PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	O8	ES-O08-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-O08-080530
East Site	O8	ES-O08-080530	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-O08-080530
East Site	O8	ES-O08-080530	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-O08-080530
East Site	O9	ES-O09-080610	AROCLOR 1254	0.21000	06/27/08	50810	Y	ES-O09-080610
East Site	O9	ES-O09-080610	AROCLOR 1242	0.15000	06/27/08	50810	Y	ES-O09-080610
East Site	O9	ES-O09-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-O09-080610
East Site	O9	ES-O09-080610	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-O09-080610
East Site	O9	ES-O09-080610	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-O09-080610
East Site	O9	ES-O09-092309	AROCLOR 1242	0.01000	10/06/09	61828	N	ES-O09-092309
East Site	O9	ES-O09-092309	AROCLOR 1232	0.01400	10/06/09	61828	N	ES-O09-092309
East Site	O9	ES-O09-092309	AROCLOR 1254	0.05500	10/06/09	61828	Y	ES-O09-092309
East Site	O9	ES-O09-092309	AROCLOR 1260	0.00610	10/06/09	61828	N	ES-O09-092309
East Site	O9	ES-O09-092309	AROCLOR 1248	0.00920	10/06/09	61828	N	ES-O09-092309
East Site	O10	ES-O10-080611	AROCLOR 1248	0.00910	06/27/08	50838	N	ES-O10-080611
East Site	O10	ES-O10-080611	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-O10-080611
East Site	O10	ES-O10-080611	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-O10-080611
East Site	O10	ES-O10-080611	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-O10-080611
East Site	O10	ES-O10-080611	AROCLOR 1254	0.18000	06/27/08	50838	Y	ES-O10-080611
East Site	O10	ES-O10-092309	AROCLOR 1242	0.01000	10/12/09	61828	N	ES-O10-092309
East Site	O10	ES-O10-092309	AROCLOR 1254	0.00300	10/12/09	61828	N	ES-O10-092309
East Site	O10	ES-O10-092309	AROCLOR 1260	0.00610	10/12/09	61828	N	ES-O10-092309
East Site	O10	ES-O10-092309	AROCLOR 1232	0.01400	10/12/09	61828	N	ES-O10-092309
East Site	O10	ES-O10-092309	AROCLOR 1248	0.00910	10/12/09	61828	N	ES-O10-092309
East Site	P4	ES-P04-080528	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-P04-080528
East Site	P4	ES-P04-080528	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-P04-080528
East Site	P4	ES-P04-080528	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-P04-080528
East Site	P4	ES-P04-080528	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-P04-080528
East Site	P4	ES-P04-080528	AROCLOR 1242	0.01700	06/05/08	50293	Y	ES-P04-080528
East Site	P4	ES-P04-080528	AROCLOR 1254	0.00310	07/09/08	50949	N	DUP-16
East Site	P4	ES-P04-080528	AROCLOR 1232	0.01400	07/09/08	50949	N	DUP-16
East Site	P4	ES-P04-080528	AROCLOR 1248	0.00930	07/09/08	50949	N	DUP-16
East Site	P4	ES-P04-080528	AROCLOR 1242	0.01000	07/09/08	50949	N	DUP-16
East Site	P4	ES-P04-080528	AROCLOR 1260	0.00620	07/09/08	50949	N	DUP-16
East Site	P5	ES-P05-080513	AROCLOR 1242	0.01000	06/03/08	50226	N	ES-P05-080513
East Site	P5	ES-P05-080513	AROCLOR 1254	0.00310	06/03/08	50226	N	ES-P05-080513
East Site	P5	ES-P05-080513	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-P05-080513
East Site	P5	ES-P05-080513	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-P05-080513
East Site	P5	ES-P05-080513	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-P05-080513
East Site	P6	ES-P06-080515	AROCLOR 1260	0.00612	06/03/08	50226	N	ES-P06-080515
East Site	P6	ES-P06-080515	AROCLOR 1242	0.07400	06/03/08	50226	Y	ES-P06-080515
East Site	P6	ES-P06-080515	AROCLOR 1254	0.00310	06/03/08	50226	N	ES-P06-080515
East Site	P6	ES-P06-080515	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-P06-080515
East Site	P6	ES-P06-080515	AROCLOR 1248	0.00920	06/03/08	50226	N	ES-P06-080515
East Site	P6	ES-P06-080515	AROCLOR 1248	0.00920	06/27/08	50810	N	DUP-12
East Site	P6	ES-P06-080515	AROCLOR 1232	0.01400	06/27/08	50810	N	DUP-12

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	P6	ES-P06-080515	AROCLOR 1254	0.00310	06/27/08	50810	N	DUP-12
East Site	P6	ES-P06-080515	AROCLOR 1260	0.00610	06/27/08	50810	N	DUP-12
East Site	P6	ES-P06-080515	AROCLOR 1242	0.05800	06/27/08	50810	Y	DUP-12
East Site	P7	ES-P07-080519	AROCLOR 1242	4.20000	06/04/08	50226	Y	ES-P07-080519
East Site	P7	ES-P07-080519	AROCLOR 1248	0.09200	06/04/08	50226	N	ES-P07-080519
East Site	P7	ES-P07-080519	AROCLOR 1232	0.14000	06/04/08	50226	N	ES-P07-080519
East Site	P7	ES-P07-080519	AROCLOR 1260	0.06100	06/04/08	50226	N	ES-P07-080519
East Site	P7	ES-P07-080519	AROCLOR 1254	0.03100	06/04/08	50226	N	ES-P07-080519
East Site	P7	ES-P07-080519	AROCLOR 1254	0.00310	07/24/08	51426	N	ES-P07-080519
East Site	P7	ES-P07-080519	AROCLOR 1248	0.00920	07/24/08	51426	N	ES-P07-080519
East Site	P7	ES-P07-080519	AROCLOR 1260	0.36000	07/24/08	51426	Y	ES-P07-080519
East Site	P7	ES-P07-080519	AROCLOR 1232	0.01400	07/24/08	51426	N	ES-P07-080519
East Site	P7	ES-P07-080519	AROCLOR 1242	4.30000	07/28/08	51426	Y	ES-P07-080519
East Site	P7	ES-P07-091022	AROCLOR 1260	0.12000	11/04/09	62658	N	ES-P07-091022
East Site	P7	ES-P07-091022	AROCLOR 1254	0.06100	11/04/09	62658	N	ES-P07-091022
East Site	P7	ES-P07-091022	AROCLOR 1232	0.28000	11/04/09	62658	N	ES-P07-091022
East Site	P7	ES-P07-091022	AROCLOR 1248	0.18000	11/04/09	62658	N	ES-P07-091022
East Site	P7	ES-P07-091022	AROCLOR 1242	8.90000	11/04/09	62658	Y	ES-P07-091022
East Site	P7	ES-P07-100224	AROCLOR 1254	0.00300	03/05/10	65023	N	ES-P07-100224
East Site	P7	ES-P07-100224	AROCLOR 1232	0.01400	03/05/10	65023	N	ES-P07-100224
East Site	P7	ES-P07-100224	AROCLOR 1248	0.00910	03/05/10	65023	N	ES-P07-100224
East Site	P7	ES-P07-100224	AROCLOR 1260	0.52000	03/05/10	65023	Y	ES-P07-100224
East Site	P7	ES-P07-100224	AROCLOR 1242	16.00000	03/10/10	65023	Y	ES-P07-100224
East Site	P7	ES-P07-100506	AROCLOR 1254	1.50000	05/18/10	66792	N	ES-P07-100506
East Site	P7	ES-P07-100506	AROCLOR 1260	2.00000	05/18/10	66792	Y	ES-P07-100506
