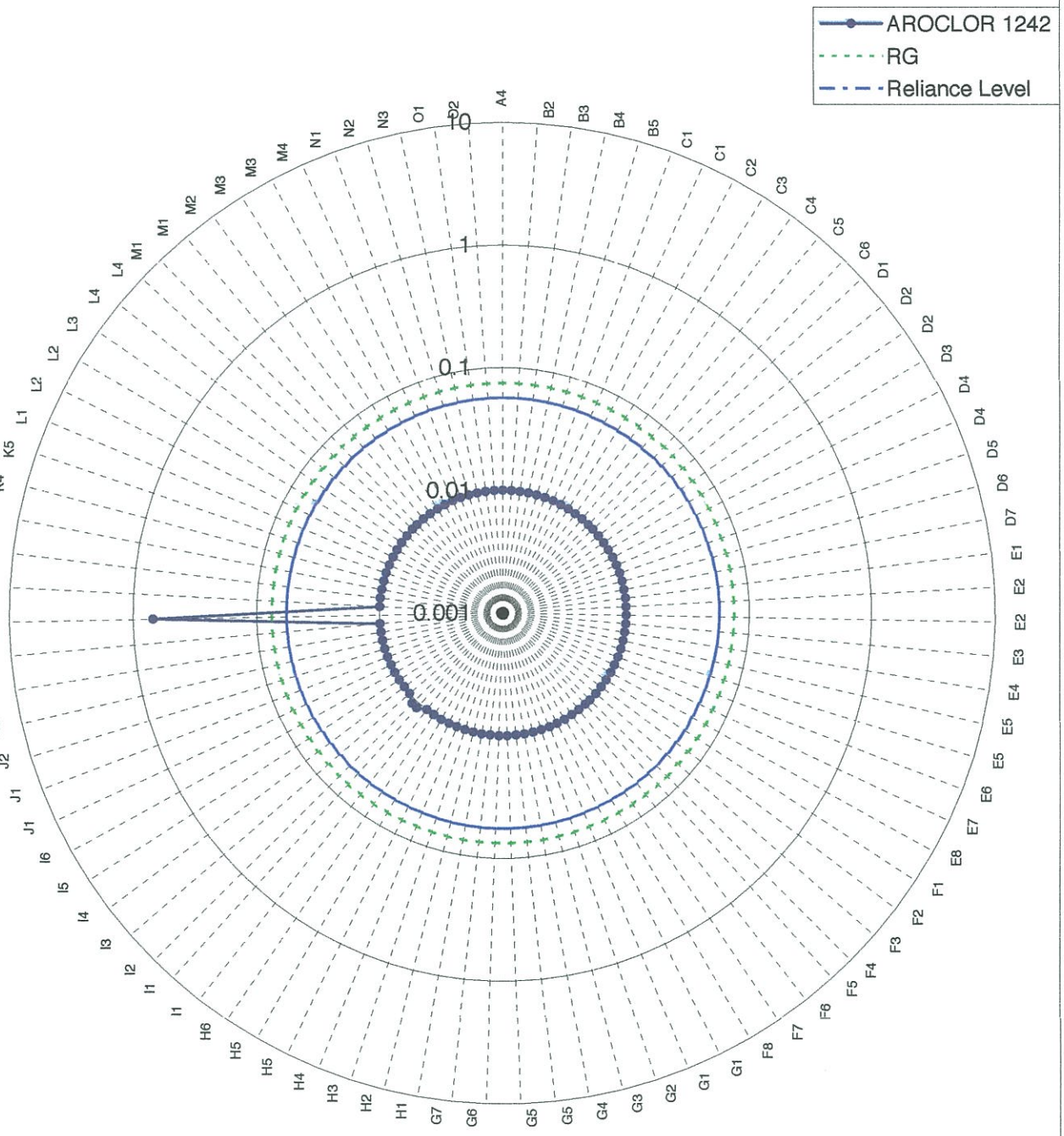
West Site

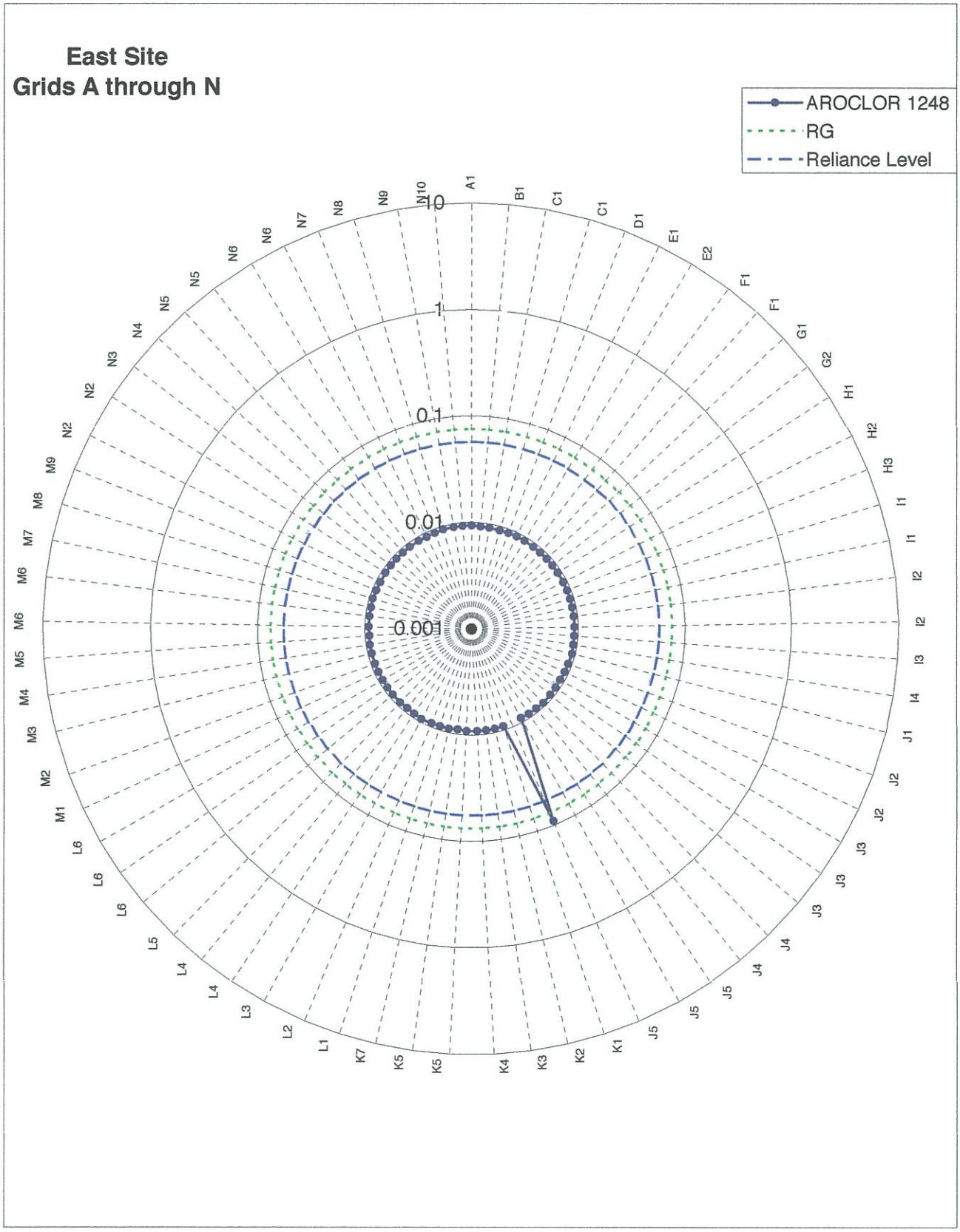

Aroclor 1232
RG
Reliance Level
10
1
0.1
0.01
0.001
A4
B2
B3
B4
B5
C1
C1
C2
C3
C4
C5
C6
D1
D2
D2
D3
D4
D4
D5
D6
D7
E1
E2
E2
E3
E4
E5
E5
E6
E7
E8
F1
F2
F3
F4
F5
F6
F7
F8
G1
G1
G2
G3
G4
G5
G5
G6
G7
H1
H2
H3
H4
H5
H5
H6
I1
I1
I2
I3
I4
I5
I6
J1
J1
J2
J3
J4
J5
K1
K2
K3
K4
K4
K5
L1
L2
L2
L3
L4
L4
M1
M1
M2
M3
M3
M4
N1
N2
N3
O1
O2

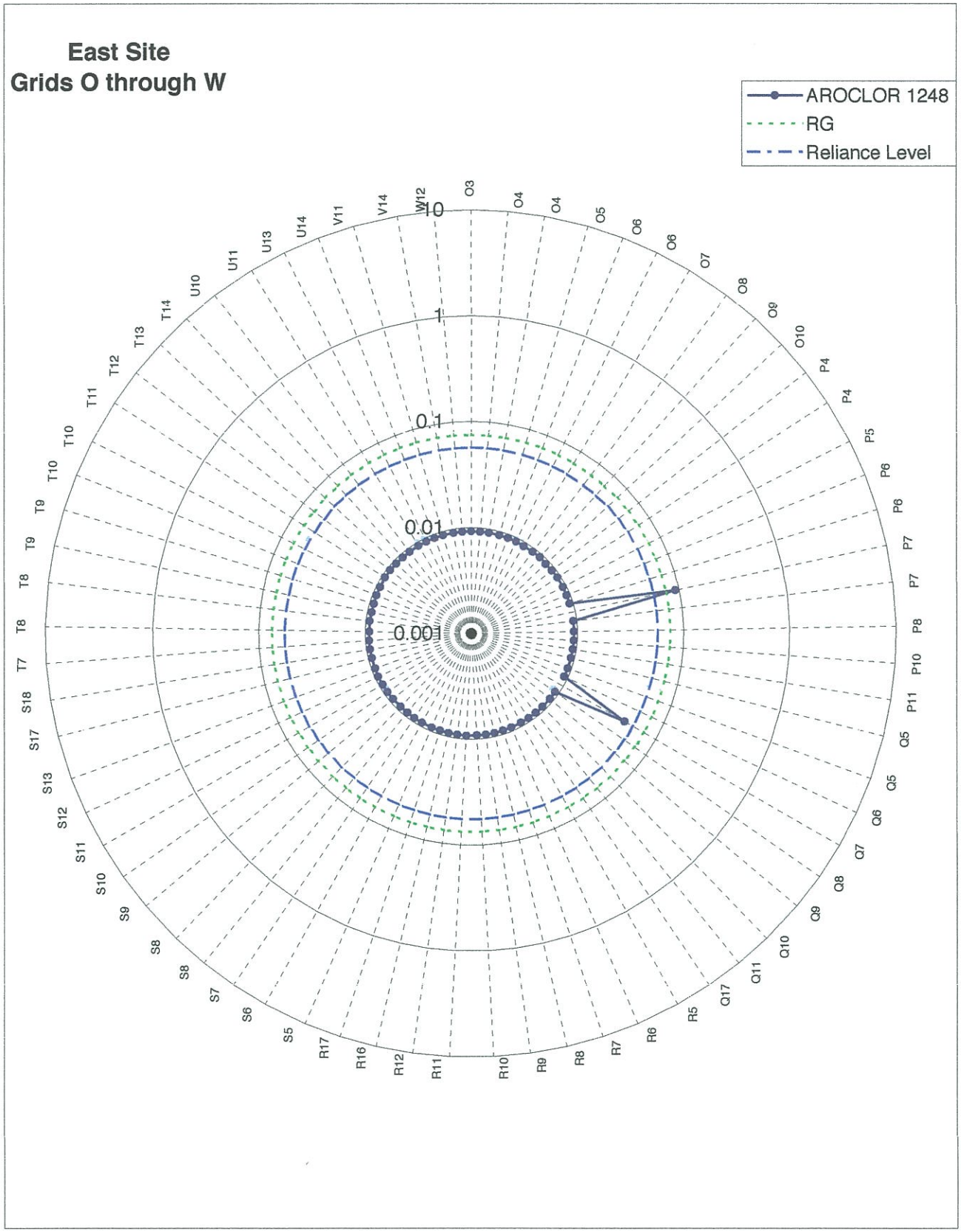

East Site
Grids A through N
AROCLOR 1242
RG
Reliance Level
10
1
0.1
0.01
0.001
A1
B1
C1
C1
D1
E1
E2
F1
F1
G1
G2
H1
H2
H3
I1
I1
I2
I2
I3
I4
J1
J2
J2
J3
J3
J3
J4
J4
J5
J5
J5
K1
K2
K3
K4
K5
K5
K7
L1
L2
L3
L4
L4
L5
L6
L6
L6
M1
M2
M3
M4
M5
M6
M6
M7
M8
M9
N2
N2
N3
N4
N5
N5
N6
N6
N7
N8
N9
N10


East Site
Grids O through W
AROCLOR 1242
RG
Reliance Level
10
1
0.1
0.01
0.001
O3
O4
O4
O5
O6
O6
O7
O8
O9
O10
P4
P4
P5
P6
P6
P7
P7
P8
P10
P11
Q5
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q17
R5
R6
R7
R8
R9
R10
R11
R12
R16
R17
S5
S6
S7
S8
S8
S9
S10
S11
S12
S13
S17
S18
T7
T8
T8
T9
T9
T10
T10
T11
T12
T13
T14
U10
U11
U13
U14
V11
V14
W12

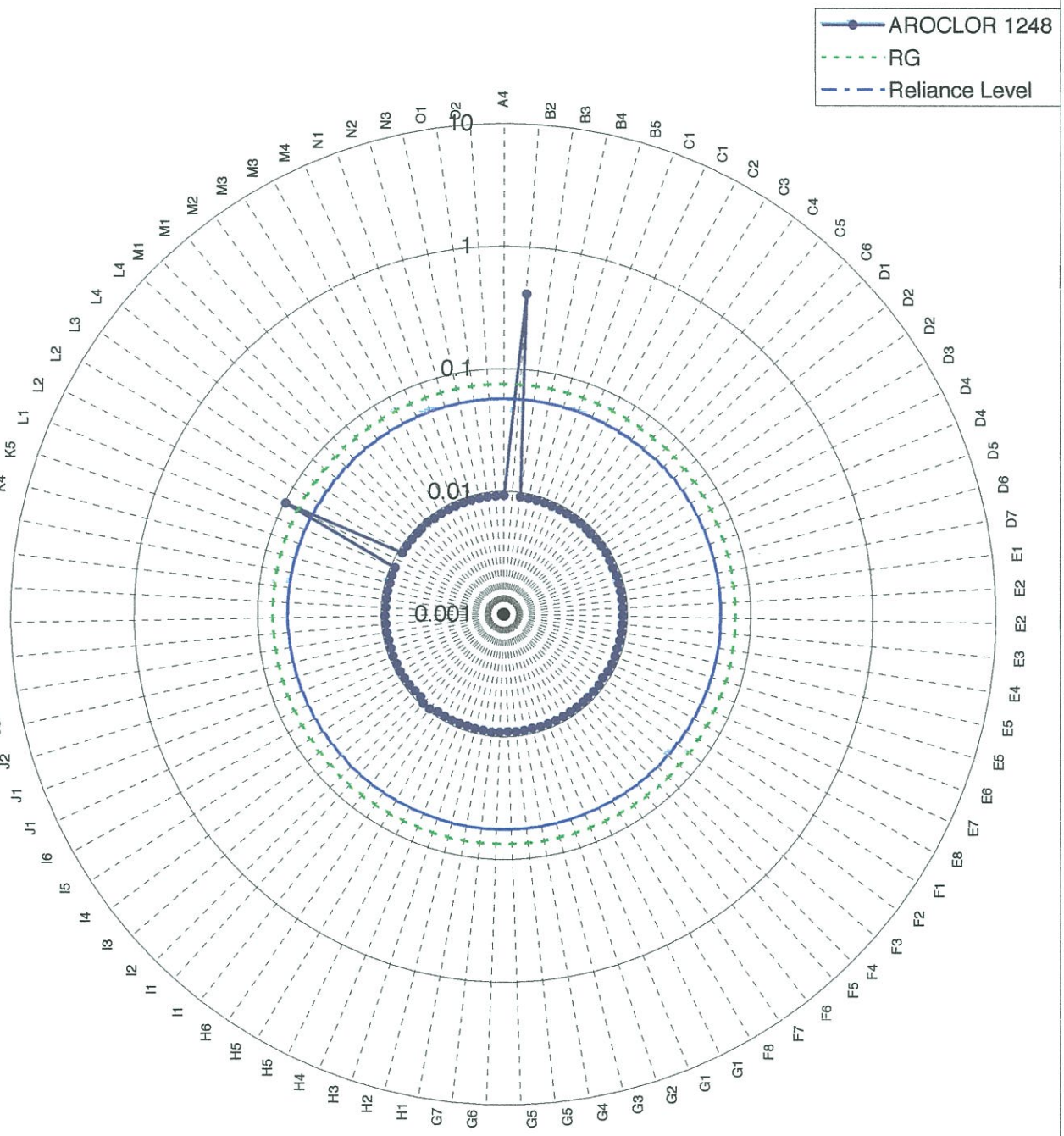
West Site


AROCLOR 1242
RG
Reliance Level
10
1
0.1
0.01
0.001
A4
B2
B3
B4
B5
C1
C1
C2
C3
C4
C5
C6
D1
D2
D2
D3
D4
D4
D5
D6
D7
E1
E2
E2
E3
E4
E5
E5
E6
E7
E8
F1
F2
F3
F4
F5
F6
F7
F8
G1
G1
G2
G3
G4
G5
G5
G6
G7
H1
H2
H3
H4
H5
H5
H6
I1
I1
I2
I3
I4
I5
I6
J1
J1
J2
J3
J4
J5
K1
K2
K3
K4
K4
K5
L1
L2
L2
L3
L4
L4
M1
M1
M2
M3
M3
M4
N1
N2
N3
O1
O2