East Site	P7	ES-P07-100506	AROCLOR 1232	7.10000	05/18/10	66792	N	ES-P07-100506
East Site	P7	ES-P07-100506	AROCLOR 1248	4.60000	05/18/10	66792	N	ES-P07-100506
East Site	P7	ES-P07-100506	AROCLOR 1242	78.00000	05/18/10	66792	Y	ES-P07-100506
East Site	P7	ES-P07-100611	AROCLOR 1254	0.00310	06/18/10	67700	N	ES-P07-100611
East Site	P7	ES-P07-100611	AROCLOR 1242	0.01000	06/18/10	67700	N	ES-P07-100611
East Site	P7	ES-P07-100611	AROCLOR 1248	0.00920	06/18/10	67700	N	ES-P07-100611
East Site	P7	ES-P07-100611	AROCLOR 1232	0.01400	06/18/10	67700	N	ES-P07-100611
East Site	P7	ES-P07-100611	AROCLOR 1260	0.00610	06/18/10	67700	N	ES-P07-100611
East Site	P8	ES-P08-080530	AROCLOR 1242	0.05000	06/13/08	50461	Y	ES-P08-080530
East Site	P8	ES-P08-080530	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-P08-080530
East Site	P8	ES-P08-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-P08-080530
East Site	P8	ES-P08-080530	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-P08-080530
East Site	P8	ES-P08-080530	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-P08-080530
East Site	P10	ES-P10-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-P10-080606
East Site	P10	ES-P10-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-P10-080606
East Site	P10	ES-P10-080606	AROCLOR 1260	0.00620	06/27/08	50603	N	ES-P10-080606
East Site	P10	ES-P10-080606	AROCLOR 1254	0.05200	06/27/08	50603	Y	ES-P10-080606
East Site	P10	ES-P10-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-P10-080606
East Site	P11	ES-P11-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-P11-080606
East Site	P11	ES-P11-080606	AROCLOR 1260	0.04100	06/27/08	50603	Y	ES-P11-080606

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	P11	ES-P11-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-P11-080606
East Site	P11	ES-P11-080606	AROCLOR 1254	0.00310	06/27/08	50603	N	ES-P11-080606
East Site	P11	ES-P11-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-P11-080606
East Site	Q5	ES-Q05-080520	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-Q05-080520
East Site	Q5	ES-Q05-080520	AROCLOR 1242	0.13000	06/05/08	50293	Y	ES-Q05-080520
East Site	Q5	ES-Q05-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-Q05-080520
East Site	Q5	ES-Q05-080520	AROCLOR 1254	0.11000	06/05/08	50293	Y	ES-Q05-080520
East Site	Q5	ES-Q05-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-Q05-080520
East Site	Q5	ES-Q05-090320	AROCLOR 1248	0.00920	04/06/09	56714	N	ES-Q05-090320
East Site	Q5	ES-Q05-090320	AROCLOR 1242	0.06300	04/06/09	56714	Y	ES-Q05-090320
East Site	Q5	ES-Q05-090320	AROCLOR 1260	0.00610	04/06/09	56714	N	ES-Q05-090320
East Site	Q5	ES-Q05-090320	AROCLOR 1254	0.05500	04/06/09	56714	Y	ES-Q05-090320
East Site	Q5	ES-Q05-090320	AROCLOR 1232	0.01400	04/06/09	56714	N	ES-Q05-090320
East Site	Q6	ES-Q06-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-Q06-080520
East Site	Q6	ES-Q06-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-Q06-080520
East Site	Q6	ES-Q06-080520	AROCLOR 1242	0.19000	06/05/08	50293	Y	ES-Q06-080520
East Site	Q6	ES-Q06-080520	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-Q06-080520
East Site	Q6	ES-Q06-080520	AROCLOR 1254	0.05700	06/05/08	50293	Y	ES-Q06-080520
East Site	Q6	ES-Q06-091021	AROCLOR 1248	0.00920	11/04/09	62658	N	ES-Q06-091021
East Site	Q6	ES-Q06-091021	AROCLOR 1242	0.01000	11/04/09	62658	N	ES-Q06-091021
East Site	Q6	ES-Q06-091021	AROCLOR 1260	0.00610	11/04/09	62658	N	ES-Q06-091021
East Site	Q6	ES-Q06-091021	AROCLOR 1232	0.01400	11/04/09	62658	N	ES-Q06-091021
East Site	Q6	ES-Q06-091021	AROCLOR 1254	0.00310	11/04/09	62658	N	ES-Q06-091021
East Site	Q7	ES-Q07-080519	AROCLOR 1248	0.04600	06/04/08	50226	N	ES-Q07-080519
East Site	Q7	ES-Q07-080519	AROCLOR 1260	0.03100	06/04/08	50226	N	ES-Q07-080519
East Site	Q7	ES-Q07-080519	AROCLOR 1254	0.01500	06/04/08	50226	N	ES-Q07-080519
East Site	Q7	ES-Q07-080519	AROCLOR 1232	0.07100	06/04/08	50226	N	ES-Q07-080519
East Site	Q7	ES-Q07-080519	AROCLOR 1242	2.24000	06/04/08	50226	Y	ES-Q07-080519
East Site	Q7	ES-Q07-091021	AROCLOR 1260	0.00610	11/04/09	62658	N	ES-Q07-091021
East Site	Q7	ES-Q07-091021	AROCLOR 1232	0.01400	11/04/09	62658	N	ES-Q07-091021
East Site	Q7	ES-Q07-091021	AROCLOR 1248	0.00920	11/04/09	62658	N	ES-Q07-091021
East Site	Q7	ES-Q07-091021	AROCLOR 1242	0.01000	11/04/09	62658	N	ES-Q07-091021
East Site	Q7	ES-Q07-091021	AROCLOR 1254	0.00310	11/04/09	62658	N	ES-Q07-091021
East Site	Q8	ES-Q08-080519	AROCLOR 1242	0.56000	06/03/08	50226	Y	ES-Q08-080519
East Site	Q8	ES-Q08-080519	AROCLOR 1248	0.00910	06/03/08	50226	N	ES-Q08-080519
East Site	Q8	ES-Q08-080519	AROCLOR 1254	0.27000	06/03/08	50226	Y	ES-Q08-080519
East Site	Q8	ES-Q08-080519	AROCLOR 1260	0.00610	06/03/08	50226	N	ES-Q08-080519
East Site	Q8	ES-Q08-080519	AROCLOR 1232	0.01400	06/03/08	50226	N	ES-Q08-080519
East Site	Q8	ES-Q08-091021	AROCLOR 1242	0.01000	11/04/09	62658	N	ES-Q08-091021
East Site	Q8	ES-Q08-091021	AROCLOR 1248	0.00920	11/04/09	62658	N	ES-Q08-091021
East Site	Q8	ES-Q08-091021	AROCLOR 1232	0.01400	11/04/09	62658	N	ES-Q08-091021
East Site	Q8	ES-Q08-091021	AROCLOR 1254	0.00310	11/04/09	62658	N	ES-Q08-091021
East Site	Q8	ES-Q08-091021	AROCLOR 1260	0.00610	11/04/09	62658	N	ES-Q08-091021
East Site	Q9	ES-Q09-080612	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-Q09-080612
East Site	Q9	ES-Q09-080612	AROCLOR 1242	0.01800	06/27/08	50838	Y	ES-Q09-080612

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	Q9	ES-Q09-080612	AROCLOR 1254	0.01400	06/27/08	50838	Y	ES-Q09-080612
East Site	Q9	ES-Q09-080612	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-Q09-080612
East Site	Q9	ES-Q09-080612	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-Q09-080612
East Site	Q10	ES-Q10-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-Q10-080606
East Site	Q10	ES-Q10-080606	AROCLOR 1260	0.00620	06/27/08	50603	N	ES-Q10-080606
East Site	Q10	ES-Q10-080606	AROCLOR 1254	0.00310	06/27/08	50603	N	ES-Q10-080606
East Site	Q10	ES-Q10-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-Q10-080606
East Site	Q10	ES-Q10-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-Q10-080606
East Site	Q11	ES-Q11-080606	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-Q11-080606
East Site	Q11	ES-Q11-080606	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-Q11-080606
East Site	Q11	ES-Q11-080606	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-Q11-080606
East Site	Q11	ES-Q11-080606	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-Q11-080606
East Site	Q11	ES-Q11-080606	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-Q11-080606
East Site	Q17	ES-Q17-080609	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-Q17-080609
East Site	Q17	ES-Q17-080609	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-Q17-080609
East Site	Q17	ES-Q17-080609	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-Q17-080609
East Site	Q17	ES-Q17-080609	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-Q17-080609
East Site	Q17	ES-Q17-080609	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-Q17-080609
East Site	R5	ES-R05-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-R05-080521
East Site	R5	ES-R05-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-R05-080521
East Site	R5	ES-R05-080521	AROCLOR 1254	0.06800	06/05/08	50293	Y	ES-R05-080521
East Site	R5	ES-R05-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-R05-080521
East Site	R5	ES-R05-080521	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-R05-080521
East Site	R6	ES-R06-080521	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-R06-080521
East Site	R6	ES-R06-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-R06-080521
East Site	R6	ES-R06-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-R06-080521
East Site	R6	ES-R06-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-R06-080521
East Site	R6	ES-R06-080521	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-R06-080521
East Site	R7	ES-R07-080521	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-R07-080521
East Site	R7	ES-R07-080521	AROCLOR 1260	0.00620	06/05/08	50293	N	ES-R07-080521
East Site	R7	ES-R07-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-R07-080521
East Site	R7	ES-R07-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-R07-080521
East Site	R7	ES-R07-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-R07-080521
East Site	R8	ES-R08-080519	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-R08-080519
East Site	R8	ES-R08-080519	AROCLOR 1254	0.18000	06/05/08	50293	Y	ES-R08-080519
East Site	R8	ES-R08-080519	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-R08-080519
East Site	R8	ES-R08-080519	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-R08-080519
East Site	R8	ES-R08-080519	AROCLOR 1242	0.44000	06/05/08	50293	Y	ES-R08-080519
East Site	R8	ES-R08-091021	AROCLOR 1242	0.01000	11/05/09	62658	N	ES-R08-091021
East Site	R8	ES-R08-091021	AROCLOR 1260	0.00610	11/05/09	62658	N	ES-R08-091021
East Site	R8	ES-R08-091021	AROCLOR 1254	0.00310	11/05/09	62658	N	ES-R08-091021
East Site	R8	ES-R08-091021	AROCLOR 1232	0.01400	11/05/09	62658	N	ES-R08-091021
East Site	R8	ES-R08-091021	AROCLOR 1248	0.00920	11/05/09	62658	N	ES-R08-091021
East Site	R8	ES-R08-091021	AROCLOR 1254	0.00300	01/15/10	64176	N	DUP-46
East Site	R8	ES-R08-091021	AROCLOR 1248	0.00910	01/15/10	64176	N	DUP-46

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	R8	ES-R08-091021	AROCLOR 1242	0.01000	01/15/10	64176	N	DUP-46
East Site	R8	ES-R08-091021	AROCLOR 1260	0.00610	01/15/10	64176	N	DUP-46
East Site	R8	ES-R08-091021	AROCLOR 1232	0.01400	01/15/10	64176	N	DUP-46
East Site	R9	ES-R09-080520	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-R09-080520
East Site	R9	ES-R09-080520	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-R09-080520
East Site	R9	ES-R09-080520	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-R09-080520
East Site	R9	ES-R09-080520	AROCLOR 1260	0.00620	06/05/08	50293	N	ES-R09-080520
East Site	R9	ES-R09-080520	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-R09-080520
East Site	R10	ES-R10-080602	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-R10-080602
East Site	R10	ES-R10-080602	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-R10-080602
East Site	R10	ES-R10-080602	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-R10-080602
East Site	R10	ES-R10-080602	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-R10-080602
East Site	R10	ES-R10-080602	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-R10-080602
East Site	R11	ES-R11-080605	AROCLOR 1254	0.00310	06/26/08	50603	N	ES-R11-080605
East Site	R11	ES-R11-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-R11-080605
East Site	R11	ES-R11-080605	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-R11-080605
East Site	R11	ES-R11-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-R11-080605
East Site	R11	ES-R11-080605	AROCLOR 1248	0.00930	06/26/08	50603	N	ES-R11-080605
East Site	R12	ES-R12-080611	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-R12-080611
East Site	R12	ES-R12-080611	AROCLOR 1254	0.00310	06/27/08	50838	N	ES-R12-080611
East Site	R12	ES-R12-080611	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-R12-080611
East Site	R12	ES-R12-080611	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-R12-080611
East Site	R12	ES-R12-080611	AROCLOR 1260	0.00620	06/27/08	50838	N	ES-R12-080611
East Site	R16	ES-R16-080605	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-R16-080605
East Site	R16	ES-R16-080605	AROCLOR 1260	0.00610	06/26/08	50603	N	ES-R16-080605