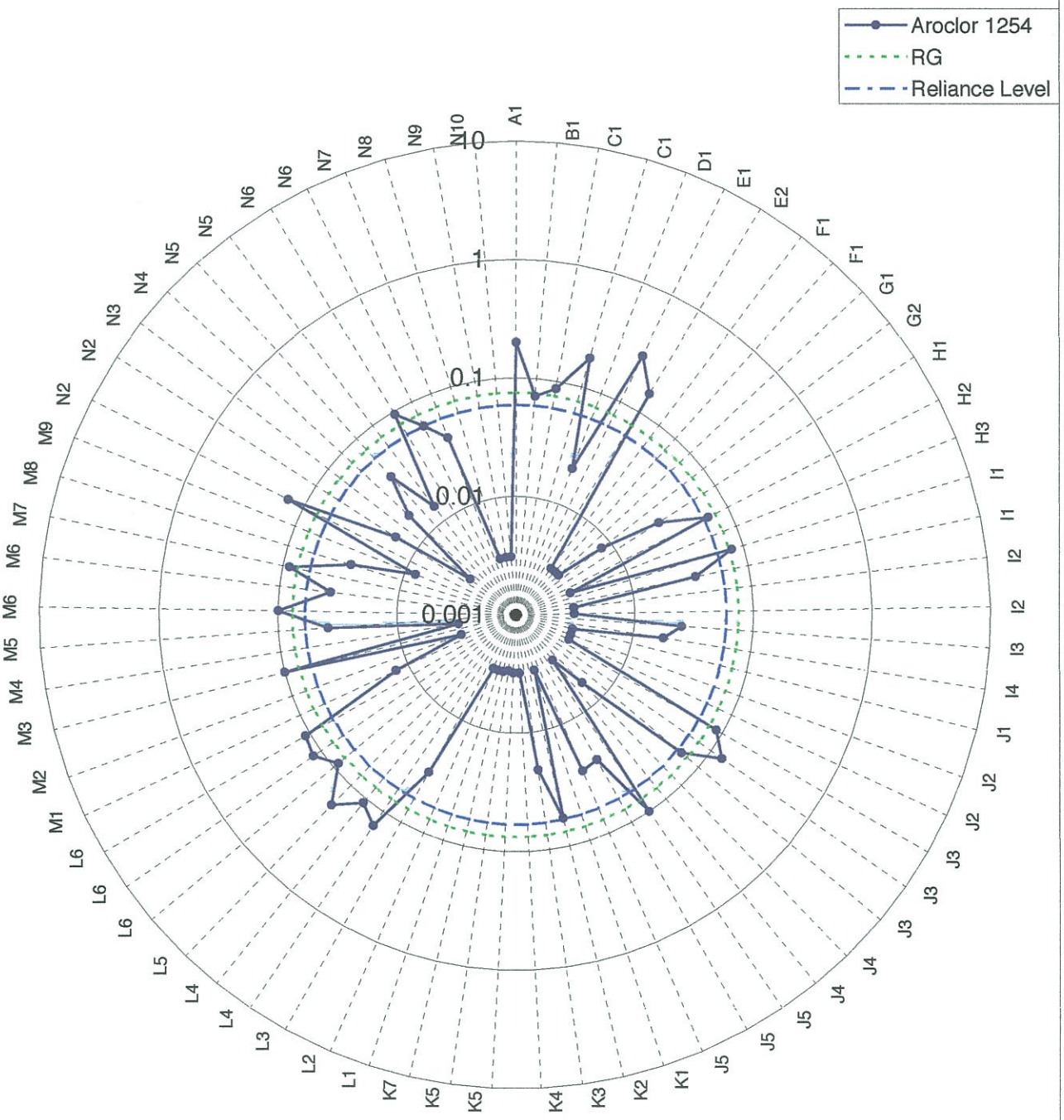

East Site
Grids A through N
AROCLOR 1248
RG
Reliance Level
10
1
0.1
0.01
0.001
A1
B1
C1
C1
D1
E1
E2
F1
F1
G1
G2
H1
H2
H3
I1
I1
I2
I2
I3
I4
J1
J2
J2
J3
J3
J3
J4
J4
J5
J5
J5
K1
K2
K3
K4
K5
K5
K7
L1
L2
L3
L4
L4
L5
L6
L6
L6
M1
M2
M3
M4
M5
M6
M6
M7
M8
M9
N2
N2
N3
N4
N5
N5
N6
N6
N7
N8
N9
N10

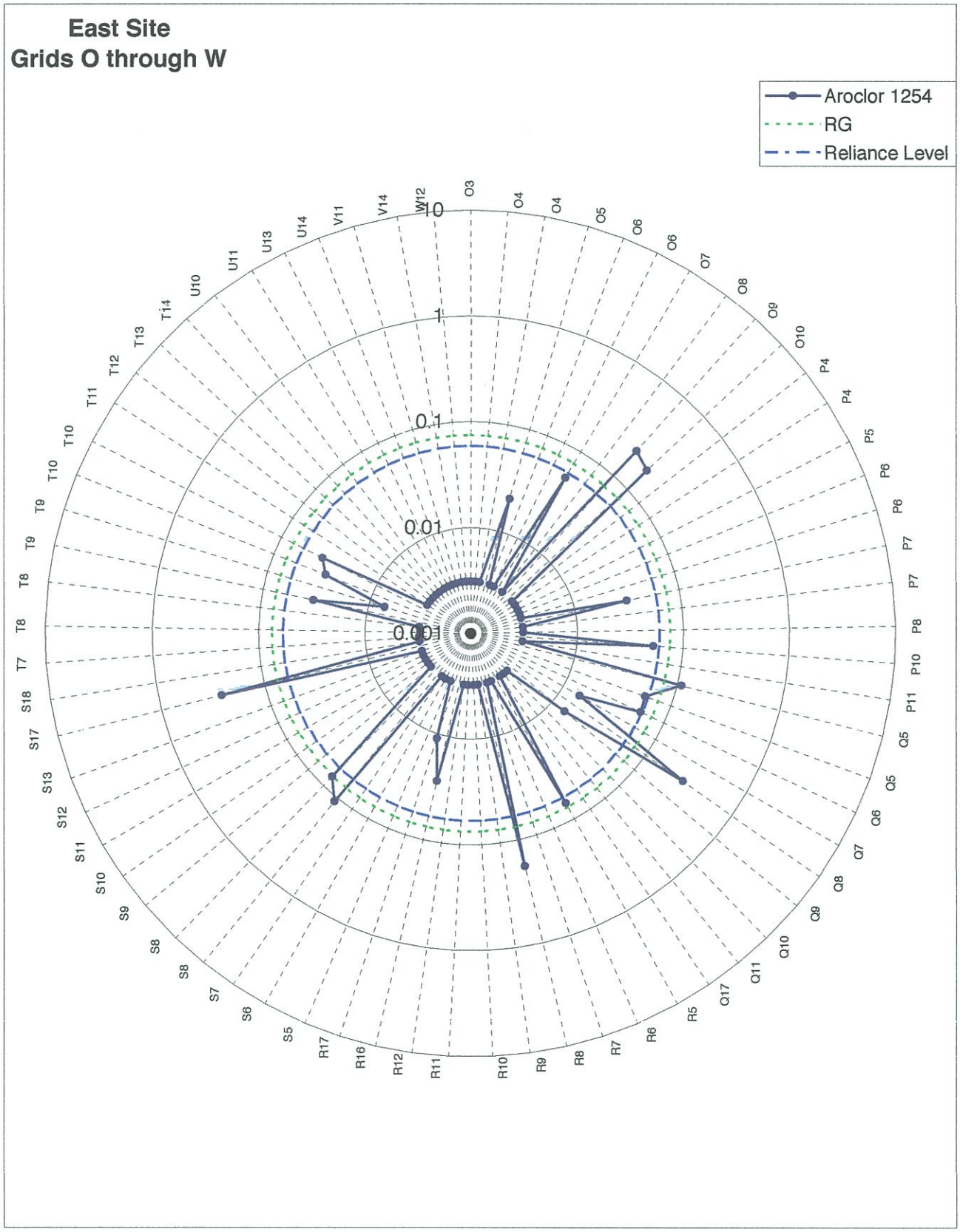

East Site
Grids O through W
AROCLOR 1248
RG
Reliance Level
10
1
0.1
0.01
0.001
O3
O4
O4
O5
O6
O6
O7
O8
O9
O10
P4
P4
P5
P6
P6
P7
P7
P8
P10
P11
Q5
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q17
R5
R6
R7
R8
R9
R10
R11
R12
R16
R17
S5
S6
S7
S8
S8
S9
S10
S11
S12
S13
S17
S18
T7
T8
T8
T9
T9
T10
T10
T11
T12
T13
T14
U10
U11
U13
U14
V11
V14
W12

West Site

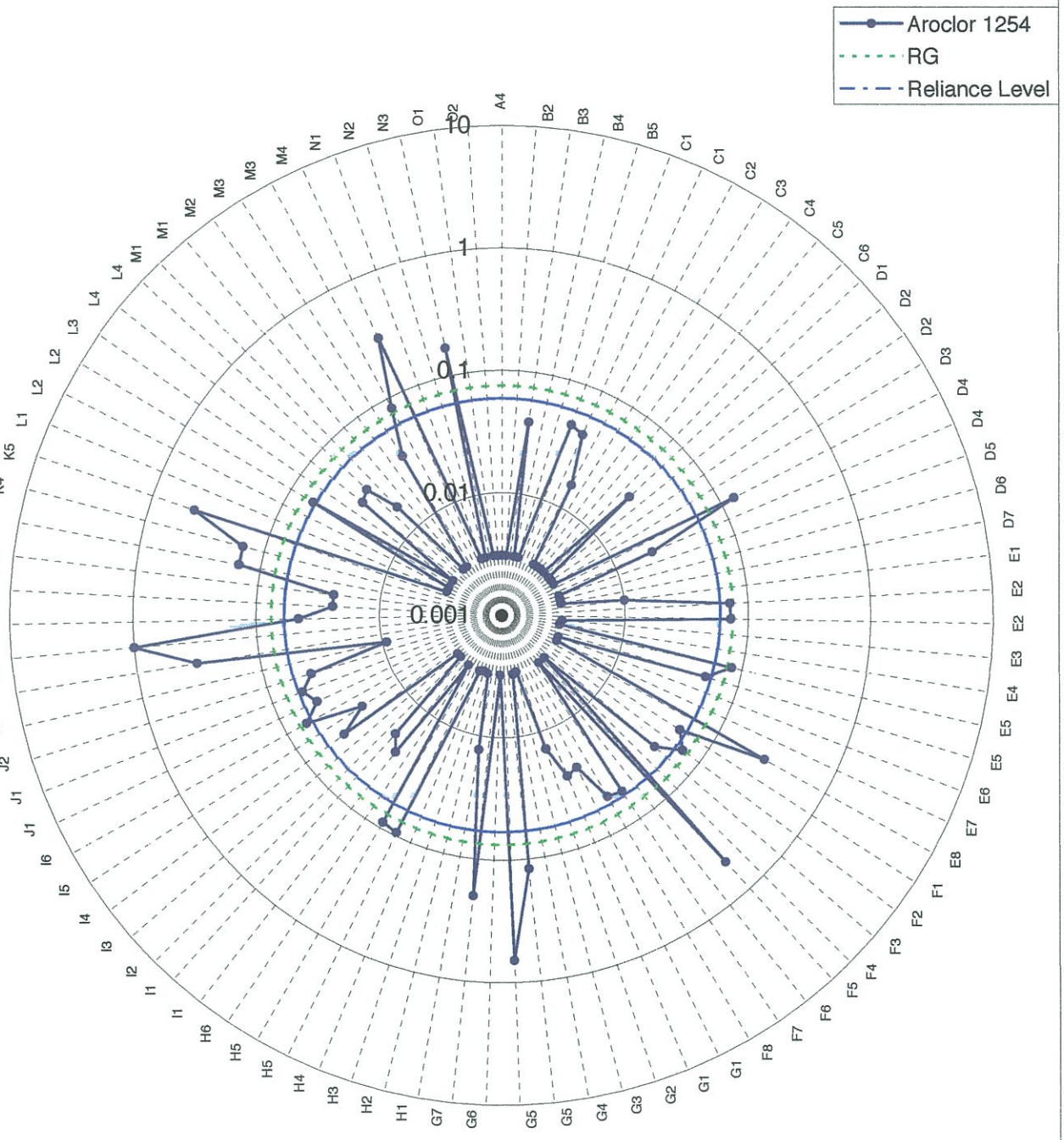

AROCLOR 1248
RG
Reliance Level
10
1
0.1
0.01
0.001
A4
B2
B3
B4
B5
C1
C1
C2
C3
C4
C5
C6
D1
D2
D2
D3
D4
D4
D5
D6
D7
E1
E2
E2
E3
E4
E5
E5
E6
E7
E8
F1
F2
F3
F4
F5
F6
F7
F8
G1
G1
G2
G3
G4
G5
G5
G6
G7
H1
H2
H3
H4
H5
H5
H6
I1
I1
I2
I3
I4
I5
I6
J1
J1
J2
J3
J4
J5
K1
K2
K3
K4
K4
K5
L1
L2
L2
L3
L4
L4
M1
M1
M2
M3
M3
M4
N1
N2
N3
O1
O2

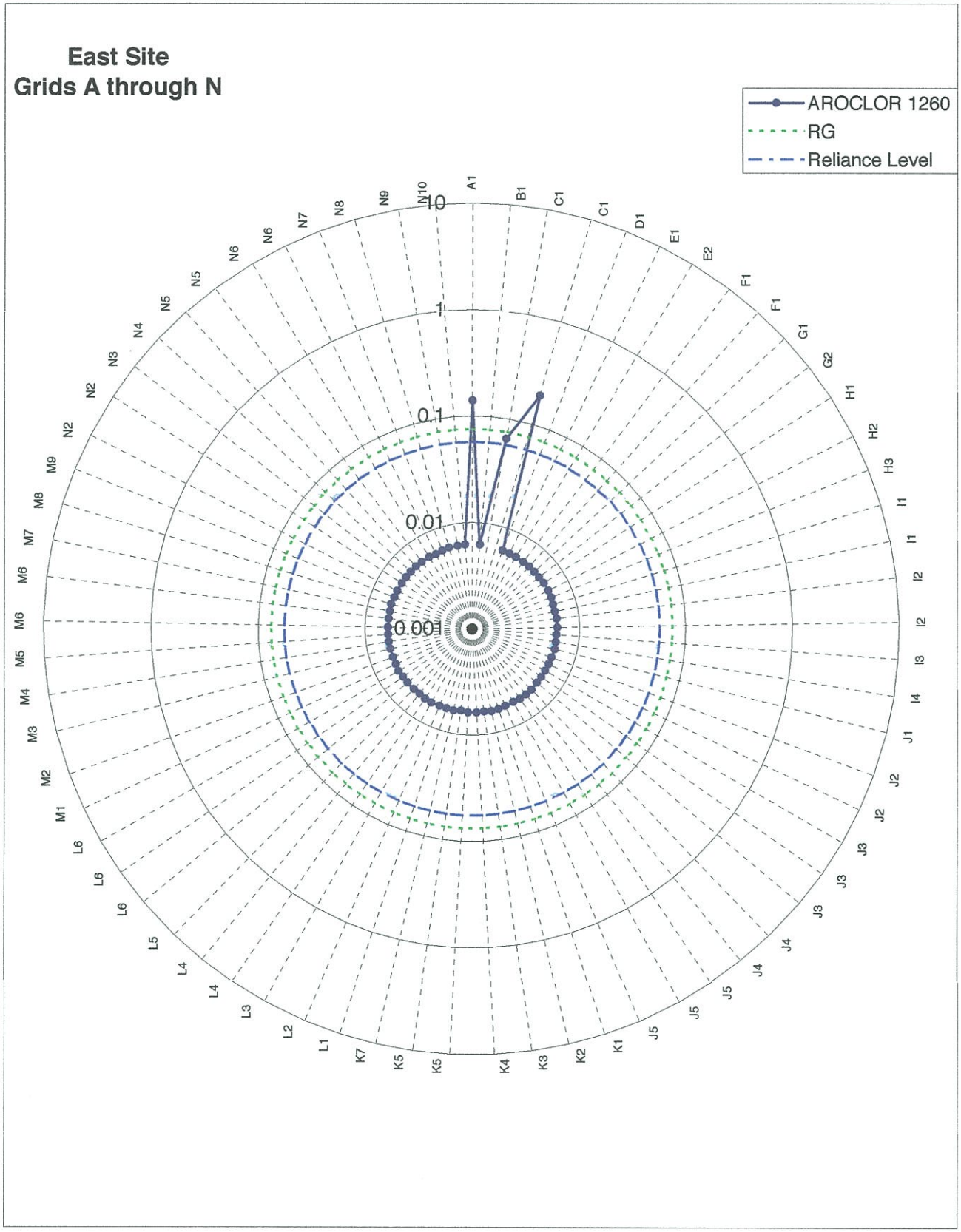
East Site
Grids A through N

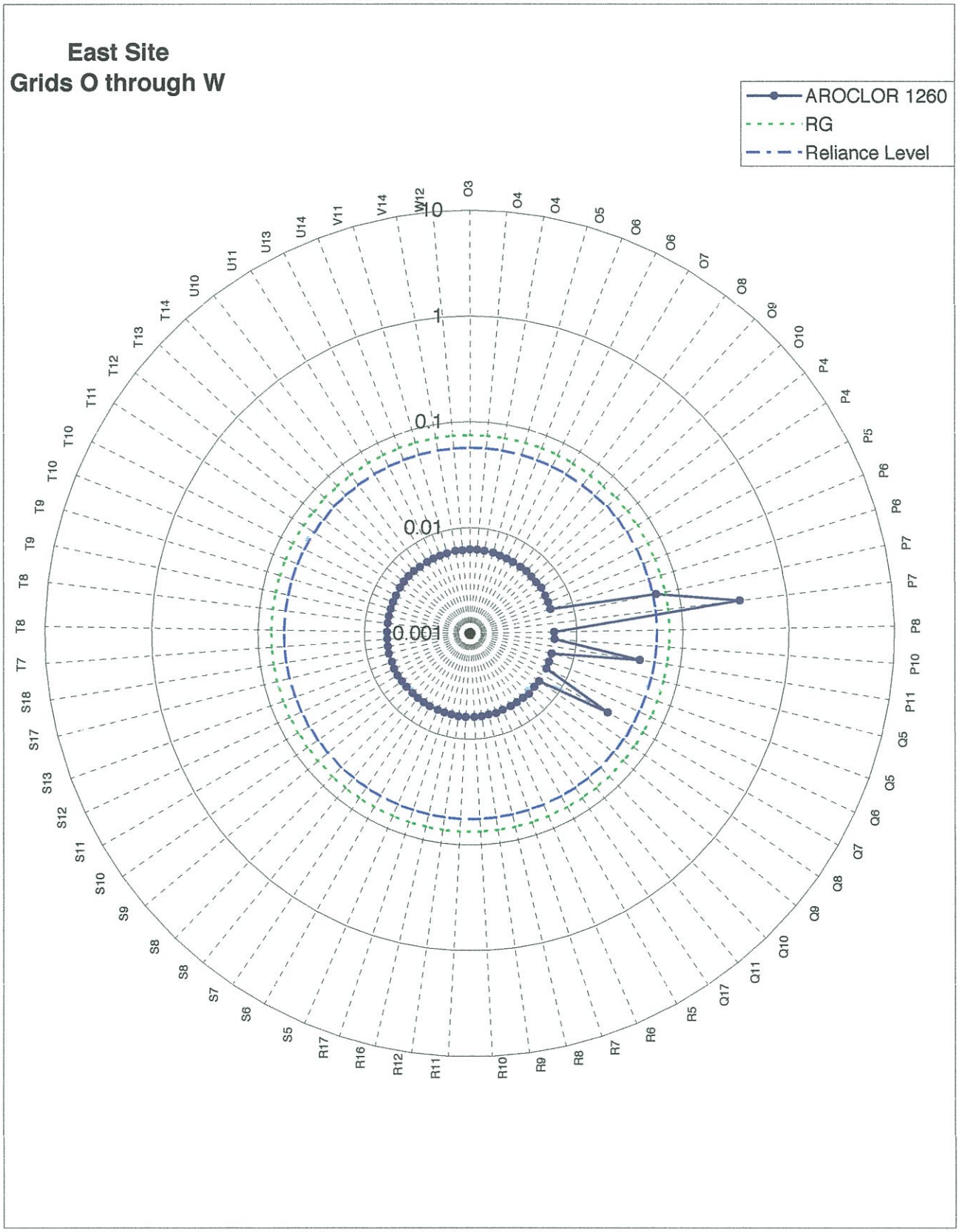



East Site
Grids O through W
Aroclor 1254
RG
Reliance Level
10
1
0.1
0.01
0.001
O3
O4
O4
O5
O6
O6
O7
O8
O9
O10
P4
P4
P5
P6
P6
P7
P7
P8
P10
P11
Q5
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q17
R5
R6
R7
R8
R9
R10
R11
R12
R16
R17
S5
S6
S7
S8
S8
S9
S10
S11
S12
S13
S17
S18
T7
T8
T8
T9
T9
T10
T10
T11
T12
T13
T14
U10
U11
U13
U14
V11
V14
W12