East Site	R16	ES-R16-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-R16-080605
East Site	R16	ES-R16-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-R16-080605
East Site	R16	ES-R16-080605	AROCLOR 1254	0.02700	06/26/08	50603	Y	ES-R16-080605
East Site	R17	ES-R17-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-R17-080606
East Site	R17	ES-R17-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-R17-080606
East Site	R17	ES-R17-080606	AROCLOR 1260	0.00610	06/27/08	50603	N	ES-R17-080606
East Site	R17	ES-R17-080606	AROCLOR 1254	0.01100	06/27/08	50603	Y	ES-R17-080606
East Site	R17	ES-R17-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-R17-080606
East Site	S5	ES-S05-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-S05-080521
East Site	S5	ES-S05-080521	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-S05-080521
East Site	S5	ES-S05-080521	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-S05-080521
East Site	S5	ES-S05-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-S05-080521
East Site	S5	ES-S05-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-S05-080521
East Site	S6	ES-S06-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-S06-080521
East Site	S6	ES-S06-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-S06-080521
East Site	S6	ES-S06-080521	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-S06-080521
East Site	S6	ES-S06-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-S06-080521
East Site	S6	ES-S06-080521	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-S06-080521
East Site	S7	ES-S07-080521	AROCLOR 1248	0.00920	06/05/08	50293	N	ES-S07-080521
East Site	S7	ES-S07-080521	AROCLOR 1254	0.00310	06/05/08	50293	N	ES-S07-080521

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	S7	ES-S07-080521	AROCLOR 1232	0.01400	06/05/08	50293	N	ES-S07-080521
East Site	S7	ES-S07-080521	AROCLOR 1260	0.00610	06/05/08	50293	N	ES-S07-080521
East Site	S7	ES-S07-080521	AROCLOR 1242	0.01000	06/05/08	50293	N	ES-S07-080521
East Site	S8	ES-S08-080522	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-S08-080522
East Site	S8	ES-S08-080522	AROCLOR 1254	0.11000	06/05/08	50261	Y	ES-S08-080522
East Site	S8	ES-S08-080522	AROCLOR 1242	0.15000	06/05/08	50261	Y	ES-S08-080522
East Site	S8	ES-S08-080522	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-S08-080522
East Site	S8	ES-S08-080522	AROCLOR 1248	0.00910	06/05/08	50261	N	ES-S08-080522
East Site	S8	ES-S08-090319	AROCLOR 1242	0.19000	04/06/09	56714	Y	ES-S08-090319
East Site	S8	ES-S08-090319	AROCLOR 1254	0.07600	04/06/09	56714	Y	ES-S08-090319
East Site	S8	ES-S08-090319	AROCLOR 1232	0.01400	04/06/09	56714	N	ES-S08-090319
East Site	S8	ES-S08-090319	AROCLOR 1248	0.00910	04/06/09	56714	N	ES-S08-090319
East Site	S8	ES-S08-090319	AROCLOR 1260	0.00610	04/06/09	56714	N	ES-S08-090319
East Site	S8	ES-S08-091015	AROCLOR 1242	0.01000	10/29/09	62512	N	ES-S08-091015
East Site	S8	ES-S08-091015	AROCLOR 1248	0.00920	10/29/09	62512	N	ES-S08-091015
East Site	S8	ES-S08-091015	AROCLOR 1232	0.01400	10/29/09	62512	N	ES-S08-091015
East Site	S8	ES-S08-091015	AROCLOR 1254	0.00310	10/29/09	62512	N	ES-S08-091015
East Site	S8	ES-S08-091015	AROCLOR 1260	0.00620	10/29/09	62512	N	ES-S08-091015
East Site	S9	ES-S09-080522	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-S09-080522
East Site	S9	ES-S09-080522	AROCLOR 1242	0.01700	06/05/08	50261	Y	ES-S09-080522
East Site	S9	ES-S09-080522	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-S09-080522
East Site	S9	ES-S09-080522	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-S09-080522
East Site	S9	ES-S09-080522	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-S09-080522
East Site	S10	ES-S10-080523	AROCLOR 1260	0.00610	06/04/08	50261	N	ES-S10-080523
East Site	S10	ES-S10-080523	AROCLOR 1248	0.00920	06/04/08	50261	N	ES-S10-080523
East Site	S10	ES-S10-080523	AROCLOR 1242	0.01000	06/04/08	50261	N	ES-S10-080523
East Site	S10	ES-S10-080523	AROCLOR 1232	0.01400	06/04/08	50261	N	ES-S10-080523
East Site	S10	ES-S10-080523	AROCLOR 1254	0.00310	06/04/08	50261	N	ES-S10-080523
East Site	S11	ES-S11-080528	AROCLOR 1260	0.00620	06/05/08	50261	N	ES-S11-080528
East Site	S11	ES-S11-080528	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-S11-080528
East Site	S11	ES-S11-080528	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-S11-080528
East Site	S11	ES-S11-080528	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-S11-080528
East Site	S11	ES-S11-080528	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-S11-080528
East Site	S12	ES-S12-080609	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-S12-080609
East Site	S12	ES-S12-080609	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-S12-080609
East Site	S12	ES-S12-080609	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-S12-080609
East Site	S12	ES-S12-080609	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-S12-080609
East Site	S12	ES-S12-080609	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-S12-080609
East Site	S13	ES-S13-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-S13-080610
East Site	S13	ES-S13-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-S13-080610
East Site	S13	ES-S13-080610	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-S13-080610
East Site	S13	ES-S13-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-S13-080610
East Site	S13	ES-S13-080610	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-S13-080610
East Site	S17	ES-S17-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-S17-080606
East Site	S17	ES-S17-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-S17-080606

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	S17	ES-S17-080606	AROCLOR 1260	0.00620	06/27/08	50603	N	ES-S17-080606