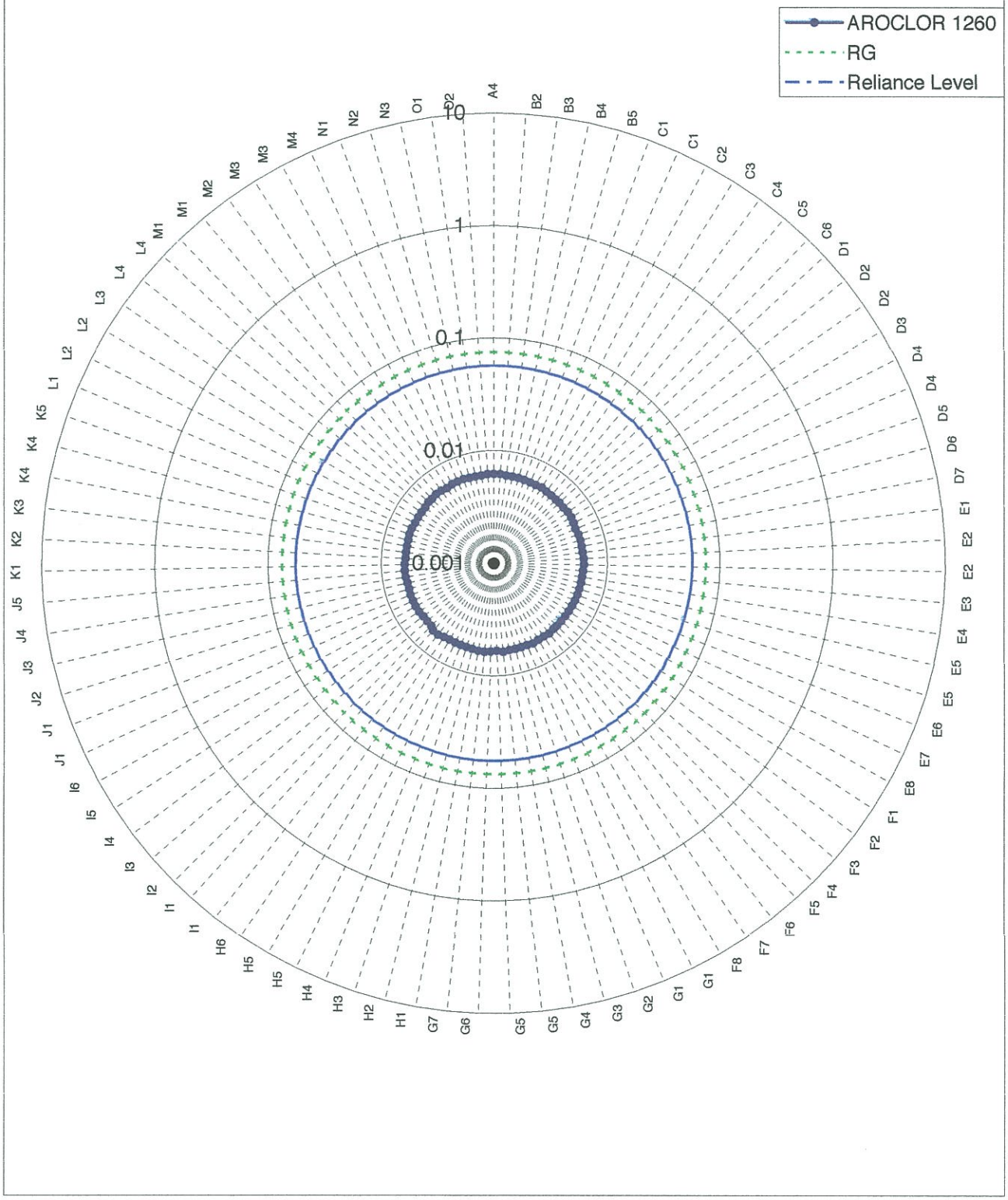
West Site


Aroclor 1254
RG
Reliance Level
10
1
0.1
0.01
0.001
A4
B2
B3
B4
B5
C1
C1
C2
C3
C4
C5
C6
D1
D2
D2
D3
D4
D4
D5
D6
D7
E1
E2
E2
E3
E4
E5
E5
E6
E7
E8
F1
F2
F3
F4
F5
F6
F7
F8
G1
G1
G2
G3
G4
G5
G5
G6
G7
H1
H2
H3
H4
H5
H5
H6
I1
I1
I2
I3
I4
I5
I6
J1
J1
J2
J3
J4
J5
K1
K2
K3
K4
K4
K5
L1
L2
L2
L3
L4
L4
M1
M1
M2
M3
M3
M4
N1
N2
N3
O1
O2


East Site
Grids A through N
AROCLOR 1260
RG
Reliance Level
10
1
0.1
0.01
0.001
A1
B1
C1
C1
D1
E1
E2
F1
F1
G1
G2
H1
H2
H3
I1
I1
I2
I2
I3
I4
J1
J2
J2
J3
J3
J3
J4
J4
J5
J5
J5
K1
K2
K3
K4
K5
K5
K7
L1
L2
L3
L4
L4
L5
L6
L6
L6
M1
M2
M3
M4
M5
M6
M6
M7
M8
M9
N2
N2
N3
N4
N5
N5
N6
N6
N7
N8
N9
N10


East Site
Grids O through W
AROCLOR 1260
RG
Reliance Level
10
1
0.1
0.01
0.001
O3
O4
O4
O5
O6
O6
O7
O8
O9
O10
P4
P4
P5
P6
P6
P7
P7
P8
P10
P11
Q5
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q17
R5
R6
R7
R8
R9
R10
R11
R12
R16
R17
S5
S6
S7
S8
S8
S9
S10
S11
S12
S13
S17
S18
T7
T8
T8
T9
T9
T10
T10
T11
T12
T13
T14
U10
U11
U13
U14
V11
V14
W12

West Site


AROCLOR 1260
RG
Reliance Level
10
1
0.1
0.01
0.001
A4
B2
B3
B4
B5
C1
C1
C2
C3
C4
C5
C6
D1
D2
D2
D3
D4
D4
D5
D6
D7
E1
E2
E2
E3
E4
E5
E5
E6
E7
E8
F1
F2
F3
F4
F5
F6
F7
F8
G1
G1
G2
G3
G4
G5
G5
G6
G7
H1
H2
H3
H4
H5
H5
H6
I1
I1
I2
I3
I4
I5
I6
J1
J1
J2
J3
J4
J5
K1
K2
K3
K4
K4
K5
L1
L2
L2
L3
L4
L4
M1
M1
M2
M3
M3
M4
N1
N2
N3
O1
O2

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East	A1	ES-A01-080623	AROCLOR 1254	0.20000	07/09/08	51067	Y	ES-A01-080623
East	A1	ES-A01-080623	AROCLOR 1242	0.01000	07/09/08	51067	N	ES-A01-080623
East	A1	ES-A01-080623	AROCLOR 1232	0.01400	07/09/08	51067	N	ES-A01-080623
East	A1	ES-A01-080623	AROCLOR 1260	0.14000	07/09/08	51067	Y	ES-A01-080623
East	A1	ES-A01-080623	AROCLOR 1248	0.00930	07/09/08	51067	N	ES-A01-080623
East	B1	ES-B01-080623	AROCLOR 1248	0.00920	07/09/08	51067	N	ES-B01-080623
East	B1	ES-B01-080623	AROCLOR 1242	0.01000	07/09/08	51067	N	ES-B01-080623
East	B1	ES-B01-080623	AROCLOR 1260	0.00620	07/09/08	51067	N	ES-B01-080623
East	B1	ES-B01-080623	AROCLOR 1254	0.07100	07/09/08	51067	Y	ES-B01-080623
East	B1	ES-B01-080623	AROCLOR 1232	0.01400	07/09/08	51067	N	ES-B01-080623
East	C1	ES-C01-080624	AROCLOR 1242	0.01000	07/10/08	51068	N	ES-C01-080624
East	C1	ES-C01-080624	AROCLOR 1232	0.01400	07/10/08	51068	N	ES-C01-080624
East	C1	ES-C01-080624	AROCLOR 1254	0.08700	07/10/08	51068	Y	ES-C01-080624
East	C1	ES-C01-080624	AROCLOR 1260	0.06500	07/10/08	51068	Y	ES-C01-080624
East	C1	ES-C01-080624	AROCLOR 1248	0.00920	07/10/08	51068	N	ES-C01-080624
East	C1	ES-C01-081113	AROCLOR 1260	0.19000	11/25/08	54431	N	ES-C01-081113
East	C1	ES-C01-081113	AROCLOR 1242	0.01000	11/25/08	54431	N	ES-C01-081113
East	C1	ES-C01-081113	AROCLOR 1248	0.00910	11/25/08	54431	N	ES-C01-081113
East	C1	ES-C01-081113	AROCLOR 1232	0.01400	11/25/08	54431	N	ES-C01-081113
East	C1	ES-C01-081113	AROCLOR 1254	0.18000	11/26/08	54431	Y	ES-C01-081113
East	D1	ES-D01-080624	AROCLOR 1260	0.00610	07/10/08	51067	N	ES-D01-080624
East	D1	ES-D01-080624	AROCLOR 1254	0.02100	07/10/08	51067	Y	ES-D01-080624
East	D1	ES-D01-080624	AROCLOR 1248	0.00920	07/10/08	51067	N	ES-D01-080624
East	D1	ES-D01-080624	AROCLOR 1242	0.01000	07/10/08	51067	N	ES-D01-080624
East	D1	ES-D01-080624	AROCLOR 1232	0.01400	07/10/08	51067	N	ES-D01-080624
East	E1	ES-E01-080528	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-E01-080528
East	E1	ES-E01-080528	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-E01-080528
East	E1	ES-E01-080528	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-E01-080528
East	E1	ES-E01-080528	AROCLOR 1254	0.27000	06/05/08	50293	Y	ES-E01-080528
East	E1	ES-E01-080528	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-E01-080528
East	E2	ES-E02-080611	AROCLOR 1242	0.01000	07/09/08	50838	N	ES-E02-080611
East	E2	ES-E02-080611	AROCLOR 1260	0.00610	07/09/08	50838	N	ES-E02-080611
East	E2	ES-E02-080611	AROCLOR 1254	0.15000	07/09/08	50838	Y	ES-E02-080611
East	E2	ES-E02-080611	AROCLOR 1232	0.01400	07/09/08	50838	N	ES-E02-080611
East	E2	ES-E02-080611	AROCLOR 1248	0.00920	07/09/08	50838	N	ES-E02-080611
East	F1	ES-F01-080529	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-F01-080529
East	F1	ES-F01-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-F01-080529
East	F1	ES-F01-080529	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-F01-080529
East	F1	ES-F01-080529	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-F01-080529
East	F1	ES-F01-080529	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-F01-080529
East	F1	ES-F01-080529	AROCLOR 1254	0.00310	07/09/08	50949	N	DUP-17
East	F1	ES-F01-080529	AROCLOR 1260	0.00610	07/09/08	50949	N	DUP-17
East	F1	ES-F01-080529	AROCLOR 1232	0.01400	07/09/08	50949	N	DUP-17
East	F1	ES-F01-080529	AROCLOR 1248	0.00920	07/09/08	50949	N	DUP-17
East	F1	ES-F01-080529	AROCLOR 1242	0.01000	07/09/08	50949	N	DUP-17
East	G1	ES-G01-080529	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-G01-080529

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	G1	ES-G01-080529	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-G01-080529
East	G1	ES-G01-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-G01-080529
East	G1	ES-G01-080529	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-G01-080529
East	G1	ES-G01-080529	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-G01-080529
East	G2	ES-G02-080605	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-G02-080605
East	G2	ES-G02-080605	AROCLOR 1254	0.00820	06/26/08	50603	Y	ES-G02-080605
East	G2	ES-G02-080605	AROCLOR 1260	0.00610	06/26/08	50603	N	ES-G02-080605
East	G2	ES-G02-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-G02-080605
East	G2	ES-G02-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-G02-080605
East	!	ES-H01-080528	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-H01-080528
East	!	ES-H01-080528	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-H01-080528
East	!	ES-H01-080528	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-H01-080528
East	!	ES-H01-080528	AROCLOR 1254	0.02700	06/05/08	50293	Y	ES-H01-080528
East	!	ES-H01-080528	AROCLOR 1260	0.00620	06/05/08	50293	N	ES-H01-080528
East	H2	ES-H02-080515	AROCLOR 1254	0.06500	06/03/08	50226	Y	ES-H02-080515
East	H2	ES-H02-080515	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-H02-080515
East	H2	ES-H02-080515	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-H02-080515
East	H2	ES-H02-080515	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-H02-080515
East	H2	ES-H02-080515	AROCLOR 1260	0.00620	06/03/08	50226	N	ES-H02-080515
East	H3	ES-H03-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-H03-080605
East	H3	ES-H03-080605	AROCLOR 1254	0.00310	06/26/08	50603	N	ES-H03-080605
East	H3	ES-H03-080605	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-H03-080605
East	H3	ES-H03-080605	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-H03-080605
East	H3	ES-H03-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-H03-080605
East	I1	ES-I01-080529	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-I01-080529
East	I1	ES-I01-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-I01-080529
East	I1	ES-I01-080529	AROCLOR 1254	0.07900	06/13/08	50461	Y	ES-I01-080529
East	I1	ES-I01-080529	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-I01-080529
East	I1	ES-I01-080529	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-I01-080529
East	I1	ES-I01-081114	AROCLOR 1242	0.01000	11/25/08	54431	N	ES-I01-081114
East	I1	ES-I01-081114	AROCLOR 1248	0.00920	11/25/08	54431	N	ES-I01-081114
East	I1	ES-I01-081114	AROCLOR 1232	0.01400	11/25/08	54431	N	ES-I01-081114
East	I1	ES-I01-081114	AROCLOR 1260	0.00610	11/25/08	54431	N	ES-I01-081114
East	I1	ES-I01-081114	AROCLOR 1254	0.03500	11/26/08	54431	Y	ES-I01-081114
East	I2	ES-I02-080514	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-I02-080514
East	I2	ES-I02-080514	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-I02-080514
East	I2	ES-I02-080514	AROCLOR 1254	0.00310	06/03/08	50226	N	ES-I02-080514
East	I2	ES-I02-080514	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-I02-080514
East	I2	ES-I02-080514	AROCLOR 1260	0.00620	06/03/08	50226	N	ES-I02-080514
East	I2	ES-I02-080514	AROCLOR 1242	0.01000	07/24/08	51426	N	ES-I02-080514
East	I2	ES-I02-080514	AROCLOR 1248	0.00920	07/24/08	51426	N	ES-I02-080514
East	I2	ES-I02-080514	AROCLOR 1232	0.01400	07/24/08	51426	N	ES-I02-080514
East	I2	ES-I02-080514	AROCLOR 1254	0.00310	07/24/08	51426	N	ES-I02-080514
East	I2	ES-I02-080514	AROCLOR 1260	0.00620	07/24/08	51426	N	ES-I02-080514
East	I3	ES-I03-080513	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-I03-080513
East	I3	ES-I03-080513	AROCLOR 1254	0.02500	06/03/08	50226	Y	ES-I03-080513

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	I3	ES-I03-080513	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-I03-080513
East	I3	ES-I03-080513	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-I03-080513
East	I3	ES-I03-080513	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-I03-080513
East	I4	ES-I04-080602	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-I04-080602
East	I4	ES-I04-080602	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-I04-080602
East	I4	ES-I04-080602	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-I04-080602
East	I4	ES-I04-080602	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-I04-080602
East	I4	ES-I04-080602	AROCLOR 1254	0.01800	06/13/08	50461	Y	ES-I04-080602
East	J1	ES-J01-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-J01-080529
East	J1	ES-J01-080529	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-J01-080529
East	J1	ES-J01-080529	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-J01-080529
East	J1	ES-J01-080529	AROCLOR 1248	0.00930	06/13/08	50461	N	ES-J01-080529
East	J1	ES-J01-080529	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-J01-080529
East	J2	ES-J02-080527	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-J02-080527
East	J2	ES-J02-080527	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-J02-080527
East	J2	ES-J02-080527	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-J02-080527
East	J2	ES-J02-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-J02-080527
East	J2	ES-J02-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-J02-080527
East	J2	ES-J02-080527	AROCLOR 1254	0.00310	06/27/08	50837	N	DUP-15
East	J2	ES-J02-080527	AROCLOR 1242	0.01000	06/27/08	50837	N	DUP-15
East	J2	ES-J02-080527	AROCLOR 1260	0.00610	06/27/08	50837	N	DUP-15
East	J2	ES-J02-080527	AROCLOR 1248	0.00920	06/27/08	50837	N	DUP-15
East	J2	ES-J02-080527	AROCLOR 1232	0.01400	06/27/08	50837	N	DUP-15
East	J3	ES-J03-080513	AROCLOR 1254	0.08800	06/03/08	50226	Y	ES-J03-080513
East	J3	ES-J03-080513	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-J03-080513
East	J3	ES-J03-080513	AROCLOR 1248	0.00910	06/03/08	50226	N	ES-J03-080513
East	J3	ES-J03-080513	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-J03-080513
East	J3	ES-J03-080513	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-J03-080513
East	J3	ES-J03-080513	AROCLOR 1260	0.00610	06/26/08	50603	N	DUP-11
East	J3	ES-J03-080513	AROCLOR 1254	0.13000	06/26/08	50603	Y	DUP-11
East	J3	ES-J03-080513	AROCLOR 1242	0.01000	06/26/08	50603	N	DUP-11
East	J3	ES-J03-080513	AROCLOR 1232	0.01400	06/26/08	50603	N	DUP-11
East	J3	ES-J03-080513	AROCLOR 1248	0.00920	06/26/08	50603	N	DUP-11
East	J3	ES-J03-081111	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-J03-081111
East	J3	ES-J03-081111	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-J03-081111
East	J3	ES-J03-081111	AROCLOR 1248	0.00920	11/25/08	54430	N	ES-J03-081111
East	J3	ES-J03-081111	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-J03-081111
East	J3	ES-J03-081111	AROCLOR 1254	0.06500	11/26/08	54430	Y	ES-J03-081111
East	J4	ES-J04-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-J04-080530
East	J4	ES-J04-080530	AROCLOR 1254	0.00620	06/13/08	50461	Y	ES-J04-080530
East	J4	ES-J04-080530	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-J04-080530
East	J4	ES-J04-080530	AROCLOR 1248	0.00930	06/13/08	50461	N	ES-J04-080530
East	J4	ES-J04-080530	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-J04-080530
East	J4	ES-J04-080530	AROCLOR 1242	0.01000	07/09/08	51067	N	DUP-18
East	J4	ES-J04-080530	AROCLOR 1260	0.00620	07/09/08	51067	N	DUP-18
East	J4	ES-J04-080530	AROCLOR 1254	0.00310	07/09/08	51067	N	DUP-18

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East	J4	ES-J04-080530	AROCLOR 1232	0.01400	07/09/08	51067	N	DUP-18
East	J4	ES-J04-080530	AROCLOR 1248	0.00920	07/09/08	51067	N	DUP-18
East	J5	ES-J05-080602	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-J05-080602
East	J5	ES-J05-080602	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-J05-080602
East	J5	ES-J05-080602	AROCLOR 1254	0.10000	06/13/08	50461	Y	ES-J05-080602
East	J5	ES-J05-080602	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-J05-080602
East	J5	ES-J05-080602	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-J05-080602
East	J5	ES-J05-081113	AROCLOR 1260	0.00610	11/25/08	54431	N	ES-J05-081113
East	J5	ES-J05-081113	AROCLOR 1242	0.01000	11/25/08	54431	N	ES-J05-081113
East	J5	ES-J05-081113	AROCLOR 1248	0.00910	11/25/08	54431	N	ES-J05-081113
East	J5	ES-J05-081113	AROCLOR 1232	0.01400	11/25/08	54431	N	ES-J05-081113
East	J5	ES-J05-081113	AROCLOR 1254	0.02500	11/26/08	54431	Y	ES-J05-081113
East	J5	ES-J05-081113	AROCLOR 1260	0.00610	12/11/08	54787	N	DUP 23
East	J5	ES-J05-081113	AROCLOR 1242	0.01000	12/11/08	54787	N	DUP 23
East	J5	ES-J05-081113	AROCLOR 1232	0.01400	12/11/08	54787	N	DUP 23
East	J5	ES-J05-081113	AROCLOR 1248	0.09100	12/11/08	54787	Y	DUP 23
East	J5	ES-J05-081113	AROCLOR 1254	0.02700	12/11/08	54787	Y	DUP 23
East	K1	ES-K01-080602	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-K01-080602
East	K1	ES-K01-080602	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-K01-080602
East	K1	ES-K01-080602	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-K01-080602
East	K1	ES-K01-080602	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-K01-080602
East	K1	ES-K01-080602	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-K01-080602
East	K2	ES-K02-080602	AROCLOR 1254	0.05800	06/26/08	50603	Y	ES-K02-080602
East	K2	ES-K02-080602	AROCLOR 1242	0.07900	06/26/08	50603	Y	ES-K02-080602
East	K2	ES-K02-080602	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-K02-080602
East	K2	ES-K02-080602	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-K02-080602
East	K2	ES-K02-080602	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-K02-080602
East	K3	ES-K03-080514	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-K03-080514
East	K3	ES-K03-080514	AROCLOR 1254	0.02100	06/03/08	50226	Y	ES-K03-080514
East	K3	ES-K03-080514	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-K03-080514
East	K3	ES-K03-080514	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-K03-080514
East	K3	ES-K03-080514	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-K03-080514
East	K4	ES-K04-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-K04-080527
East	K4	ES-K04-080527	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-K04-080527
East	K4	ES-K04-080527	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-K04-080527
East	K4	ES-K04-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-K04-080527
East	K4	ES-K04-080527	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-K04-080527
East	K5	ES-K05-080605	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-K05-080605
East	K5	ES-K05-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-K05-080605
East	K5	ES-K05-080605	AROCLOR 1254	0.00310	06/26/08	50603	N	ES-K05-080605
East	K5	ES-K05-080605	AROCLOR 1260	0.00610	06/26/08	50603	N	ES-K05-080605
East	K5	ES-K05-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-K05-080605
East	K5	ES-K05-080605	AROCLOR 1242	0.01000	07/10/08	51067	N	DUP-19
East	K5	ES-K05-080605	AROCLOR 1260	0.00600	07/10/08	51067	N	DUP-19
East	K5	ES-K05-080605	AROCLOR 1254	0.00300	07/10/08	51067	N	DUP-19
East	K5	ES-K05-080605	AROCLOR 1232	0.01400	07/10/08	51067	N	DUP-19

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East	K5	ES-K05-080605	AROCLOR 1248	0.00900	07/10/08	51067	N	DUP-19
East	K7	ES-K07-080611	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-K07-080611
East	K7	ES-K07-080611	AROCLOR 1254	0.00310	06/27/08	50838	N	ES-K07-080611
East	K7	ES-K07-080611	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-K07-080611
East	K7	ES-K07-080611	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-K07-080611
East	K7	ES-K07-080611	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-K07-080611
East	L1	ES-L01-080625	AROCLOR 1242	0.01000	07/10/08	51068	N	ES-L01-080625
East	L1	ES-L01-080625	AROCLOR 1260	0.00610	07/10/08	51068	N	ES-L01-080625
East	L1	ES-L01-080625	AROCLOR 1254	0.00310	07/10/08	51068	N	ES-L01-080625
East	L1	ES-L01-080625	AROCLOR 1248	0.00920	07/10/08	51068	N	ES-L01-080625
East	L1	ES-L01-080625	AROCLOR 1232	0.01400	07/10/08	51068	N	ES-L01-080625
East	L2	ES-L02-080625	AROCLOR 1242	0.05500	07/10/08	51068	Y	ES-L02-080625
East	L2	ES-L02-080625	AROCLOR 1248	0.00920	07/10/08	51068	N	ES-L02-080625
East	L2	ES-L02-080625	AROCLOR 1232	0.01400	07/10/08	51068	N	ES-L02-080625
East	L2	ES-L02-080625	AROCLOR 1254	0.00310	07/10/08	51068	N	ES-L02-080625
East	L2	ES-L02-080625	AROCLOR 1260	0.00610	07/10/08	51068	N	ES-L02-080625
East	L3	ES-L03-080604	AROCLOR 1254	0.03300	06/26/08	50603	Y	ES-L03-080604
East	L3	ES-L03-080604	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-L03-080604
East	L3	ES-L03-080604	AROCLOR 1242	0.03500	06/26/08	50603	Y	ES-L03-080604
East	L3	ES-L03-080604	AROCLOR 1248	0.00930	06/26/08	50603	N	ES-L03-080604
East	L3	ES-L03-080604	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-L03-080604
East	L4	ES-L04-080604	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-L04-080604
East	L4	ES-L04-080604	AROCLOR 1254	0.14000	06/26/08	50603	Y	ES-L04-080604
East	L4	ES-L04-080604	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-L04-080604
East	L4	ES-L04-080604	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-L04-080604
East	L4	ES-L04-080604	AROCLOR 1242	0.04700	06/26/08	50603	Y	ES-L04-080604
East	L4	ES-L04-090319	AROCLOR 1232	0.01400	04/06/09	56714	N	ES-L04-090319
East	L4	ES-L04-090319	AROCLOR 1248	0.00910	04/06/09	56714	N	ES-L04-090319
East	L4	ES-L04-090319	AROCLOR 1242	0.01000	04/06/09	56714	N	ES-L04-090319
East	L4	ES-L04-090319	AROCLOR 1254	0.11000	04/06/09	56714	Y	ES-L04-090319
East	L4	ES-L04-090319	AROCLOR 1260	0.00610	04/06/09	56714	N	ES-L04-090319
East	L5	ES-L05-080620	AROCLOR 1248	0.00920	07/09/08	51053	N	ES-L05-080620
East	L5	ES-L05-080620	AROCLOR 1260	0.00610	07/09/08	51053	N	ES-L05-080620
East	L5	ES-L05-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	ES-L05-080620
East	L5	ES-L05-080620	AROCLOR 1254	0.17000	07/09/08	51053	Y	ES-L05-080620
East	L5	ES-L05-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	ES-L05-080620
East	L6	ES-L06-080605	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-L06-080605
East	L6	ES-L06-080605	AROCLOR 1254	0.08900	06/27/08	50810	Y	ES-L06-080605
East	L6	ES-L06-080605	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-L06-080605
East	L6	ES-L06-080605	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-L06-080605
East	L6	ES-L06-080605	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-L06-080605
East	L6	ES-L06-081111	AROCLOR 1248	0.00920	11/25/08	54430	N	ES-L06-081111
East	L6	ES-L06-081111	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-L06-081111
East	L6	ES-L06-081111	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-L06-081111

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	L6	ES-L06-081111	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-L06-081111
East	L6	ES-L06-081111	AROCLOR 1254	0.12000	11/26/08	54430	Y	ES-L06-081111
East	L6	ES-L06-081111	AROCLOR 1242	0.01000	12/11/08	54787	N	DUP 21A
East	L6	ES-L06-081111	AROCLOR 1232	0.01400	12/11/08	54787	N	DUP 21A
East	L6	ES-L06-081111	AROCLOR 1248	0.00920	12/11/08	54787	N	DUP 21A
East	L6	ES-L06-081111	AROCLOR 1254	0.11000	12/11/08	54787	Y	DUP 21A
East	L6	ES-L06-081111	AROCLOR 1260	0.00620	12/11/08	54787	N	DUP 21A
East	M1	ES-M01-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-M01-080527
East	M1	ES-M01-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-M01-080527
East	M1	ES-M01-080527	AROCLOR 1254	0.01300	06/05/08	50261	Y	ES-M01-080527
East	M1	ES-M01-080527	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-M01-080527
East	M1	ES-M01-080527	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-M01-080527
East	M2	ES-M02-080519	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-M02-080519
East	M2	ES-M02-080519	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-M02-080519
East	M2	ES-M02-080519	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-M02-080519
East	M2	ES-M02-080519	AROCLOR 1242	0.01100	06/05/08	50293	Y	ES-M02-080519
East	M2	ES-M02-080519	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-M02-080519
East	M3	ES-M03-080519	AROCLOR 1242	0.30000	06/03/08	50226	Y	ES-M03-080519
East	M3	ES-M03-080519	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-M03-080519
East	M3	ES-M03-080519	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-M03-080519
East	M3	ES-M03-080519	AROCLOR 1254	0.10000	06/03/08	50226	Y	ES-M03-080519
East	M3	ES-M03-080519	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-M03-080519
East	M4	ES-M04-080515	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-M04-080515
East	M4	ES-M04-080515	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-M04-080515
East	M4	ES-M04-080515	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-M04-080515
East	M4	ES-M04-080515	AROCLOR 1254	0.00310	06/03/08	50226	N	ES-M04-080515
East	M4	ES-M04-080515	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-M04-080515
East	M5	ES-M05-080527	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-M05-080527
East	M5	ES-M05-080527	AROCLOR 1248	0.00910	06/05/08	50261	N	ES-M05-080527
East	M5	ES-M05-080527	AROCLOR 1254	0.03800	06/05/08	50261	Y	ES-M05-080527
East	M5	ES-M05-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-M05-080527
East	M5	ES-M05-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-M05-080527
East	M6	ES-M06-080520	AROCLOR 1254	0.09900	06/05/08	50293	Y	ES-M06-080520
East	M6	ES-M06-080520	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-M06-080520
East	M6	ES-M06-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-M06-080520
East	M6	ES-M06-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-M06-080520
East	M6	ES-M06-080520	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-M06-080520
East	M6	ES-M06-081111	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-M06-081111
East	M6	ES-M06-081111	AROCLOR 1248	0.00920	11/25/08	54430	N	ES-M06-081111
East	M6	ES-M06-081111	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-M06-081111
East	M6	ES-M06-081111	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-M06-081111
East	M6	ES-M06-081111	AROCLOR 1254	0.03700	11/26/08	54430	Y	ES-M06-081111
East	M7	ES-M07-080612	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-M07-080612
East	M7	ES-M07-080612	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-M07-080612

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	M7	ES-M07-080612	AROCLOR 1254	0.08800	06/27/08	50838	Y	ES-M07-080612
East	M7	ES-M07-080612	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-M07-080612
East	M7	ES-M07-080612	AROCLOR 1242	0.12000	06/27/08	50838	Y	ES-M07-080612
East	M8	ES-M08-080610	AROCLOR 1254	0.02800	06/27/08	50810	Y	ES-M08-080610
East	M8	ES-M08-080610	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-M08-080610
East	M8	ES-M08-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-M08-080610
East	M8	ES-M08-080610	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-M08-080610
East	M8	ES-M08-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-M08-080610
East	M9	ES-M09-080611	AROCLOR 1254	0.00820	06/27/08	50838	Y	ES-M09-080611
East	M9	ES-M09-080611	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-M09-080611
East	M9	ES-M09-080611	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-M09-080611
East	M9	ES-M09-080611	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-M09-080611
East	M9	ES-M09-080611	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-M09-080611
East	N2	ES-N02-080528	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-N02-080528
East	N2	ES-N02-080528	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-N02-080528
East	N2	ES-N02-080528	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-N02-080528
East	N2	ES-N02-080528	AROCLOR 1254	0.14000	06/05/08	50261	Y	ES-N02-080528
East	N2	ES-N02-080528	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-N02-080528
East	N2	ES-N02-090320	AROCLOR 1254	0.01600	04/06/09	56714	Y	ES-N02-090320
East	N2	ES-N02-090320	AROCLOR 1232	0.01400	04/06/09	56714	N	ES-N02-090320
East	N2	ES-N02-090320	AROCLOR 1248	0.00920	04/06/09	56714	N	ES-N02-090320
East	N2	ES-N02-090320	AROCLOR 1242	0.01000	04/06/09	56714	N	ES-N02-090320
East	N2	ES-N02-090320	AROCLOR 1260	0.00610	04/06/09	56714	N	ES-N02-090320
East	N3	ES-N03-080520	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-N03-080520
East	N3	ES-N03-080520	AROCLOR 1242	0.02000	06/05/08	50293	Y	ES-N03-080520
East	N3	ES-N03-080520	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-N03-080520
East	N3	ES-N03-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-N03-080520
East	N3	ES-N03-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-N03-080520
East	N4	ES-N04-080519	AROCLOR 1242	0.04600	06/03/08	50226	Y	ES-N04-080519
East	N4	ES-N04-080519	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-N04-080519
East	N4	ES-N04-080519	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-N04-080519
East	N4	ES-N04-080519	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-N04-080519
East	N4	ES-N04-080519	AROCLOR 1254	0.01700	06/03/08	50226	Y	ES-N04-080519
East	N5	ES-N05-080519	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-N05-080519
East	N5	ES-N05-080519	AROCLOR 1242	0.08200	06/03/08	50226	Y	ES-N05-080519
East	N5	ES-N05-080519	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-N05-080519
East	N5	ES-N05-080519	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-N05-080519
East	N5	ES-N05-080519	AROCLOR 1254	0.03700	06/03/08	50226	Y	ES-N05-080519
East	N5	ES-N05-081111	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-N05-081111
East	N5	ES-N05-081111	AROCLOR 1248	0.00920	11/25/08	54430	N	ES-N05-081111
East	N5	ES-N05-081111	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-N05-081111
East	N5	ES-N05-081111	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-N05-081111
East	N5	ES-N05-081111	AROCLOR 1254	0.01400	11/26/08	54430	Y	ES-N05-081111
East	N6	ES-N06-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-N06-080527