East Site	S17	ES-S17-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-S17-080606
East Site	S17	ES-S17-080606	AROCLOR 1254	0.26000	06/27/08	50603	Y	ES-S17-080606
East Site	S17	ES-S17-090910	AROCLOR 1232	0.01400	09/21/09	61405	N	ES-S17-090910
East Site	S17	ES-S17-090910	AROCLOR 1254	0.04000	09/21/09	61405	Y	ES-S17-090910
East Site	S17	ES-S17-090910	AROCLOR 1260	0.00620	09/21/09	61405	N	ES-S17-090910
East Site	S17	ES-S17-090910	AROCLOR 1248	0.00930	09/21/09	61405	N	ES-S17-090910
East Site	S17	ES-S17-090910	AROCLOR 1242	0.01000	09/21/09	61405	N	ES-S17-090910
East Site	S17	ES-S17-090910	AROCLOR 1254	0.02700	10/06/09	61828	Y	DUP-37
East Site	S17	ES-S17-090910	AROCLOR 1232	0.01500	10/06/09	61828	N	DUP-37
East Site	S17	ES-S17-090910	AROCLOR 1248	0.00930	10/06/09	61828	N	DUP-37
East Site	S17	ES-S17-090910	AROCLOR 1242	0.01000	10/06/09	61828	N	DUP-37
East Site	S17	ES-S17-090910	AROCLOR 1260	0.00620	10/06/09	61828	N	DUP-37
East Site	S18	ES-S18-080606	AROCLOR 1242	0.01000	06/27/08	50603	N	ES-S18-080606
East Site	S18	ES-S18-080606	AROCLOR 1248	0.00920	06/27/08	50603	N	ES-S18-080606
East Site	S18	ES-S18-080606	AROCLOR 1260	0.00610	06/27/08	50603	N	ES-S18-080606
East Site	S18	ES-S18-080606	AROCLOR 1254	0.00310	06/27/08	50603	N	ES-S18-080606
East Site	S18	ES-S18-080606	AROCLOR 1232	0.01400	06/27/08	50603	N	ES-S18-080606
East Site	T7	ES-T07-080612	AROCLOR 1260	0.00610	06/27/08	50838	N	ES-T07-080612
East Site	T7	ES-T07-080612	AROCLOR 1232	0.01400	06/27/08	50838	N	ES-T07-080612
East Site	T7	ES-T07-080612	AROCLOR 1248	0.00920	06/27/08	50838	N	ES-T07-080612
East Site	T7	ES-T07-080612	AROCLOR 1254	0.00310	06/27/08	50838	N	ES-T07-080612
East Site	T7	ES-T07-080612	AROCLOR 1242	0.01000	06/27/08	50838	N	ES-T07-080612
East Site	T8	ES-T08-080522	AROCLOR 1260	0.00610	06/04/08	50261	N	ES-T08-080522
East Site	T8	ES-T08-080522	AROCLOR 1248	0.00910	06/04/08	50261	N	ES-T08-080522
East Site	T8	ES-T08-080522	AROCLOR 1232	0.01400	06/04/08	50261	N	ES-T08-080522
East Site	T8	ES-T08-080522	AROCLOR 1242	0.01000	06/04/08	50261	N	ES-T08-080522
East Site	T8	ES-T08-080522	AROCLOR 1254	0.00300	06/04/08	50261	N	ES-T08-080522
East Site	T8	ES-T08-080522	AROCLOR 1254	0.00310	06/27/08	50838	N	DUP-13
East Site	T8	ES-T08-080522	AROCLOR 1248	0.00920	06/27/08	50838	N	DUP-13
East Site	T8	ES-T08-080522	AROCLOR 1242	0.03100	06/27/08	50838	Y	DUP-13
East Site	T8	ES-T08-080522	AROCLOR 1232	0.01400	06/27/08	50838	N	DUP-13
East Site	T8	ES-T08-080522	AROCLOR 1260	0.00610	06/27/08	50838	N	DUP-13
East Site	T9	ES-T09-080522	AROCLOR 1254	0.03300	06/05/08	50261	Y	ES-T09-080522
East Site	T9	ES-T09-080522	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-T09-080522
East Site	T9	ES-T09-080522	AROCLOR 1242	0.09000	06/05/08	50261	Y	ES-T09-080522
East Site	T9	ES-T09-080522	AROCLOR 1248	0.00910	06/05/08	50261	N	ES-T09-080522
East Site	T9	ES-T09-080522	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-T09-080522
East Site	T9	ES-T09-081112	AROCLOR 1260	0.00610	11/25/08	54430	N	ES-T09-081112
East Site	T9	ES-T09-081112	AROCLOR 1248	0.00910	11/25/08	54430	N	ES-T09-081112
East Site	T9	ES-T09-081112	AROCLOR 1232	0.01400	11/25/08	54430	N	ES-T09-081112
East Site	T9	ES-T09-081112	AROCLOR 1242	0.01000	11/25/08	54430	N	ES-T09-081112
East Site	T9	ES-T09-081112	AROCLOR 1254	0.00710	11/26/08	54430	Y	ES-T09-081112
East Site	T10	ES-T10-080523	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-T10-080523
East Site	T10	ES-T10-080523	AROCLOR 1242	0.03100	06/05/08	50261	Y	ES-T10-080523

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	T10	ES-T10-080523	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-T10-080523
East Site	T10	ES-T10-080523	AROCLOR 1254	0.03000	06/05/08	50261	Y	ES-T10-080523
East Site	T10	ES-T10-080523	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-T10-080523
East Site	T10	ES-T10-080523	AROCLOR 1254	0.03700	06/27/08	50838	Y	DUP-14
East Site	T10	ES-T10-080523	AROCLOR 1260	0.00610	06/27/08	50838	N	DUP-14
East Site	T10	ES-T10-080523	AROCLOR 1248	0.00920	06/27/08	50838	N	DUP-14
East Site	T10	ES-T10-080523	AROCLOR 1232	0.01400	06/27/08	50838	N	DUP-14
East Site	T10	ES-T10-080523	AROCLOR 1242	0.04000	06/27/08	50838	Y	DUP-14
East Site	T11	ES-T11-080530	AROCLOR 1260	0.00620	06/13/08	50461	N	ES-T11-080530
East Site	T11	ES-T11-080530	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-T11-080530
East Site	T11	ES-T11-080530	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-T11-080530
East Site	T11	ES-T11-080530	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-T11-080530
East Site	T11	ES-T11-080530	AROCLOR 1248	0.00930	06/13/08	50461	N	ES-T11-080530
East Site	T12	ES-T12-080609	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-T12-080609
East Site	T12	ES-T12-080609	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-T12-080609
East Site	T12	ES-T12-080609	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-T12-080609
East Site	T12	ES-T12-080609	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-T12-080609
East Site	T12	ES-T12-080609	AROCLOR 1248	0.00930	06/27/08	50810	N	ES-T12-080609
East Site	T13	ES-T13-080609	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-T13-080609
East Site	T13	ES-T13-080609	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-T13-080609
East Site	T13	ES-T13-080609	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-T13-080609
East Site	T13	ES-T13-080609	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-T13-080609
East Site	T13	ES-T13-080609	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-T13-080609
East Site	T14	ES-T14-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-T14-080610
East Site	T14	ES-T14-080610	AROCLOR 1260	0.00620	06/27/08	50810	N	ES-T14-080610
East Site	T14	ES-T14-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-T14-080610