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East	N6	ES-N06-080527	AROCLOR 1254	0.09400	06/05/08	50261	Y	ES-N06-080527
East	N6	ES-N06-080527	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-N06-080527
East	N6	ES-N06-080527	AROCLOR 1242	0.04500	06/05/08	50261	Y	ES-N06-080527
East	N6	ES-N06-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-N06-080527
East	N6	ES-N06-081112	AROCLOR 1248	0.00910	11/25/08	54430	N	ES-N06-081112
East	N6	ES-N06-081112	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-N06-081112
East	N6	ES-N06-081112	AROCLOR 1260	0.00600	11/25/08	54430	N	ES-N06-081112
East	N6	ES-N06-081112	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-N06-081112
East	N6	ES-N06-081112	AROCLOR 1254	0.05900	11/26/08	54430	Y	ES-N06-081112
East	N7	ES-N07-080530	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-N07-080530
East	N7	ES-N07-080530	AROCLOR 1242	0.03400	06/13/08	50461	Y	ES-N07-080530
East	N7	ES-N07-080530	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-N07-080530
East	N7	ES-N07-080530	AROCLOR 1254	0.04000	06/13/08	50461	Y	ES-N07-080530
East	N7	ES-N07-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-N07-080530
East	N8	ES-N08-080610	AROCLOR 1232	0.01500	06/27/08	50810	N	ES-N08-080610
East	N8	ES-N08-080610	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-N08-080610
East	N8	ES-N08-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-N08-080610
East	N8	ES-N08-080610	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-N08-080610
East	N8	ES-N08-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-N08-080610
East	N9	ES-N09-080610	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-N09-080610
East	N9	ES-N09-080610	AROCLOR 1248	0.00930	06/27/08	50838	N	ES-N09-080610
East	N9	ES-N09-080610	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-N09-080610
East	N9	ES-N09-080610	AROCLOR 1254	0.00310	06/27/08	50838	N	ES-N09-080610
East	N9	ES-N09-080610	AROCLOR 1260	0.00620	06/27/08	50838	N	ES-N09-080610
East	N10	ES-N10-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-N10-080610
East	N10	ES-N10-080610	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-N10-080610
East	N10	ES-N10-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-N10-080610
East	N10	ES-N10-080610	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-N10-080610
East	N10	ES-N10-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-N10-080610
East	O3	ES-O03-080528	AROCLOR 1260	0.00620	06/05/08	50261	N	ES-O03-080528
East	O3	ES-O03-080528	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-O03-080528
East	O3	ES-O03-080528	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-O03-080528
East	O3	ES-O03-080528	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-O03-080528
East	O3	ES-O03-080528	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-O03-080528
East	O4	ES-O04-080515	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-O04-080515
East	O4	ES-O04-080515	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-O04-080515
East	O4	ES-O04-080515	AROCLOR 1260	0.00620	06/03/08	50226	N	ES-O04-080515
East	O4	ES-O04-080515	AROCLOR 1242	0.03600	06/03/08	50226	Y	ES-O04-080515
East	O4	ES-O04-080515	AROCLOR 1254	0.00310	06/03/08	50226	N	ES-O04-080515
East	O4	ES-O04-080515	AROCLOR 1248	0.00920	07/24/08	51426	N	ES-O04-080515
East	O4	ES-O04-080515	AROCLOR 1232	0.01400	07/24/08	51426	N	ES-O04-080515
East	O4	ES-O04-080515	AROCLOR 1254	0.00310	07/24/08	51426	N	ES-O04-080515
East	O4	ES-O04-080515	AROCLOR 1242	0.07400	07/24/08	51426	Y	ES-O04-080515
East	O4	ES-O04-080515	AROCLOR 1260	0.00620	07/24/08	51426	N	ES-O04-080515

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_date	batch_id	detect_flag	sample_name
East	O5	ES-O05-080520	AROCLOR 1254	0.02100	06/05/08	50293	Y	ES-O05-080520
East	O5	ES-O05-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-O05-080520
East	O5	ES-O05-080520	AROCLOR 1260	0.00620	06/05/08	50293	N	ES-O05-080520
East	O5	ES-O05-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-O05-080520
East	O5	ES-O05-080520	AROCLOR 1242	0.06200	06/05/08	50293	Y	ES-O05-080520
East	O6	ES-O06-080529	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-O06-080529
East	O6	ES-O06-080529	AROCLOR 1242	0.10000	06/13/08	50461	Y	ES-O06-080529
East	O6	ES-O06-080529	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-O06-080529
East	O6	ES-O06-080529	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-O06-080529
East	O6	ES-O06-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-O06-080529
East	O6	ES-O06-081111	AROCLOR 1254	0.00310	11/25/08	54430	N	ES-O06-081111
East	O6	ES-O06-081111	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-O06-081111
East	O6	ES-O06-081111	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-O06-081111
East	O6	ES-O06-081111	AROCLOR 1242	0.08300	11/25/08	54430	Y	ES-O06-081111
East	O6	ES-O06-081111	AROCLOR 1248	0.00920	11/25/08	54430	N	ES-O06-081111
East	O6	ES-O06-081111	AROCLOR 1242	0.04600	01/07/09	55140	Y	ES-O06-081111
East	O7	ES-O07-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-O07-080530
East	O7	ES-O07-080530	AROCLOR 1254	0.05200	06/13/08	50461	Y	ES-O07-080530
East	O7	ES-O07-080530	AROCLOR 1248	0.00910	06/13/08	50461	N	ES-O07-080530
East	O7	ES-O07-080530	AROCLOR 1242	0.21000	06/13/08	50461	Y	ES-O07-080530
East	O7	ES-O07-080530	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-O07-080530
East	O8	ES-O08-080530	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-O08-080530
East	O8	ES-O08-080530	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-O08-080530
East	O8	ES-O08-080530	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-O08-080530
East	O8	ES-O08-080530	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-O08-080530
East	O8	ES-O08-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-O08-080530
East	O9	ES-O09-080610	AROCLOR 1242	0.15000	06/27/08	50810	Y	ES-O09-080610
East	O9	ES-O09-080610	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-O09-080610
East	O9	ES-O09-080610	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-O09-080610
East	O9	ES-O09-080610	AROCLOR 1254	0.21000	06/27/08	50810	Y	ES-O09-080610
East	O9	ES-O09-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-O09-080610
East	O10	ES-O10-080611	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-O10-080611
East	O10	ES-O10-080611	AROCLOR 1254	0.18000	06/27/08	50838	Y	ES-O10-080611
East	O10	ES-O10-080611	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-O10-080611
East	O10	ES-O10-080611	AROCLOR 1248	0.00910	06/27/08	50838	N	ES-O10-080611
East	O10	ES-O10-080611	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-O10-080611
East	P4	ES-P04-080528	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-P04-080528
East	P4	ES-P04-080528	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-P04-080528
East	P4	ES-P04-080528	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-P04-080528
East	P4	ES-P04-080528	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-P04-080528
East	P4	ES-P04-080528	AROCLOR 1242	0.01700	06/05/08	50293	Y	ES-P04-080528
East	P4	ES-P04-080528	AROCLOR 1248	0.00930	07/09/08	50949	N	DUP-16
East	P4	ES-P04-080528	AROCLOR 1232	0.01400	07/09/08	50949	N	DUP-16
East	P4	ES-P04-080528	AROCLOR 1260	0.00620	07/09/08	50949	N	DUP-16

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	P4	ES-P04-080528	AROCLOR 1254	0.00310	07/09/08	50949	N	DUP-16
East	P4	ES-P04-080528	AROCLOR 1242	0.01000	07/09/08	50949	N	DUP-16
East	P5	ES-P05-080513	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-P05-080513
East	P5	ES-P05-080513	AROCLOR 1254	0.00310	06/03/08	50226	N	ES-P05-080513
East	P5	ES-P05-080513	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-P05-080513
East	P5	ES-P05-080513	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-P05-080513
East	P5	ES-P05-080513	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-P05-080513
East	P6	ES-P06-080515	AROCLOR 1254	0.00310	06/03/08	50226	N	ES-P06-080515
East	P6	ES-P06-080515	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-P06-080515
East	P6	ES-P06-080515	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-P06-080515
East	P6	ES-P06-080515	AROCLOR 1260	0.00612	06/03/08	50226	N	ES-P06-080515
East	P6	ES-P06-080515	AROCLOR 1242	0.07400	06/03/08	50226	Y	ES-P06-080515
East	P6	ES-P06-080515	AROCLOR 1248	0.00920	06/27/08	50810	N	DUP-12
East	P6	ES-P06-080515	AROCLOR 1260	0.00610	06/27/08	50810	N	DUP-12
East	P6	ES-P06-080515	AROCLOR 1232	0.01400	06/27/08	50810	N	DUP-12
East	P6	ES-P06-080515	AROCLOR 1242	0.05800	06/27/08	50810	Y	DUP-12
East	P6	ES-P06-080515	AROCLOR 1254	0.00310	06/27/08	50810	N	DUP-12
East	P7	ES-P07-080519	AROCLOR 1254	0.03100	06/04/08	50226	N	ES-P07-080519
East	P7	ES-P07-080519	AROCLOR 1260	0.06100	06/04/08	50226	N	ES-P07-080519
East	P7	ES-P07-080519	AROCLOR 1248	0.09200	06/04/08	50226	N	ES-P07-080519
East	P7	ES-P07-080519	AROCLOR 1242	4.20000	06/04/08	50226	Y	ES-P07-080519
East	P7	ES-P07-080519	AROCLOR 1232	0.14000	06/04/08	50226	N	ES-P07-080519
East	P7	ES-P07-080519	AROCLOR 1260	0.36000	07/24/08	51426	Y	ES-P07-080519
East	P7	ES-P07-080519	AROCLOR 1248	0.00920	07/24/08	51426	N	ES-P07-080519
East	P7	ES-P07-080519	AROCLOR 1232	0.01400	07/24/08	51426	N	ES-P07-080519
East	P7	ES-P07-080519	AROCLOR 1254	0.00310	07/24/08	51426	N	ES-P07-080519
East	P7	ES-P07-080519	AROCLOR 1242	4.30000	07/28/08	51426	Y	ES-P07-080519
East	P8	ES-P08-080530	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-P08-080530
East	P8	ES-P08-080530	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-P08-080530
East	P8	ES-P08-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-P08-080530
East	P8	ES-P08-080530	AROCLOR 1242	0.05000	06/13/08	50461	Y	ES-P08-080530
East	P8	ES-P08-080530	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-P08-080530
East	P10	ES-P10-080606	AROCLOR 1260	0.00620	06/27/08	50603	N	ES-P10-080606
East	P10	ES-P10-080606	AROCLOR 1254	0.05200	06/27/08	50603	Y	ES-P10-080606
East	P10	ES-P10-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-P10-080606
East	P10	ES-P10-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-P10-080606
East	P10	ES-P10-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-P10-080606
East	P11	ES-P11-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-P11-080606
East	P11	ES-P11-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-P11-080606
East	P11	ES-P11-080606	AROCLOR 1254	0.00310	06/27/08	50603	N	ES-P11-080606
East	P11	ES-P11-080606	AROCLOR 1260	0.04100	06/27/08	50603	Y	ES-P11-080606
East	P11	ES-P11-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-P11-080606
East	Q5	ES-Q05-080520	AROCLOR 1242	0.13000	06/05/08	50293	Y	ES-Q05-080520
East	Q5	ES-Q05-080520	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-Q05-080520

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	Q5	ES-Q05-080520	AROCLOR 1254	0.11000	06/05/08	50293	Y	ES-Q05-080520
East	Q5	ES-Q05-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-Q05-080520
East	Q5	ES-Q05-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-Q05-080520
East	Q5	ES-Q05-090320	AROCLOR 1254	0.05500	04/06/09	56714	Y	ES-Q05-090320
East	Q5	ES-Q05-090320	AROCLOR 1232	0.01400	04/06/09	56714	N	ES-Q05-090320
East	Q5	ES-Q05-090320	AROCLOR 1260	0.00610	04/06/09	56714	N	ES-Q05-090320
East	Q5	ES-Q05-090320	AROCLOR 1242	0.06300	04/06/09	56714	Y	ES-Q05-090320
East	Q5	ES-Q05-090320	AROCLOR 1248	0.00920	04/06/09	56714	N	ES-Q05-090320
East	Q6	ES-Q06-080520	AROCLOR 1242	0.19000	06/05/08	50293	Y	ES-Q06-080520
East	Q6	ES-Q06-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-Q06-080520
East	Q6	ES-Q06-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-Q06-080520
East	Q6	ES-Q06-080520	AROCLOR 1254	0.05700	06/05/08	50293	Y	ES-Q06-080520
East	Q6	ES-Q06-080520	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-Q06-080520
East	Q7	ES-Q07-080519	AROCLOR 1248	0.04600	06/04/08	50226	N	ES-Q07-080519
East	Q7	ES-Q07-080519	AROCLOR 1260	0.03100	06/04/08	50226	N	ES-Q07-080519
East	Q7	ES-Q07-080519	AROCLOR 1254	0.01500	06/04/08	50226	N	ES-Q07-080519
East	Q7	ES-Q07-080519	AROCLOR 1232	0.07100	06/04/08	50226	N	ES-Q07-080519
East	Q7	ES-Q07-080519	AROCLOR 1242	2.24000	06/04/08	50226	Y	ES-Q07-080519
East	Q8	ES-Q08-080519	AROCLOR 1242	0.56000	06/03/08	50226	Y	ES-Q08-080519
East	Q8	ES-Q08-080519	AROCLOR 1254	0.27000	06/03/08	50226	Y	ES-Q08-080519
East	Q8	ES-Q08-080519	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-Q08-080519
East	Q8	ES-Q08-080519	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-Q08-080519
East	Q8	ES-Q08-080519	AROCLOR 1248	0.00910	06/03/08	50226	N	ES-Q08-080519
East	Q9	ES-Q09-080612	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-Q09-080612
East	Q9	ES-Q09-080612	AROCLOR 1254	0.01400	06/27/08	50838	Y	ES-Q09-080612
East	Q9	ES-Q09-080612	AROCLOR 1242	0.01800	06/27/08	50838	Y	ES-Q09-080612
East	Q9	ES-Q09-080612	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-Q09-080612
East	Q9	ES-Q09-080612	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-Q09-080612
East	Q10	ES-Q10-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-Q10-080606
East	Q10	ES-Q10-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-Q10-080606
East	Q10	ES-Q10-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-Q10-080606
East	Q10	ES-Q10-080606	AROCLOR 1254	0.00310	06/27/08	50603	N	ES-Q10-080606
East	Q10	ES-Q10-080606	AROCLOR 1260	0.00620	06/27/08	50603	N	ES-Q10-080606
East	Q11	ES-Q11-080606	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-Q11-080606
East	Q11	ES-Q11-080606	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-Q11-080606
East	Q11	ES-Q11-080606	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-Q11-080606
East	Q11	ES-Q11-080606	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-Q11-080606
East	Q11	ES-Q11-080606	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-Q11-080606
East	Q17	ES-Q17-080609	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-Q17-080609
East	Q17	ES-Q17-080609	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-Q17-080609
East	Q17	ES-Q17-080609	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-Q17-080609
East	Q17	ES-Q17-080609	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-Q17-080609
East	Q17	ES-Q17-080609	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-Q17-080609
East	R5	ES-R05-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-R05-080521

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	R5	ES-R05-080521	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-R05-080521
East	R5	ES-R05-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-R05-080521
East	R5	ES-R05-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-R05-080521
East	R5	ES-R05-080521	AROCLOR 1254	0.06800	06/05/08	50293	Y	ES-R05-080521
East	R6	ES-R06-080521	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-R06-080521
East	R6	ES-R06-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-R06-080521
East	R6	ES-R06-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-R06-080521
East	R6	ES-R06-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-R06-080521
East	R6	ES-R06-080521	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-R06-080521
East	R7	ES-R07-080521	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-R07-080521
East	R7	ES-R07-080521	AROCLOR 1260	0.00620	06/05/08	50293	N	ES-R07-080521
East	R7	ES-R07-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-R07-080521
East	R7	ES-R07-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-R07-080521
East	R7	ES-R07-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-R07-080521
East	R8	ES-R08-080519	AROCLOR 1242	0.44000	06/05/08	50293	Y	ES-R08-080519
East	R8	ES-R08-080519	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-R08-080519
East	R8	ES-R08-080519	AROCLOR 1254	0.18000	06/05/08	50293	Y	ES-R08-080519
East	R8	ES-R08-080519	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-R08-080519
East	R8	ES-R08-080519	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-R08-080519
East	R9	ES-R09-080520	AROCLOR 1260	0.00620	06/05/08	50293	N	ES-R09-080520
East	R9	ES-R09-080520	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-R09-080520
East	R9	ES-R09-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-R09-080520
East	R9	ES-R09-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-R09-080520
East	R9	ES-R09-080520	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-R09-080520
East	R10	ES-R10-080602	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-R10-080602
East	R10	ES-R10-080602	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-R10-080602
East	R10	ES-R10-080602	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-R10-080602
East	R10	ES-R10-080602	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-R10-080602
East	R10	ES-R10-080602	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-R10-080602
East	R11	ES-R11-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-R11-080605
East	R11	ES-R11-080605	AROCLOR 1248	0.00930	06/26/08	50603	N	ES-R11-080605
East	R11	ES-R11-080605	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-R11-080605
East	R11	ES-R11-080605	AROCLOR 1254	0.00310	06/26/08	50603	N	ES-R11-080605
East	R11	ES-R11-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-R11-080605
East	R12	ES-R12-080611	AROCLOR 1260	0.00620	06/27/08	50838	N	ES-R12-080611
East	R12	ES-R12-080611	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-R12-080611
East	R12	ES-R12-080611	AROCLOR 1254	0.00310	06/27/08	50838	N	ES-R12-080611
East	R12	ES-R12-080611	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-R12-080611
East	R12	ES-R12-080611	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-R12-080611
East	R16	ES-R16-080605	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-R16-080605
East	R16	ES-R16-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-R16-080605
East	R16	ES-R16-080605	AROCLOR 1260	0.00610	06/26/08	50603	N	ES-R16-080605
East	R16	ES-R16-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-R16-080605
East	R16	ES-R16-080605	AROCLOR 1254	0.02700	06/26/08	50603	Y	ES-R16-080605

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	R17	ES-R17-080606	AROCLOR 1260	0.00610	06/27/08	50603	N	ES-R17-080606
East	R17	ES-R17-080606	AROCLOR 1254	0.01100	06/27/08	50603	Y	ES-R17-080606
East	R17	ES-R17-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-R17-080606
East	R17	ES-R17-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-R17-080606
East	R17	ES-R17-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-R17-080606
East	S5	ES-S05-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-S05-080521
East	S5	ES-S05-080521	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-S05-080521
East	S5	ES-S05-080521	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-S05-080521
East	S5	ES-S05-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-S05-080521
East	S5	ES-S05-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-S05-080521
East	S6	ES-S06-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-S06-080521
East	S6	ES-S06-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-S06-080521
East	S6	ES-S06-080521	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-S06-080521
East	S6	ES-S06-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-S06-080521
East	S6	ES-S06-080521	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-S06-080521
East	S7	ES-S07-080521	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-S07-080521
East	S7	ES-S07-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-S07-080521
East	S7	ES-S07-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-S07-080521
East	S7	ES-S07-080521	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-S07-080521
East	S7	ES-S07-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-S07-080521
East	S8	ES-S08-080522	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-S08-080522
East	S8	ES-S08-080522	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-S08-080522
East	S8	ES-S08-080522	AROCLOR 1254	0.11000	06/05/08	50261	Y	ES-S08-080522
East	S8	ES-S08-080522	AROCLOR 1248	0.00910	06/05/08	50261	N	ES-S08-080522
East	S8	ES-S08-080522	AROCLOR 1242	0.15000	06/05/08	50261	Y	ES-S08-080522
East	S8	ES-S08-090319	AROCLOR 1260	0.00610	04/06/09	56714	N	ES-S08-090319
East	S8	ES-S08-090319	AROCLOR 1232	0.01400	04/06/09	56714	N	ES-S08-090319
East	S8	ES-S08-090319	AROCLOR 1254	0.07600	04/06/09	56714	Y	ES-S08-090319
East	S8	ES-S08-090319	AROCLOR 1248	0.00910	04/06/09	56714	N	ES-S08-090319
East	S8	ES-S08-090319	AROCLOR 1242	0.19000	04/06/09	56714	Y	ES-S08-090319
East	S9	ES-S09-080522	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-S09-080522
East	S9	ES-S09-080522	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-S09-080522
East	S9	ES-S09-080522	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-S09-080522
East	S9	ES-S09-080522	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-S09-080522
East	S9	ES-S09-080522	AROCLOR 1242	0.01700	06/05/08	50261	Y	ES-S09-080522
East	S10	ES-S10-080523	AROCLOR 1232	0.01400	06/04/08	50261	N	ES-S10-080523
East	S10	ES-S10-080523	AROCLOR 1248	0.00920	06/04/08	50261	N	ES-S10-080523
East	S10	ES-S10-080523	AROCLOR 1260	0.00610	06/04/08	50261	N	ES-S10-080523
East	S10	ES-S10-080523	AROCLOR 1242	0.01000	06/04/08	50261	N	ES-S10-080523
East	S10	ES-S10-080523	AROCLOR 1254	0.00310	06/04/08	50261	N	ES-S10-080523
East	S11	ES-S11-080528	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-S11-080528
East	S11	ES-S11-080528	AROCLOR 1260	0.00620	06/05/08	50261	N	ES-S11-080528
East	S11	ES-S11-080528	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-S11-080528
East	S11	ES-S11-080528	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-S11-080528

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	S11	ES-S11-080528	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-S11-080528
East	S12	ES-S12-080609	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-S12-080609
East	S12	ES-S12-080609	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-S12-080609
East	S12	ES-S12-080609	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-S12-080609
East	S12	ES-S12-080609	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-S12-080609
East	S12	ES-S12-080609	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-S12-080609
East	S13	ES-S13-080610	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-S13-080610
East	S13	ES-S13-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-S13-080610
East	S13	ES-S13-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-S13-080610
East	S13	ES-S13-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-S13-080610
East	S13	ES-S13-080610	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-S13-080610
East	S17	ES-S17-080606	AROCLOR 1254	0.26000	06/27/08	50603	Y	ES-S17-080606
East	S17	ES-S17-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-S17-080606
East	S17	ES-S17-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-S17-080606
East	S17	ES-S17-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-S17-080606
East	S17	ES-S17-080606	AROCLOR 1260	0.00620	06/27/08	50603	N	ES-S17-080606
East	S18	ES-S18-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-S18-080606
East	S18	ES-S18-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-S18-080606
East	S18	ES-S18-080606	AROCLOR 1254	0.00310	06/27/08	50603	N	ES-S18-080606
East	S18	ES-S18-080606	AROCLOR 1260	0.00610	06/27/08	50603	N	ES-S18-080606
East	S18	ES-S18-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-S18-080606
East	T7	ES-T07-080612	AROCLOR 1254	0.00310	06/27/08	50838	N	ES-T07-080612
East	T7	ES-T07-080612	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-T07-080612
East	T7	ES-T07-080612	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-T07-080612
East	T7	ES-T07-080612	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-T07-080612
East	T7	ES-T07-080612	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-T07-080612
East	T8	ES-T08-080522	AROCLOR 1248	0.00910	06/04/08	50261	N	ES-T08-080522
East	T8	ES-T08-080522	AROCLOR 1242	0.01000	06/04/08	50261	N	ES-T08-080522
East	T8	ES-T08-080522	AROCLOR 1260	0.00610	06/04/08	50261	N	ES-T08-080522
East	T8	ES-T08-080522	AROCLOR 1254	0.00300	06/04/08	50261	N	ES-T08-080522
East	T8	ES-T08-080522	AROCLOR 1232	0.01400	06/04/08	50261	N	ES-T08-080522
East	T8	ES-T08-080522	AROCLOR 1254	0.00310	06/27/08	50838	N	DUP-13
East	T8	ES-T08-080522	AROCLOR 1260	0.00610	06/27/08	50838	N	DUP-13
East	T8	ES-T08-080522	AROCLOR 1242	0.03100	06/27/08	50838	Y	DUP-13
East	T8	ES-T08-080522	AROCLOR 1248	0.00920	06/27/08	50838	N	DUP-13
East	T8	ES-T08-080522	AROCLOR 1232	0.01400	06/27/08	50838	N	DUP-13
East	T9	ES-T09-080522	AROCLOR 1242	0.09000	06/05/08	50261	Y	ES-T09-080522
East	T9	ES-T09-080522	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-T09-080522
East	T9	ES-T09-080522	AROCLOR 1254	0.03300	06/05/08	50261	Y	ES-T09-080522
East	T9	ES-T09-080522	AROCLOR 1248	0.00910	06/05/08	50261	N	ES-T09-080522
East	T9	ES-T09-080522	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-T09-080522
East	T9	ES-T09-081112	AROCLOR 1248	0.00910	11/25/08	54430	N	ES-T09-081112
East	T9	ES-T09-081112	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-T09-081112
East	T9	ES-T09-081112	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-T09-081112

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	T9	ES-T09-081112	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-T09-081112
East	T9	ES-T09-081112	AROCLOR 1254	0.00710	11/26/08	54430	Y	ES-T09-081112
East	T10	ES-T10-080523	AROCLOR 1242	0.03100	06/05/08	50261	Y	ES-T10-080523
East	T10	ES-T10-080523	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-T10-080523
East	T10	ES-T10-080523	AROCLOR 1254	0.03000	06/05/08	50261	Y	ES-T10-080523
East	T10	ES-T10-080523	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-T10-080523
East	T10	ES-T10-080523	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-T10-080523
East	T10	ES-T10-080523	AROCLOR 1248	0.00920	06/27/08	50838	N	DUP-14
East	T10	ES-T10-080523	AROCLOR 1254	0.03700	06/27/08	50838	Y	DUP-14
East	T10	ES-T10-080523	AROCLOR 1260	0.00610	06/27/08	50838	N	DUP-14
East	T10	ES-T10-080523	AROCLOR 1242	0.04000	06/27/08	50838	Y	DUP-14
East	T10	ES-T10-080523	AROCLOR 1232	0.01400	06/27/08	50838	N	DUP-14
East	T11	ES-T11-080530	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-T11-080530
East	T11	ES-T11-080530	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-T11-080530
East	T11	ES-T11-080530	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-T11-080530
East	T11	ES-T11-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-T11-080530
East	T11	ES-T11-080530	AROCLOR 1248	0.00930	06/13/08	50461	N	ES-T11-080530
East	T12	ES-T12-080609	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-T12-080609
East	T12	ES-T12-080609	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-T12-080609
East	T12	ES-T12-080609	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-T12-080609
East	T12	ES-T12-080609	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-T12-080609
East	T12	ES-T12-080609	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-T12-080609
East	T13	ES-T13-080609	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-T13-080609
East	T13	ES-T13-080609	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-T13-080609
East	T13	ES-T13-080609	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-T13-080609
East	T13	ES-T13-080609	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-T13-080609
East	T13	ES-T13-080609	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-T13-080609
East	T14	ES-T14-080610	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-T14-080610
East	T14	ES-T14-080610	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-T14-080610
East	T14	ES-T14-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-T14-080610
East	T14	ES-T14-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-T14-080610
East	T14	ES-T14-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-T14-080610
East	U10	ES-U10-080523	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-U10-080523
East	U10	ES-U10-080523	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-U10-080523
East	U10	ES-U10-080523	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-U10-080523
East	U10	ES-U10-080523	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-U10-080523
East	U10	ES-U10-080523	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-U10-080523
East	U11	ES-U11-080602	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-U11-080602
East	U11	ES-U11-080602	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-U11-080602
East	U11	ES-U11-080602	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-U11-080602
East	U11	ES-U11-080602	AROCLOR 1254	0.00310	06/26/08	50603	N	ES-U11-080602
East	U11	ES-U11-080602	AROCLOR 1260	0.00610	06/26/08	50603	N	ES-U11-080602
East	U13	ES-U13-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-U13-080610
East	U13	ES-U13-080610	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-U13-080610

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	U13	ES-U13-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-U13-080610
East	U13	ES-U13-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-U13-080610
East	U13	ES-U13-080610	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-U13-080610
East	U14	ES-U14-080610	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-U14-080610
East	U14	ES-U14-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-U14-080610
East	U14	ES-U14-080610	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-U14-080610
East	U14	ES-U14-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-U14-080610
East	U14	ES-U14-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-U14-080610
East	V11	ES-V11-080529	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-V11-080529
East	V11	ES-V11-080529	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-V11-080529
East	V11	ES-V11-080529	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-V11-080529
East	V11	ES-V11-080529	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-V11-080529
East	V11	ES-V11-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-V11-080529
East	V14	ES-V14-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-V14-080605
East	V14	ES-V14-080605	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-V14-080605
East	V14	ES-V14-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-V14-080605
East	V14	ES-V14-080605	AROCLOR 1254	0.00310	06/26/08	50603	N	ES-V14-080605
East	V14	ES-V14-080605	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-V14-080605
East	W12	ES-W12-080527	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-W12-080527
East	W12	ES-W12-080527	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-W12-080527
East	W12	ES-W12-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-W12-080527
East	W12	ES-W12-080527	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-W12-080527
East	W12	ES-W12-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-W12-080527
West	A4	WS-A04-080626	AROCLOR 1242	0.01000	07/10/08	51068	N	WS-A04-080626
West	A4	WS-A04-080626	AROCLOR 1260	0.00620	07/10/08	51068	N	WS-A04-080626
West	A4	WS-A04-080626	AROCLOR 1232	0.01400	07/10/08	51068	N	WS-A04-080626
West	A4	WS-A04-080626	AROCLOR 1248	0.00930	07/10/08	51068	N	WS-A04-080626
West	A4	WS-A04-080626	AROCLOR 1254	0.00310	07/10/08	51068	N	WS-A04-080626
West	B2	WS-B02-080502	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-B02-080502
West	B2	WS-B02-080502	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-B02-080502
West	B2	WS-B02-080502	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-B02-080502
West	B2	WS-B02-080502	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-B02-080502
West	B2	WS-B02-080502	AROCLOR 1248	0.41000	05/22/08	49981	Y	WS-B02-080502
West	B3	WS-B03-080502	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-B03-080502
West	B3	WS-B03-080502	AROCLOR 1254	0.03900	05/22/08	49981	Y	WS-B03-080502
West	B3	WS-B03-080502	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-B03-080502
West	B3	WS-B03-080502	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-B03-080502
West	B3	WS-B03-080502	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-B03-080502
West	B4	WS-B04-080626	AROCLOR 1232	0.01400	07/10/08	51068	N	WS-B04-080626
West	B4	WS-B04-080626	AROCLOR 1248	0.00920	07/10/08	51068	N	WS-B04-080626
West	B4	WS-B04-080626	AROCLOR 1242	0.01000	07/10/08	51068	N	WS-B04-080626
West	B4	WS-B04-080626	AROCLOR 1254	0.00310	07/10/08	51068	N	WS-B04-080626
West	B4	WS-B04-080626	AROCLOR 1260	0.00610	07/10/08	51068	N	WS-B04-080626
West	B5	WS-B05-080626	AROCLOR 1248	0.00920	07/10/08	51068	N	WS-B05-080626

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West	B5	WS-B05-080626	AROCLOR 1254	0.00310	07/10/08	51068	N	WS-B05-080626
West	B5	WS-B05-080626	AROCLOR 1242	0.01000	07/10/08	51068	N	WS-B05-080626
West	B5	WS-B05-080626	AROCLOR 1260	0.00610	07/10/08	51068	N	WS-B05-080626
West	B5	WS-B05-080626	AROCLOR 1232	0.01400	07/10/08	51068	N	WS-B05-080626
West	C1	WS-C01-080501	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-C01-080501
West	C1	WS-C01-080501	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-C01-080501
West	C1	WS-C01-080501	AROCLOR 1254	0.04500	05/15/08	49802	Y	WS-C01-080501
West	C1	WS-C01-080501	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-C01-080501
West	C1	WS-C01-080501	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-C01-080501
West	C1	WS-C01-080501	AROCLOR 1232	0.01400	05/30/08	50156	N	DUP-3
West	C1	WS-C01-080501	AROCLOR 1248	0.00920	05/30/08	50156	N	DUP-3
West	C1	WS-C01-080501	AROCLOR 1254	0.04100	05/30/08	50156	Y	DUP-3
West	C1	WS-C01-080501	AROCLOR 1260	0.00610	05/30/08	50156	N	DUP-3
West	C1	WS-C01-080501	AROCLOR 1242	0.01000	05/30/08	50156	N	DUP-3
West	C2	WS-C02-080428	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-C02-080428
West	C2	WS-C02-080428	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-C02-080428
West	C2	WS-C02-080428	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-C02-080428
West	C2	WS-C02-080428	AROCLOR 1254	0.01600	05/15/08	49802	Y	WS-C02-080428
West	C2	WS-C02-080428	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-C02-080428
West	C3	WS-C03-080620	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-C03-080620
West	C3	WS-C03-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-C03-080620
West	C3	WS-C03-080620	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-C03-080620
West	C3	WS-C03-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-C03-080620
West	C3	WS-C03-080620	AROCLOR 1260	0.00620	07/09/08	51053	N	WS-C03-080620
West	C4	WS-C04-080623	AROCLOR 1242	0.01000	07/09/08	51067	N	WS-C04-080623
West	C4	WS-C04-080623	AROCLOR 1254	0.00310	07/09/08	51067	N	WS-C04-080623
West	C4	WS-C04-080623	AROCLOR 1232	0.01400	07/09/08	51067	N	WS-C04-080623
West	C4	WS-C04-080623	AROCLOR 1260	0.00610	07/09/08	51067	N	WS-C04-080623
West	C4	WS-C04-080623	AROCLOR 1248	0.00920	07/09/08	51067	N	WS-C04-080623
West	C5	WS-C05-080620	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-C05-080620
West	C5	WS-C05-080620	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-C05-080620
West	C5	WS-C05-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-C05-080620
West	C5	WS-C05-080620	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-C05-080620
West	C5	WS-C05-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-C05-080620
West	C6	WS-C06-080624	AROCLOR 1260	0.00610	07/10/08	51067	N	WS-C06-080624
West	C6	WS-C06-080624	AROCLOR 1254	0.00310	07/10/08	51067	N	WS-C06-080624
West	C6	WS-C06-080624	AROCLOR 1242	0.01000	07/10/08	51067	N	WS-C06-080624
West	C6	WS-C06-080624	AROCLOR 1248	0.00920	07/10/08	51067	N	WS-C06-080624
West	C6	WS-C06-080624	AROCLOR 1232	0.01400	07/10/08	51067	N	WS-C06-080624
West	D1	WS-D01-080430	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-D01-080430
West	D1	WS-D01-080430	AROCLOR 1254	0.02600	05/15/08	49802	Y	WS-D01-080430
West	D1	WS-D01-080430	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-D01-080430
West	D1	WS-D01-080430	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-D01-080430
West	D1	WS-D01-080430	AROCLOR 1248	0.00910	05/15/08	49802	N	WS-D01-080430

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West	D2	WS-D02-080429	AROCLOR 1260	0.00610	05/15/08	49802	N	DUP-2
West	D2	WS-D02-080429	AROCLOR 1260	0.00620	05/15/08	49802	N	WS-D02-080429
West	D2	WS-D02-080429	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-D02-080429
West	D2	WS-D02-080429	AROCLOR 1254	0.00310	05/15/08	49802	N	WS-D02-080429
West	D2	WS-D02-080429	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-D02-080429
West	D2	WS-D02-080429	AROCLOR 1248	0.00930	05/15/08	49802	N	WS-D02-080429
West	D2	WS-D02-080429	AROCLOR 1248	0.00920	05/15/08	49802	N	DUP-2
West	D2	WS-D02-080429	AROCLOR 1254	0.00310	05/15/08	49802	N	DUP-2
West	D2	WS-D02-080429	AROCLOR 1242	0.01000	05/15/08	49802	N	DUP-2
West	D2	WS-D02-080429	AROCLOR 1232	0.01400	05/15/08	49802	N	DUP-2
West	D3	WS-D03-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-D03-080620
West	D3	WS-D03-080620	AROCLOR 1260	0.00620	07/09/08	51053	N	WS-D03-080620
West	D3	WS-D03-080620	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-D03-080620
West	D3	WS-D03-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-D03-080620
West	D3	WS-D03-080620	AROCLOR 1248	0.00930	07/09/08	51053	N	WS-D03-080620
West	D4	WS-D04-080623	AROCLOR 1232	0.01400	07/09/08	51067	N	WS-D04-080623
West	D4	WS-D04-080623	AROCLOR 1242	0.01000	07/09/08	51067	N	WS-D04-080623
West	D4	WS-D04-080623	AROCLOR 1248	0.00920	07/09/08	51067	N	WS-D04-080623
West	D4	WS-D04-080623	AROCLOR 1260	0.00610	07/09/08	51067	N	WS-D04-080623
West	D4	WS-D04-080623	AROCLOR 1254	0.13000	07/09/08	51067	Y	WS-D04-080623
West	D4	WS-D04-090319	AROCLOR 1248	0.00910	04/06/09	56714	N	WS-D04-090319
West	D4	WS-D04-090319	AROCLOR 1232	0.01400	04/06/09	56714	N	WS-D04-090319
West	D4	WS-D04-090319	AROCLOR 1254	0.02100	04/06/09	56714	Y	WS-D04-090319
West	D4	WS-D04-090319	AROCLOR 1242	0.01000	04/06/09	56714	N	WS-D04-090319
West	D4	WS-D04-090319	AROCLOR 1260	0.00600	04/06/09	56714	N	WS-D04-090319
West	D5	WS-D05-080620	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-D05-080620
West	D5	WS-D05-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-D05-080620
West	D5	WS-D05-080620	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-D05-080620
West	D5	WS-D05-080620	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-D05-080620
West	D5	WS-D05-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-D05-080620
West	D6	WS-D06-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-D06-080619
West	D6	WS-D06-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-D06-080619
West	D6	WS-D06-080619	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-D06-080619
West	D6	WS-D06-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-D06-080619
West	D6	WS-D06-080619	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-D06-080619
West	D7	WS-D07-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-D07-080619
West	D7	WS-D07-080619	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-D07-080619
West	D7	WS-D07-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-D07-080619
West	D7	WS-D07-080619	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-D07-080619
West	D7	WS-D07-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-D07-080619
West	E1	WS-E01-080430	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-E01-080430
West	E1	WS-E01-080430	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-E01-080430
West	E1	WS-E01-080430	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-E01-080430
West	E1	WS-E01-080430	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-E01-080430