East Site	T14	ES-T14-080610	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-T14-080610
East Site	T14	ES-T14-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-T14-080610
East Site	U10	ES-U10-080523	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-U10-080523
East Site	U10	ES-U10-080523	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-U10-080523
East Site	U10	ES-U10-080523	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-U10-080523
East Site	U10	ES-U10-080523	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-U10-080523
East Site	U10	ES-U10-080523	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-U10-080523
East Site	U11	ES-U11-080602	AROCLOR 1254	0.00310	06/26/08	50603	N	ES-U11-080602
East Site	U11	ES-U11-080602	AROCLOR 1260	0.00610	06/26/08	50603	N	ES-U11-080602
East Site	U11	ES-U11-080602	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-U11-080602
East Site	U11	ES-U11-080602	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-U11-080602
East Site	U11	ES-U11-080602	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-U11-080602
East Site	U13	ES-U13-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-U13-080610
East Site	U13	ES-U13-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-U13-080610
East Site	U13	ES-U13-080610	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-U13-080610
East Site	U13	ES-U13-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-U13-080610
East Site	U13	ES-U13-080610	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-U13-080610
East Site	U14	ES-U14-080610	AROCLOR 1242	0.01000	06/27/08	50810	N	ES-U14-080610
East Site	U14	ES-U14-080610	AROCLOR 1232	0.01400	06/27/08	50810	N	ES-U14-080610

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
East Site	U14	ES-U14-080610	AROCLOR 1254	0.00310	06/27/08	50810	N	ES-U14-080610
East Site	U14	ES-U14-080610	AROCLOR 1260	0.00610	06/27/08	50810	N	ES-U14-080610
East Site	U14	ES-U14-080610	AROCLOR 1248	0.00920	06/27/08	50810	N	ES-U14-080610
East Site	V11	ES-V11-080529	AROCLOR 1242	0.01000	06/13/08	50461	N	ES-V11-080529
East Site	V11	ES-V11-080529	AROCLOR 1254	0.00310	06/13/08	50461	N	ES-V11-080529
East Site	V11	ES-V11-080529	AROCLOR 1232	0.01400	06/13/08	50461	N	ES-V11-080529
East Site	V11	ES-V11-080529	AROCLOR 1248	0.00920	06/13/08	50461	N	ES-V11-080529
East Site	V11	ES-V11-080529	AROCLOR 1260	0.00610	06/13/08	50461	N	ES-V11-080529
East Site	V14	ES-V14-080605	AROCLOR 1232	0.01400	06/26/08	50603	N	ES-V14-080605
East Site	V14	ES-V14-080605	AROCLOR 1260	0.00620	06/26/08	50603	N	ES-V14-080605
East Site	V14	ES-V14-080605	AROCLOR 1242	0.01000	06/26/08	50603	N	ES-V14-080605
East Site	V14	ES-V14-080605	AROCLOR 1254	0.00310	06/26/08	50603	N	ES-V14-080605
East Site	V14	ES-V14-080605	AROCLOR 1248	0.00920	06/26/08	50603	N	ES-V14-080605
East Site	W12	ES-W12-080527	AROCLOR 1248	0.00920	06/05/08	50261	N	ES-W12-080527
East Site	W12	ES-W12-080527	AROCLOR 1242	0.01000	06/05/08	50261	N	ES-W12-080527
East Site	W12	ES-W12-080527	AROCLOR 1254	0.00310	06/05/08	50261	N	ES-W12-080527
East Site	W12	ES-W12-080527	AROCLOR 1260	0.00610	06/05/08	50261	N	ES-W12-080527
East Site	W12	ES-W12-080527	AROCLOR 1232	0.01400	06/05/08	50261	N	ES-W12-080527
West Site	A4	WS-A04-080626	AROCLOR 1232	0.01400	07/10/08	51068	N	WS-A04-080626
West Site	A4	WS-A04-080626	AROCLOR 1260	0.00620	07/10/08	51068	N	WS-A04-080626
West Site	A4	WS-A04-080626	AROCLOR 1242	0.01000	07/10/08	51068	N	WS-A04-080626
West Site	A4	WS-A04-080626	AROCLOR 1254	0.00310	07/10/08	51068	N	WS-A04-080626
West Site	A4	WS-A04-080626	AROCLOR 1248	0.00930	07/10/08	51068	N	WS-A04-080626
West Site	B2	WS-B02-080502	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-B02-080502
West Site	B2	WS-B02-080502	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-B02-080502
West Site	B2	WS-B02-080502	AROCLOR 1248	0.41000	05/22/08	49981	Y	WS-B02-080502
West Site	B2	WS-B02-080502	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-B02-080502
West Site	B2	WS-B02-080502	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-B02-080502
West Site	B2	WS-B02-100120	AROCLOR 1242	0.01000	02/01/10	64490	N	WS-B02-100120
West Site	B2	WS-B02-100120	AROCLOR 1260	0.00610	02/01/10	64490	N	WS-B02-100120
West Site	B2	WS-B02-100120	AROCLOR 1232	0.01400	02/01/10	64490	N	WS-B02-100120
West Site	B2	WS-B02-100120	AROCLOR 1248	0.00920	02/01/10	64490	N	WS-B02-100120
West Site	B2	WS-B02-100120	AROCLOR 1254	0.02900	02/03/10	64490	Y	WS-B02-100120
West Site	B3	WS-B03-080502	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-B03-080502
West Site	B3	WS-B03-080502	AROCLOR 1254	0.03900	05/22/08	49981	Y	WS-B03-080502
West Site	B3	WS-B03-080502	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-B03-080502
West Site	B3	WS-B03-080502	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-B03-080502
West Site	B3	WS-B03-080502	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-B03-080502
West Site	B4	WS-B04-080626	AROCLOR 1248	0.00920	07/10/08	51068	N	WS-B04-080626
West Site	B4	WS-B04-080626	AROCLOR 1260	0.00610	07/10/08	51068	N	WS-B04-080626
West Site	B4	WS-B04-080626	AROCLOR 1254	0.00310	07/10/08	51068	N	WS-B04-080626
West Site	B4	WS-B04-080626	AROCLOR 1242	0.01000	07/10/08	51068	N	WS-B04-080626
West Site	B4	WS-B04-080626	AROCLOR 1232	0.01400	07/10/08	51068	N	WS-B04-080626
West Site	B5	WS-B05-080626	AROCLOR 1232	0.01400	07/10/08	51068	N	WS-B05-080626
West Site	B5	WS-B05-080626	AROCLOR 1260	0.00610	07/10/08	51068	N	WS-B05-080626

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	B5	WS-B05-080626	AROCLOR 1242	0.01000	07/10/08	51068	N	WS-B05-080626
West Site	B5	WS-B05-080626	AROCLOR 1254	0.00310	07/10/08	51068	N	WS-B05-080626
West Site	B5	WS-B05-080626	AROCLOR 1248	0.00920	07/10/08	51068	N	WS-B05-080626
West Site	C1	WS-C01-080501	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-C01-080501
West Site	C1	WS-C01-080501	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-C01-080501
West Site	C1	WS-C01-080501	AROCLOR 1254	0.04500	05/15/08	49802	Y	WS-C01-080501
West Site	C1	WS-C01-080501	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-C01-080501
West Site	C1	WS-C01-080501	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-C01-080501
West Site	C1	WS-C01-080501	AROCLOR 1254	0.04100	05/30/08	50156	Y	DUP-3
West Site	C1	WS-C01-080501	AROCLOR 1260	0.00610	05/30/08	50156	N	DUP-3
West Site	C1	WS-C01-080501	AROCLOR 1242	0.01000	05/30/08	50156	N	DUP-3
West Site	C1	WS-C01-080501	AROCLOR 1248	0.00920	05/30/08	50156	N	DUP-3
West Site	C1	WS-C01-080501	AROCLOR 1232	0.01400	05/30/08	50156	N	DUP-3
West Site	C2	WS-C02-080428	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-C02-080428
West Site	C2	WS-C02-080428	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-C02-080428
West Site	C2	WS-C02-080428	AROCLOR 1254	0.01600	05/15/08	49802	Y	WS-C02-080428
West Site	C2	WS-C02-080428	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-C02-080428
West Site	C2	WS-C02-080428	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-C02-080428
West Site	C3	WS-C03-080620	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-C03-080620
West Site	C3	WS-C03-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-C03-080620
West Site	C3	WS-C03-080620	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-C03-080620
West Site	C3	WS-C03-080620	AROCLOR 1260	0.00620	07/09/08	51053	N	WS-C03-080620
West Site	C3	WS-C03-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-C03-080620
West Site	C4	WS-C04-080623	AROCLOR 1248	0.00920	07/09/08	51067	N	WS-C04-080623
West Site	C4	WS-C04-080623	AROCLOR 1232	0.01400	07/09/08	51067	N	WS-C04-080623
West Site	C4	WS-C04-080623	AROCLOR 1260	0.00610	07/09/08	51067	N	WS-C04-080623
West Site	C4	WS-C04-080623	AROCLOR 1242	0.01000	07/09/08	51067	N	WS-C04-080623
West Site	C4	WS-C04-080623	AROCLOR 1254	0.00310	07/09/08	51067	N	WS-C04-080623
West Site	C5	WS-C05-080620	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-C05-080620
West Site	C5	WS-C05-080620	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-C05-080620
West Site	C5	WS-C05-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-C05-080620
West Site	C5	WS-C05-080620	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-C05-080620
West Site	C5	WS-C05-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-C05-080620
West Site	C6	WS-C06-080624	AROCLOR 1260	0.00610	07/10/08	51067	N	WS-C06-080624
West Site	C6	WS-C06-080624	AROCLOR 1242	0.01000	07/10/08	51067	N	WS-C06-080624
West Site	C6	WS-C06-080624	AROCLOR 1248	0.00920	07/10/08	51067	N	WS-C06-080624
West Site	C6	WS-C06-080624	AROCLOR 1232	0.01400	07/10/08	51067	N	WS-C06-080624
West Site	C6	WS-C06-080624	AROCLOR 1254	0.00310	07/10/08	51067	N	WS-C06-080624
West Site	D1	WS-D01-080430	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-D01-080430
West Site	D1	WS-D01-080430	AROCLOR 1254	0.02600	05/15/08	49802	Y	WS-D01-080430
West Site	D1	WS-D01-080430	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-D01-080430
West Site	D1	WS-D01-080430	AROCLOR 1248	0.00910	05/15/08	49802	N	WS-D01-080430
West Site	D1	WS-D01-080430	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-D01-080430
West Site	D2	WS-D02-080429	AROCLOR 1260	0.00620	05/15/08	49802	N	WS-D02-080429
West Site	D2	WS-D02-080429	AROCLOR 1248	0.00930	05/15/08	49802	N	WS-D02-080429

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	D2	WS-D02-080429	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-D02-080429
West Site	D2	WS-D02-080429	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-D02-080429
West Site	D2	WS-D02-080429	AROCLOR 1232	0.01400	05/15/08	49802	N	DUP-2
West Site	D2	WS-D02-080429	AROCLOR 1254	0.00310	05/15/08	49802	N	WS-D02-080429
West Site	D2	WS-D02-080429	AROCLOR 1248	0.00920	05/15/08	49802	N	DUP-2
West Site	D2	WS-D02-080429	AROCLOR 1254	0.00310	05/15/08	49802	N	DUP-2
West Site	D2	WS-D02-080429	AROCLOR 1260	0.00610	05/15/08	49802	N	DUP-2
West Site	D2	WS-D02-080429	AROCLOR 1242	0.01000	05/15/08	49802	N	DUP-2
West Site	D3	WS-D03-080620	AROCLOR 1260	0.00620	07/09/08	51053	N	WS-D03-080620
West Site	D3	WS-D03-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-D03-080620
West Site	D3	WS-D03-080620	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-D03-080620
West Site	D3	WS-D03-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-D03-080620
West Site	D3	WS-D03-080620	AROCLOR 1248	0.00930	07/09/08	51053	N	WS-D03-080620
West Site	D4	WS-D04-080623	AROCLOR 1260	0.00610	07/09/08	51067	N	WS-D04-080623
West Site	D4	WS-D04-080623	AROCLOR 1232	0.01400	07/09/08	51067	N	WS-D04-080623
West Site	D4	WS-D04-080623	AROCLOR 1242	0.01000	07/09/08	51067	N	WS-D04-080623
West Site	D4	WS-D04-080623	AROCLOR 1248	0.00920	07/09/08	51067	N	WS-D04-080623
West Site	D4	WS-D04-080623	AROCLOR 1254	0.13000	07/09/08	51067	Y	WS-D04-080623
West Site	D4	WS-D04-090319	AROCLOR 1260	0.00600	04/06/09	56714	N	WS-D04-090319
West Site	D4	WS-D04-090319	AROCLOR 1242	0.01000	04/06/09	56714	N	WS-D04-090319
West Site	D4	WS-D04-090319	AROCLOR 1254	0.02100	04/06/09	56714	Y	WS-D04-090319
West Site	D4	WS-D04-090319	AROCLOR 1232	0.01400	04/06/09	56714	N	WS-D04-090319
West Site	D4	WS-D04-090319	AROCLOR 1248	0.00910	04/06/09	56714	N	WS-D04-090319
West Site	D5	WS-D05-080620	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-D05-080620
West Site	D5	WS-D05-080620	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-D05-080620
West Site	D5	WS-D05-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-D05-080620
West Site	D5	WS-D05-080620	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-D05-080620