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West	E1	WS-E01-080430	AROCLOR 1254	0.01000	05/15/08	49802	Y	WS-E01-080430
West	E2	WS-E02-080428	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-E02-080428
West	E2	WS-E02-080428	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-E02-080428
West	E2	WS-E02-080428	AROCLOR 1254	0.07200	05/15/08	49802	Y	WS-E02-080428
West	E2	WS-E02-080428	AROCLOR 1260	0.00620	05/15/08	49802	N	WS-E02-080428
West	E2	WS-E02-080428	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-E02-080428
West	E2	WS-E02-080428	AROCLOR 1260	0.00620	05/15/08	49802	N	DUP-1
West	E2	WS-E02-080428	AROCLOR 1254	0.07100	05/15/08	49802	Y	DUP-1
West	E2	WS-E02-080428	AROCLOR 1242	0.01000	05/15/08	49802	N	DUP-1
West	E2	WS-E02-080428	AROCLOR 1248	0.00920	05/15/08	49802	N	DUP-1
West	E2	WS-E02-080428	AROCLOR 1232	0.01400	05/15/08	49802	N	DUP-1
West	E3	WS-E03-080619	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-E03-080619
West	E3	WS-E03-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-E03-080619
West	E3	WS-E03-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-E03-080619
West	E3	WS-E03-080619	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-E03-080619
West	E3	WS-E03-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-E03-080619
West	E4	WS-E04-080613	AROCLOR 1254	0.00300	06/27/08	50837	N	WS-E04-080613
West	E4	WS-E04-080613	AROCLOR 1242	0.01000	06/27/08	50837	N	WS-E04-080613
West	E4	WS-E04-080613	AROCLOR 1248	0.00910	06/27/08	50837	N	WS-E04-080613
West	E4	WS-E04-080613	AROCLOR 1232	0.01400	06/27/08	50837	N	WS-E04-080613
West	E4	WS-E04-080613	AROCLOR 1260	0.00610	06/27/08	50837	N	WS-E04-080613
West	E5	WS-E05-080613	AROCLOR 1260	0.00610	07/09/08	50838	N	WS-E05-080613
West	E5	WS-E05-080613	AROCLOR 1242	0.01000	07/09/08	50838	N	WS-E05-080613
West	E5	WS-E05-080613	AROCLOR 1248	0.00920	07/09/08	50838	N	WS-E05-080613
West	E5	WS-E05-080613	AROCLOR 1232	0.01400	07/09/08	50838	N	WS-E05-080613
West	E5	WS-E05-080613	AROCLOR 1254	0.08200	07/09/08	50838	Y	WS-E05-080613
West	E5	WS-E05-081110	AROCLOR 1260	0.00610	11/25/08	54430	N	WS-E05-081110
West	E5	WS-E05-081110	AROCLOR 1242	0.01000	11/25/08	54430	N	WS-E05-081110
West	E5	WS-E05-081110	AROCLOR 1232	0.01400	11/25/08	54430	N	WS-E05-081110
West	E5	WS-E05-081110	AROCLOR 1248	0.00910	11/25/08	54430	N	WS-E05-081110
West	E5	WS-E05-081110	AROCLOR 1254	0.05300	11/26/08	54430	Y	WS-E05-081110
West	E6	WS-E06-080613	AROCLOR 1242	0.01000	07/10/08	51068	N	WS-E06-080613
West	E6	WS-E06-080613	AROCLOR 1248	0.00920	07/10/08	51068	N	WS-E06-080613
West	E6	WS-E06-080613	AROCLOR 1232	0.01400	07/10/08	51068	N	WS-E06-080613
West	E6	WS-E06-080613	AROCLOR 1254	0.00310	07/10/08	51068	N	WS-E06-080613
West	E6	WS-E06-080613	AROCLOR 1260	0.00610	07/10/08	51068	N	WS-E06-080613
West	E7	WS-E07-080613	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-E07-080613
West	E7	WS-E07-080613	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-E07-080613
West	E7	WS-E07-080613	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-E07-080613
West	E7	WS-E07-080613	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-E07-080613
West	E7	WS-E07-080613	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-E07-080613
West	E8	WS-E08-080616	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-E08-080616
West	E8	WS-E08-080616	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-E08-080616
West	E8	WS-E08-080616	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-E08-080616

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West	E8	WS-E08-080616	AROCLOR 1254	0.27000	07/09/08	50949	Y	WS-E08-080616
West	E8	WS-E08-080616	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-E08-080616
West	F1	WS-F01-080429	AROCLOR 1254	0.05200	05/15/08	49802	Y	WS-F01-080429
West	F1	WS-F01-080429	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-F01-080429
West	F1	WS-F01-080429	AROCLOR 1248	0.00900	05/15/08	49802	N	WS-F01-080429
West	F1	WS-F01-080429	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-F01-080429
West	F1	WS-F01-080429	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-F01-080429
West	F2	WS-F02-080429	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-F02-080429
West	F2	WS-F02-080429	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-F02-080429
West	F2	WS-F02-080429	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-F02-080429
West	F2	WS-F02-080429	AROCLOR 1254	0.06800	05/15/08	49802	Y	WS-F02-080429
West	F2	WS-F02-080429	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-F02-080429
West	F3	WS-F03-080619	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-F03-080619
West	F3	WS-F03-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-F03-080619
West	F3	WS-F03-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-F03-080619
West	F3	WS-F03-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-F03-080619
West	F3	WS-F03-080619	AROCLOR 1254	0.04300	07/09/08	51053	Y	WS-F03-080619
West	F4	WS-F04-080616	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-F04-080616
West	F4	WS-F04-080616	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-F04-080616
West	F4	WS-F04-080616	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-F04-080616
West	F4	WS-F04-080616	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-F04-080616
West	F4	WS-F04-080616	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-F04-080616
West	F5	WS-F05-080612	AROCLOR 1232	0.01400	06/27/08	50837	N	WS-F05-080612
West	F5	WS-F05-080612	AROCLOR 1254	0.51000	06/27/08	50837	Y	WS-F05-080612
West	F5	WS-F05-080612	AROCLOR 1260	0.00610	06/27/08	50837	N	WS-F05-080612
West	F5	WS-F05-080612	AROCLOR 1248	0.00920	06/27/08	50837	N	WS-F05-080612
West	F5	WS-F05-080612	AROCLOR 1242	0.01000	06/27/08	50837	N	WS-F05-080612
West	F6	WS-F06-080612	AROCLOR 1232	0.01400	06/27/08	50837	N	WS-F06-080612
West	F6	WS-F06-080612	AROCLOR 1242	0.01000	06/27/08	50837	N	WS-F06-080612
West	F6	WS-F06-080612	AROCLOR 1248	0.00920	06/27/08	50837	N	WS-F06-080612
West	F6	WS-F06-080612	AROCLOR 1254	0.00310	06/27/08	50837	N	WS-F06-080612
West	F6	WS-F06-080612	AROCLOR 1260	0.00620	06/27/08	50837	N	WS-F06-080612
West	F7	WS-F07-080617	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-F07-080617
West	F7	WS-F07-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-F07-080617
West	F7	WS-F07-080617	AROCLOR 1254	0.05400	07/09/08	50949	Y	WS-F07-080617
West	F7	WS-F07-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-F07-080617
West	F7	WS-F07-080617	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-F07-080617
West	F8	WS-F08-080618	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-F08-080618
West	F8	WS-F08-080618	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-F08-080618
West	F8	WS-F08-080618	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-F08-080618
West	F8	WS-F08-080618	AROCLOR 1254	0.05100	07/09/08	51053	Y	WS-F08-080618
West	F8	WS-F08-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-F08-080618
West	G1	WS-G01-080501	AROCLOR 1260	0.00620	05/15/08	49802	N	WS-G01-080501
West	G1	WS-G01-080501	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-G01-080501

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West	G1	WS-G01-080501	AROCLOR 1254	0.02400	05/15/08	49802	Y	WS-G01-080501
West	G1	WS-G01-080501	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-G01-080501
West	G1	WS-G01-080501	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-G01-080501
West	G1	WS-G01-080501	AROCLOR 1242	0.01000	05/30/08	50156	N	DUP-4
West	G1	WS-G01-080501	AROCLOR 1260	0.00610	05/30/08	50156	N	DUP-4
West	G1	WS-G01-080501	AROCLOR 1254	0.02600	05/30/08	50156	Y	DUP-4
West	G1	WS-G01-080501	AROCLOR 1232	0.01400	05/30/08	50156	N	DUP-4
West	G1	WS-G01-080501	AROCLOR 1248	0.00920	05/30/08	50156	N	DUP-4
West	G2	WS-G02-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-G02-080618
West	G2	WS-G02-080618	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-G02-080618
West	G2	WS-G02-080618	AROCLOR 1254	0.01400	07/09/08	51053	Y	WS-G02-080618
West	G2	WS-G02-080618	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-G02-080618
West	G2	WS-G02-080618	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-G02-080618
West	G3	WS-G03-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-G03-080619
West	G3	WS-G03-080619	AROCLOR 1248	0.00910	07/09/08	51053	N	WS-G03-080619
West	G3	WS-G03-080619	AROCLOR 1254	0.00300	07/09/08	51053	N	WS-G03-080619
West	G3	WS-G03-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-G03-080619
West	G3	WS-G03-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-G03-080619
West	G4	WS-G04-080616	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-G04-080616
West	G4	WS-G04-080616	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-G04-080616
West	G4	WS-G04-080616	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-G04-080616
West	G4	WS-G04-080616	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-G04-080616
West	G4	WS-G04-080616	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-G04-080616
West	G5	WS-G05-080613	AROCLOR 1232	0.01400	06/27/08	50838	N	WS-G05-080613
West	G5	WS-G05-080613	AROCLOR 1242	0.01000	06/27/08	50838	N	WS-G05-080613
West	G5	WS-G05-080613	AROCLOR 1248	0.00920	06/27/08	50838	N	WS-G05-080613
West	G5	WS-G05-080613	AROCLOR 1254	0.12000	06/27/08	50838	Y	WS-G05-080613
West	G5	WS-G05-080613	AROCLOR 1260	0.00620	06/27/08	50838	N	WS-G05-080613
West	G5	WS-G05-090319	AROCLOR 1260	0.00600	04/06/09	56714	N	WS-G05-090319
West	G5	WS-G05-090319	AROCLOR 1232	0.01400	04/06/09	56714	N	WS-G05-090319
West	G5	WS-G05-090319	AROCLOR 1254	0.66000	04/06/09	56714	Y	WS-G05-090319
West	G5	WS-G05-090319	AROCLOR 1248	0.00910	04/06/09	56714	N	WS-G05-090319
West	G5	WS-G05-090319	AROCLOR 1242	0.01000	04/06/09	56714	N	WS-G05-090319
West	G6	WS-G06-080616	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-G06-080616
West	G6	WS-G06-080616	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-G06-080616
West	G6	WS-G06-080616	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-G06-080616
West	G6	WS-G06-080616	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-G06-080616
West	G6	WS-G06-080616	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-G06-080616
West	G7	WS-G07-080617	AROCLOR 1260	0.00620	07/09/08	50949	N	WS-G07-080617
West	G7	WS-G07-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-G07-080617
West	G7	WS-G07-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-G07-080617
West	G7	WS-G07-080617	AROCLOR 1248	0.00930	07/09/08	50949	N	WS-G07-080617
West	G7	WS-G07-080617	AROCLOR 1254	0.20000	07/09/08	50949	Y	WS-G07-080617
West	H1	WS-H01-080501	AROCLOR 1254	0.01300	05/22/08	49981	Y	WS-H01-080501

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West	H1	WS-H01-080501	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-H01-080501
West	H1	WS-H01-080501	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-H01-080501
West	H1	WS-H01-080501	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-H01-080501
West	H1	WS-H01-080501	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-H01-080501
West	H2	WS-H02-080618	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-H02-080618
West	H2	WS-H02-080618	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-H02-080618
West	H2	WS-H02-080618	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-H02-080618
West	H2	WS-H02-080618	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-H02-080618
West	H2	WS-H02-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-H02-080618
West	H3	WS-H03-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-H03-080619
West	H3	WS-H03-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-H03-080619
West	H3	WS-H03-080619	AROCLOR 1248	0.00910	07/09/08	51053	N	WS-H03-080619
West	H3	WS-H03-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-H03-080619
West	H3	WS-H03-080619	AROCLOR 1254	0.00300	07/09/08	51053	N	WS-H03-080619
West	H4	WS-H04-080616	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-H04-080616
West	H4	WS-H04-080616	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-H04-080616
West	H4	WS-H04-080616	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-H04-080616
West	H4	WS-H04-080616	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-H04-080616
West	H4	WS-H04-080616	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-H04-080616
West	H5	WS-H05-080613	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-H05-080613
West	H5	WS-H05-080613	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-H05-080613
West	H5	WS-H05-080613	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-H05-080613
West	H5	WS-H05-080613	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-H05-080613
West	H5	WS-H05-080613	AROCLOR 1254	0.09400	07/09/08	50949	Y	WS-H05-080613
West	H5	WS-H05-081110	AROCLOR 1248	0.00920	11/25/08	54430	N	WS-H05-081110
West	H5	WS-H05-081110	AROCLOR 1232	0.01400	11/25/08	54430	N	WS-H05-081110
West	H5	WS-H05-081110	AROCLOR 1242	0.01000	11/25/08	54430	N	WS-H05-081110
West	H5	WS-H05-081110	AROCLOR 1260	0.00610	11/25/08	54430	N	WS-H05-081110
West	H5	WS-H05-081110	AROCLOR 1254	0.08900	11/26/08	54430	Y	WS-H05-081110
West	H6	WS-H06-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-H06-080617
West	H6	WS-H06-080617	AROCLOR 1260	0.00620	07/09/08	50949	N	WS-H06-080617
West	H6	WS-H06-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-H06-080617
West	H6	WS-H06-080617	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-H06-080617
West	H6	WS-H06-080617	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-H06-080617
West	I1	WS-I01-080501	AROCLOR 1254	0.02600	05/22/08	49981	Y	WS-I01-080501
West	I1	WS-I01-080501	AROCLOR 1242	0.01100	05/22/08	49981	N	WS-I01-080501
West	I1	WS-I01-080501	AROCLOR 1260	0.00640	05/22/08	49981	N	WS-I01-080501
West	I1	WS-I01-080501	AROCLOR 1248	0.00961	05/22/08	49981	N	WS-I01-080501
West	I1	WS-I01-080501	AROCLOR 1232	0.01500	05/22/08	49981	N	WS-I01-080501
West	I1	WS-I01-080501	AROCLOR 1254	0.02000	05/30/08	50156	Y	DUP-5
West	I1	WS-I01-080501	AROCLOR 1260	0.00640	05/30/08	50156	N	DUP-5
West	I1	WS-I01-080501	AROCLOR 1248	0.00960	05/30/08	50156	N	DUP-5
West	I1	WS-I01-080501	AROCLOR 1232	0.01500	05/30/08	50156	N	DUP-5
West	I1	WS-I01-080501	AROCLOR 1242	0.01100	05/30/08	50156	N	DUP-5

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West	I2	WS-I02-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-I02-080618
West	I2	WS-I02-080618	AROCLOR 1254	0.00300	07/09/08	51053	N	WS-I02-080618
West	I2	WS-I02-080618	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-I02-080618
West	I2	WS-I02-080618	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-I02-080618
West	I2	WS-I02-080618	AROCLOR 1248	0.00910	07/09/08	51053	N	WS-I02-080618
West	I3	WS-I03-080618	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-I03-080618
West	I3	WS-I03-080618	AROCLOR 1254	0.00300	07/09/08	51053	N	WS-I03-080618
West	I3	WS-I03-080618	AROCLOR 1248	0.00910	07/09/08	51053	N	WS-I03-080618
West	I3	WS-I03-080618	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-I03-080618
West	I3	WS-I03-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-I03-080618
West	I4	WS-I04-080617	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-I04-080617
West	I4	WS-I04-080617	AROCLOR 1254	0.04100	07/09/08	50949	Y	WS-I04-080617
West	I4	WS-I04-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-I04-080617
West	I4	WS-I04-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-I04-080617
West	I4	WS-I04-080617	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-I04-080617
West	I5	WS-I05-080617	AROCLOR 1260	0.00620	07/09/08	50949	N	WS-I05-080617
West	I5	WS-I05-080617	AROCLOR 1254	0.02300	07/09/08	50949	Y	WS-I05-080617
West	I5	WS-I05-080617	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-I05-080617
West	I5	WS-I05-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-I05-080617
West	I5	WS-I05-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-I05-080617
West	I6	WS-I06-080617	AROCLOR 1260	0.00620	07/09/08	50949	N	WS-I06-080617
West	I6	WS-I06-080617	AROCLOR 1248	0.00930	07/09/08	50949	N	WS-I06-080617
West	I6	WS-I06-080617	AROCLOR 1254	0.06600	07/09/08	50949	Y	WS-I06-080617
West	I6	WS-I06-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-I06-080617
West	I6	WS-I06-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-I06-080617
West	J1	WS-J01-080505	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-J01-080505
West	J1	WS-J01-080505	AROCLOR 1254	0.04600	05/22/08	49981	Y	WS-J01-080505
West	J1	WS-J01-080505	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-J01-080505
West	J1	WS-J01-080505	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-J01-080505
West	J1	WS-J01-080505	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-J01-080505
West	J1	WS-J01-080505	AROCLOR 1242	0.01000	06/05/08	50293	N	DUP-6
West	J1	WS-J01-080505	AROCLOR 1248	0.00930	06/05/08	50293	N	DUP-6
West	J1	WS-J01-080505	AROCLOR 1232	0.01400	06/05/08	50293	N	DUP-6
West	J1	WS-J01-080505	AROCLOR 1260	0.00620	06/05/08	50293	N	DUP-6
West	J1	WS-J01-080505	AROCLOR 1254	0.05500	06/05/08	50293	Y	DUP-6
West	J2	WS-J02-080624	AROCLOR 1232	0.01400	07/10/08	51067	N	WS-J02-080624
West	J2	WS-J02-080624	AROCLOR 1254	0.04200	07/10/08	51067	Y	WS-J02-080624
West	J2	WS-J02-080624	AROCLOR 1248	0.00920	07/10/08	51067	N	WS-J02-080624
West	J2	WS-J02-080624	AROCLOR 1260	0.00610	07/10/08	51067	N	WS-J02-080624
West	J2	WS-J02-080624	AROCLOR 1242	0.01000	07/10/08	51067	N	WS-J02-080624
West	J3	WS-J03-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-J03-080620
West	J3	WS-J03-080620	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-J03-080620
West	J3	WS-J03-080620	AROCLOR 1254	0.00920	07/09/08	51053	Y	WS-J03-080620
West	J3	WS-J03-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-J03-080620

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West	J3	WS-J03-080620	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-J03-080620
West	J4	WS-J04-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-J04-080617
West	J4	WS-J04-080617	AROCLOR 1248	0.00930	07/09/08	50949	N	WS-J04-080617
West	J4	WS-J04-080617	AROCLOR 1254	0.32000	07/09/08	50949	Y	WS-J04-080617
West	J4	WS-J04-080617	AROCLOR 1260	0.00620	07/09/08	50949	N	WS-J04-080617
West	J4	WS-J04-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-J04-080617
West	J5	WS-J05-080618	AROCLOR 1260	0.00620	07/09/08	51053	N	WS-J05-080618
West	J5	WS-J05-080618	AROCLOR 1254	1.00000	07/09/08	51053	Y	WS-J05-080618
West	J5	WS-J05-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-J05-080618
West	J5	WS-J05-080618	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-J05-080618
West	J5	WS-J05-080618	AROCLOR 1242	0.69000	07/09/08	51053	Y	WS-J05-080618
West	K1	WS-K01-080505	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-K01-080505
West	K1	WS-K01-080505	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-K01-080505
West	K1	WS-K01-080505	AROCLOR 1248	0.00930	05/22/08	49981	N	WS-K01-080505
West	K1	WS-K01-080505	AROCLOR 1254	0.04500	05/22/08	49981	Y	WS-K01-080505
West	K1	WS-K01-080505	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-K01-080505
West	K2	WS-K02-080509	AROCLOR 1248	0.00920	06/03/08	50226	N	WS-K02-080509
West	K2	WS-K02-080509	AROCLOR 1232	0.01400	06/03/08	50226	N	WS-K02-080509
West	K2	WS-K02-080509	AROCLOR 1242	0.01000	06/03/08	50226	N	WS-K02-080509
West	K2	WS-K02-080509	AROCLOR 1254	0.02400	06/03/08	50226	Y	WS-K02-080509
West	K2	WS-K02-080509	AROCLOR 1260	0.00610	06/03/08	50226	N	WS-K02-080509
West	K3	WS-K03-080509	AROCLOR 1254	0.02400	06/03/08	50226	Y	WS-K03-080509
West	K3	WS-K03-080509	AROCLOR 1232	0.01400	06/03/08	50226	N	WS-K03-080509
West	K3	WS-K03-080509	AROCLOR 1248	0.00920	06/03/08	50226	N	WS-K03-080509
West	K3	WS-K03-080509	AROCLOR 1242	0.01000	06/03/08	50226	N	WS-K03-080509
West	K3	WS-K03-080509	AROCLOR 1260	0.00610	06/03/08	50226	N	WS-K03-080509
West	K4	WS-K04-080513	AROCLOR 1254	0.15000	06/03/08	50226	Y	WS-K04-080513
West	K4	WS-K04-080513	AROCLOR 1260	0.00610	06/03/08	50226	N	WS-K04-080513
West	K4	WS-K04-080513	AROCLOR 1242	0.01000	06/03/08	50226	N	WS-K04-080513
West	K4	WS-K04-080513	AROCLOR 1232	0.01400	06/03/08	50226	N	WS-K04-080513
West	K4	WS-K04-080513	AROCLOR 1248	0.00920	06/03/08	50226	N	WS-K04-080513
West	K4	WS-K04-080513	AROCLOR 1242	0.01000	06/13/08	50461	N	DUP-10
West	K4	WS-K04-080513	AROCLOR 1260	0.00610	06/13/08	50461	N	DUP-10
West	K4	WS-K04-080513	AROCLOR 1254	0.15000	06/13/08	50461	Y	DUP-10
West	K4	WS-K04-080513	AROCLOR 1232	0.01400	06/13/08	50461	N	DUP-10
West	K4	WS-K04-080513	AROCLOR 1248	0.00910	06/13/08	50461	N	DUP-10
West	K5	WS-K05-080509	AROCLOR 1248	0.00920	05/30/08	50156	N	WS-K05-080509
West	K5	WS-K05-080509	AROCLOR 1260	0.00620	05/30/08	50156	N	WS-K05-080509
West	K5	WS-K05-080509	AROCLOR 1242	0.01000	05/30/08	50156	N	WS-K05-080509
West	K5	WS-K05-080509	AROCLOR 1254	0.44000	05/30/08	50156	Y	WS-K05-080509
West	K5	WS-K05-080509	AROCLOR 1232	0.01400	05/30/08	50156	N	WS-K05-080509
West	L1	WS-L01-080505	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-L01-080505
West	L1	WS-L01-080505	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-L01-080505
West	L1	WS-L01-080505	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-L01-080505

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West	L1	WS-L01-080505	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-L01-080505
West	L1	WS-L01-080505	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-L01-080505
West	L2	WS-L02-080508	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-L02-080508
West	L2	WS-L02-080508	AROCLOR 1248	0.09700	05/22/08	49981	Y	WS-L02-080508
West	L2	WS-L02-080508	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-L02-080508
West	L2	WS-L02-080508	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-L02-080508
West	L2	WS-L02-080508	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-L02-080508
West	L2	WS-L02-090319	AROCLOR 1242	0.01000	04/06/09	56714	N	WS-L02-090319
West	L2	WS-L02-090319	AROCLOR 1260	0.00610	04/06/09	56714	N	WS-L02-090319
West	L2	WS-L02-090319	AROCLOR 1248	0.00920	04/06/09	56714	N	WS-L02-090319
West	L2	WS-L02-090319	AROCLOR 1254	0.06200	04/06/09	56714	Y	WS-L02-090319
West	L2	WS-L02-090319	AROCLOR 1232	0.01400	04/06/09	56714	N	WS-L02-090319
West	L3	WS-L03-080508	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-L03-080508
West	L3	WS-L03-080508	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-L03-080508
West	L3	WS-L03-080508	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-L03-080508
West	L3	WS-L03-080508	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-L03-080508
West	L3	WS-L03-080508	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-L03-080508
West	L4	WS-L04-080508	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-L04-080508
West	L4	WS-L04-080508	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-L04-080508
West	L4	WS-L04-080508	AROCLOR 1254	0.02900	05/22/08	49981	Y	WS-L04-080508
West	L4	WS-L04-080508	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-L04-080508
West	L4	WS-L04-080508	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-L04-080508
West	L4	WS-L04-080508	AROCLOR 1242	0.01000	06/05/08	50293	N	DUP-9
West	L4	WS-L04-080508	AROCLOR 1254	0.03200	06/05/08	50293	Y	DUP-9
West	L4	WS-L04-080508	AROCLOR 1248	0.00920	06/05/08	50293	N	DUP-9
West	L4	WS-L04-080508	AROCLOR 1260	0.00620	06/05/08	50293	N	DUP-9
West	L4	WS-L04-080508	AROCLOR 1232	0.01400	06/05/08	50293	N	DUP-9
West	M1	WS-M01-080505	AROCLOR 1248	0.00930	05/22/08	49981	N	WS-M01-080505
West	M1	WS-M01-080505	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-M01-080505
West	M1	WS-M01-080505	AROCLOR 1254	0.01700	05/22/08	49981	Y	WS-M01-080505
West	M1	WS-M01-080505	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-M01-080505
West	M1	WS-M01-080505	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-M01-080505
West	M1	WS-M01-080505	AROCLOR 1254	0.00310	05/30/08	50156	N	DUP-7
West	M1	WS-M01-080505	AROCLOR 1260	0.00630	05/30/08	50156	N	DUP-7
West	M1	WS-M01-080505	AROCLOR 1248	0.00940	05/30/08	50156	N	DUP-7
West	M1	WS-M01-080505	AROCLOR 1242	0.01000	05/30/08	50156	N	DUP-7
West	M1	WS-M01-080505	AROCLOR 1232	0.01500	05/30/08	50156	N	DUP-7
West	M2	WS-M02-080507	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-M02-080507
West	M2	WS-M02-080507	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-M02-080507
West	M2	WS-M02-080507	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-M02-080507
West	M2	WS-M02-080507	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-M02-080507
West	M2	WS-M02-080507	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-M02-080507
West	M3	WS-M03-080507	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-M03-080507
West	M3	WS-M03-080507	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-M03-080507

PCBs results from 09/11/09 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West	M3	WS-M03-080507	AROCLOR 1254	0.03400	05/22/08	49981	Y	WS-M03-080507
West	M3	WS-M03-080507	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-M03-080507
West	M3	WS-M03-080507	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-M03-080507
West	M3	WS-M03-080507	AROCLOR 1232	0.01400	06/05/08	50261	N	DUP-8
West	M3	WS-M03-080507	AROCLOR 1260	0.00620	06/05/08	50261	N	DUP-8
West	M3	WS-M03-080507	AROCLOR 1254	0.08200	06/05/08	50261	Y	DUP-8
West	M3	WS-M03-080507	AROCLOR 1242	0.01000	06/05/08	50261	N	DUP-8
West	M3	WS-M03-080507	AROCLOR 1248	0.00920	06/05/08	50261	N	DUP-8
West	M4	WS-M04-080507	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-M04-080507
West	M4	WS-M04-080507	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-M04-080507
West	M4	WS-M04-080507	AROCLOR 1254	0.30000	05/22/08	49981	Y	WS-M04-080507
West	M4	WS-M04-080507	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-M04-080507
West	M4	WS-M04-080507	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-M04-080507
West	N1	WS-N01-080506	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-N01-080506
West	N1	WS-N01-080506	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-N01-080506
West	N1	WS-N01-080506	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-N01-080506
West	N1	WS-N01-080506	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-N01-080506
West	N1	WS-N01-080506	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-N01-080506
West	N2	WS-N02-080506	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-N02-080506
West	N2	WS-N02-080506	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-N02-080506
West	N2	WS-N02-080506	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-N02-080506
West	N2	WS-N02-080506	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-N02-080506
West	N2	WS-N02-080506	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-N02-080506
West	N3	WS-N03-080507	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-N03-080507
West	N3	WS-N03-080507	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-N03-080507
West	N3	WS-N03-080507	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-N03-080507
West	N3	WS-N03-080507	AROCLOR 1254	0.17000	05/22/08	49981	Y	WS-N03-080507
West	N3	WS-N03-080507	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-N03-080507
West	O1	WS-O01-080506	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-O01-080506
West	O1	WS-O01-080506	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-O01-080506
West	O1	WS-O01-080506	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-O01-080506
West	O1	WS-O01-080506	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-O01-080506
West	O1	WS-O01-080506	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-O01-080506
West	O2	WS-O02-080506	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-O02-080506
West	O2	WS-O02-080506	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-O02-080506
West	O2	WS-O02-080506	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-O02-080506
West	O2	WS-O02-080506	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-O02-080506
West	O2	WS-O02-080506	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-O02-080506

Table 4,4'DDE-1: 4,4' DDE Data Quality Summary

Laboratory Performance Criteria	Critera	Measured	Comment
Minimum LCS Recovery	greater than 50%	60%	
Minimum Matrix Spike Recovery	greater than 50%	63%	
Minimum Surrogate Recovery	greater than 50%	19%	Tetrachloro-m-xylene
Average LCS Recovery	N/A	95%	
Average Matrix Spike Recovery	N/A	88%	
Average Surrogate Recovery	N/A	80%	Decachlorobiphenyl
Maximum MSD RPD	less than 20%	18%	
Average MSD RPD	N/A	6%	
Measurement Quality Objectives	**Critera**	**Measured**	
NPS CRM	Recovery greater than.00987	Minimum Recovery =	0.0140 mg/kg
EQIS CRM	Recovery greater than 0.203	Minimum Recovery =	0.2400 mg/kg
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	168 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	14 %
Overall QC Indicator Measurements	**Criteria**	**Measured**	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	81.1 %
NPS Replicate Test (Precision measure)	None	Standard Deviation =	
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal	0.16 mg/kg		
Tier 2 Remediation Goal	None		
QC Derived Reliance Level	0.139 mg/kg	See Note 1	

Comments: Low surrogate recoveries (less than 50%) are associated with laboratory batches that did not include CVS samples and therefore do not suggest a low laboratory measurement bias for specific CVS samples. A low minimum LCS recovery (60%) accompanied by a high average LCS recovery (95%) indicates that an infrequent analysis problem may cause a bias towards low measurements. Low minimum and average matrix spike recoveries (63% and 88% respectively) indicate a potential bias towards low measured concentrations. High maximum RPD from CVS split analysis (168%) indicates imprecision for CVS samples having concentrations that are generally less than 1/10th the RG (0.16 mg/kg). Maximum CRM split analyses RPD (28%) indicates analyses of manufactured samples at a concentration that is approximately twice the RG is reasonably good. The derived reliance level is less than the RG (0.16 mg/kg) due primarily to measurement bias. No CVS samples exhibit 4,4'DDE concentrations above the derived reliance level. Therefore, confidence in decisions regarding achievement of the 4,4'DDE RG is not expected to be compromised by data quality problems. It is concluded that CVS 4,4'DDE measurements may be used to evaluate RG achievement.

Note 1: The standard deviation of EQIS CRM split analyses (0.026 mg/kg) is used to represent measurement imprecision near the RG and is used to calculate the derived reliance level (0.134 mg/kg).Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.16)(1.2)(.811)-(0.84)(0.026) = 0.134 mg/kg

Table 4,4'DDE-2: 4,4' DDE - NPS CRMs

Blind NPS CRM Results

Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 53	0.016	6/6/08	50341	Y
BO 50,55,58,72	0.017	6/23/08	50664	Y
BOR SAMPLES 76,79,82	0.016	7/13/08	51094	Y
BOR 102-96-99-105	0.018	7/15/08	51096	Y
BOR 101	0.015	7/21/08	51155	Y
BOR 103,97,100,106	0.014	7/21/08	51155	Y
BOR200	0.018	11/24/08	54432	Y
BOR201	0.017	11/24/08	54432	Y

CRMs		Vendor Supplied Information
Mean	0.01638	*Made to*
Standard Error	0.0005	*0.02020 mg/kg*
Median	0.0165	
Standard Deviation	0.00141	*Upper Acceptance Limit*
Sample Variance	2E-06	*0.02500 mg/kg*
Kurtosis	-0.56	
Skewness	-0.48	*Lower Acceptance Limit*
Range	0.0040	*0.00987 mg/kg*
Minimum	0.0140	
Maximum	0.0180	
Sum	0.131	
Count	8	
Largest(2)	0.0180	
Smallest(2)	0.0150	

Table 4,4'DDE-3: 4,4' DDE NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 500	0.0010	6/6/08	50341	WS-F01-080429	0.0003	5/28/2008	105
BOR 501	0.0003	6/7/08	50342	WS-L04-080508	0.0003	6/13/2008	
BOR 505	0.0040	6/23/08	50664	WS-K03-080509	0.0041	6/6/2008	2
BOR 506	0.0003	6/30/08	50839	ES-S10-080523	0.0003	6/7/2008	
BOR 504	0.0003	7/13/08	51094	ES-M05-080527	0.0003	6/7/2008	
BOR 507	0.0003	7/15/08	51096	ES-O09-080610	0.0003	6/30/2008	
BOR 502	0.0003	7/21/08	51155	WS-F05-080612	0.0003	7/13/2008	
BOR 508	0.0003	7/21/08	51155	ES-Q11-080606	0.0003	6/27/2008	
BOR 509	0.0003	7/21/08	51155	WS-E06-080613	0.0003	7/21/2008	
BOR 510	0.0003	7/21/08	51155	OU-8HR-080605	0.0003	6/27/2008	
DUP-1	0.0003	5/28/08	49894	WS-E02-080428	0.0003	5/28/2008	
DUP-2	0.0003	5/28/08	49894	WS-D02-080429	0.0003	5/28/2008	
DUP-3	0.0031	6/6/08	50167	WS-C01-080501	0.002	5/28/2008	43
DUP-4	0.0010	6/6/08	50167	WS-G01-080501	0.0041	5/28/2008	122
DUP-5	0.0021	6/6/08	50167	WS-I01-080501	0.0021	5/29/2008	0
DUP-7	0.0052	6/6/08	50167	WS-M01-080505	0.0052	5/29/2008	0
DUP-8	0.0072	6/7/08	50342	WS-M03-080507	0.0041	5/29/2008	55
DUP-6	0.0062	6/13/08	50463	WS-J01-080505	0.0082	5/29/2008	28
DUP-9	0.0003	6/13/08	50463	WS-L04-080508	0.0003	6/13/2008	
DUP-10	0.0003	6/23/08	50664	WS-K04-080513	0.0003	6/6/2008	
DUP-12	0.0003	6/27/08	50808	ES-P06-080515	0.0003	6/6/2008	
DUP-11	0.0003	6/30/08	50703	ES-J03-080513	0.0003	6/6/2008	
DUP-14	0.0003	6/30/08	50839	ES-T10-080523	0.0003	6/7/2008	
DUP-15	0.0003	6/30/08	50839	ES-J02-080527	0.0003	6/7/2008	
DUP-13	0.0003	7/1/08	50808	ES-T08-080522	0.0003	6/7/2008	
DUP-16	0.0003	7/14/08	51095	ES-P04-080528	0.0003	6/13/2008	
DUP-17	0.0036	7/14/08	51095	ES-F01-080529	0.0003	6/21/2008	168
DUP-18	0.0003	7/15/08	51096	ES-J04-080530	0.0031	6/23/2008	164
DUP-19	0.0003	7/21/08	51155	ES-K05-080605	0.0003	6/27/2008	
DUP 22	0.0014	12/11/08	54815	WS-H05-081110	0.0014	12/11/2008	3
DUP 24	0.0009	12/30/08	55050	ES-K07-081112	0.0029	11/24/2008	105

RPD of Sample Splits	
Mean	66.3
Standard Error	18.5
Median	49.0
Standard Deviation	63.9
Sample Variance	4085.3
Kurtosis	-1.3
Skewness	0.5
Range	168.0
Minimum	0.0
Maximum	168.0
Sum	795.1
Count	12.0
Largest(2)	163.6
Smallest(2)	0.0

[ ] Below reporting limit. Reporting limit shown.