West Site	D5	WS-D05-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-D05-080620
West Site	D6	WS-D06-080619	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-D06-080619
West Site	D6	WS-D06-080619	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-D06-080619
West Site	D6	WS-D06-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-D06-080619
West Site	D6	WS-D06-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-D06-080619
West Site	D6	WS-D06-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-D06-080619
West Site	D7	WS-D07-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-D07-080619
West Site	D7	WS-D07-080619	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-D07-080619
West Site	D7	WS-D07-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-D07-080619
West Site	D7	WS-D07-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-D07-080619
West Site	D7	WS-D07-080619	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-D07-080619
West Site	E1	WS-E01-080430	AROCLOR 1254	0.01000	05/15/08	49802	Y	WS-E01-080430
West Site	E1	WS-E01-080430	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-E01-080430
West Site	E1	WS-E01-080430	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-E01-080430
West Site	E1	WS-E01-080430	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-E01-080430
West Site	E1	WS-E01-080430	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-E01-080430
West Site	E2	WS-E02-080428	AROCLOR 1242	0.01000	05/15/08	49802	N	DUP-1
West Site	E2	WS-E02-080428	AROCLOR 1232	0.01400	05/15/08	49802	N	DUP-1

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	E2	WS-E02-080428	AROCLOR 1260	0.00620	05/15/08	49802	N	DUP-1
West Site	E2	WS-E02-080428	AROCLOR 1254	0.07100	05/15/08	49802	Y	DUP-1
West Site	E2	WS-E02-080428	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-E02-080428
West Site	E2	WS-E02-080428	AROCLOR 1260	0.00620	05/15/08	49802	N	WS-E02-080428
West Site	E2	WS-E02-080428	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-E02-080428
West Site	E2	WS-E02-080428	AROCLOR 1254	0.07200	05/15/08	49802	Y	WS-E02-080428
West Site	E2	WS-E02-080428	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-E02-080428
West Site	E2	WS-E02-080428	AROCLOR 1248	0.00920	05/15/08	49802	N	DUP-1
West Site	E3	WS-E03-080619	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-E03-080619
West Site	E3	WS-E03-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-E03-080619
West Site	E3	WS-E03-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-E03-080619
West Site	E3	WS-E03-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-E03-080619
West Site	E3	WS-E03-080619	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-E03-080619
West Site	E4	WS-E04-080613	AROCLOR 1248	0.00910	06/27/08	50837	N	WS-E04-080613
West Site	E4	WS-E04-080613	AROCLOR 1260	0.00610	06/27/08	50837	N	WS-E04-080613
West Site	E4	WS-E04-080613	AROCLOR 1232	0.01400	06/27/08	50837	N	WS-E04-080613
West Site	E4	WS-E04-080613	AROCLOR 1254	0.00300	06/27/08	50837	N	WS-E04-080613
West Site	E4	WS-E04-080613	AROCLOR 1242	0.01000	06/27/08	50837	N	WS-E04-080613
West Site	E5	WS-E05-080613	AROCLOR 1260	0.00610	07/09/08	50838	N	WS-E05-080613
West Site	E5	WS-E05-080613	AROCLOR 1232	0.01400	07/09/08	50838	N	WS-E05-080613
West Site	E5	WS-E05-080613	AROCLOR 1242	0.01000	07/09/08	50838	N	WS-E05-080613
West Site	E5	WS-E05-080613	AROCLOR 1254	0.08200	07/09/08	50838	Y	WS-E05-080613
West Site	E5	WS-E05-080613	AROCLOR 1248	0.00920	07/09/08	50838	N	WS-E05-080613
West Site	E5	WS-E05-081110	AROCLOR 1260	0.00610	11/25/08	54430	N	WS-E05-081110
West Site	E5	WS-E05-081110	AROCLOR 1232	0.01400	11/25/08	54430	N	WS-E05-081110
West Site	E5	WS-E05-081110	AROCLOR 1248	0.00910	11/25/08	54430	N	WS-E05-081110
West Site	E5	WS-E05-081110	AROCLOR 1242	0.01000	11/25/08	54430	N	WS-E05-081110
West Site	E5	WS-E05-081110	AROCLOR 1254	0.05300	11/26/08	54430	Y	WS-E05-081110
West Site	E6	WS-E06-080613	AROCLOR 1254	0.00310	07/10/08	51068	N	WS-E06-080613
West Site	E6	WS-E06-080613	AROCLOR 1242	0.01000	07/10/08	51068	N	WS-E06-080613
West Site	E6	WS-E06-080613	AROCLOR 1232	0.01400	07/10/08	51068	N	WS-E06-080613
West Site	E6	WS-E06-080613	AROCLOR 1260	0.00610	07/10/08	51068	N	WS-E06-080613
West Site	E6	WS-E06-080613	AROCLOR 1248	0.00920	07/10/08	51068	N	WS-E06-080613
West Site	E7	WS-E07-080613	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-E07-080613
West Site	E7	WS-E07-080613	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-E07-080613
West Site	E7	WS-E07-080613	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-E07-080613
West Site	E7	WS-E07-080613	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-E07-080613
West Site	E7	WS-E07-080613	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-E07-080613
West Site	E8	WS-E08-080616	AROCLOR 1254	0.27000	07/09/08	50949	Y	WS-E08-080616
West Site	E8	WS-E08-080616	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-E08-080616
West Site	E8	WS-E08-080616	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-E08-080616
West Site	E8	WS-E08-080616	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-E08-080616
West Site	E8	WS-E08-080616	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-E08-080616
West Site	E8	WS-E08-091228	AROCLOR 1242	0.01000	01/11/10	64073	N	WS-E08-091228
West Site	E8	WS-E08-091228	AROCLOR 1260	0.00600	01/11/10	64073	N	WS-E08-091228

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	E8	WS-E08-091228	AROCLOR 1232	0.01400	01/11/10	64073	N	WS-E08-091228
West Site	E8	WS-E08-091228	AROCLOR 1254	0.81000	01/11/10	64073	Y	WS-E08-091228
West Site	E8	WS-E08-091228	AROCLOR 1248	0.00900	01/11/10	64073	N	WS-E08-091228
West Site	E8	WS-E08-100223	AROCLOR 1260	0.00610	03/08/10	65023	N	WS-E08-100223
West Site	E8	WS-E08-100223	AROCLOR 1248	0.00910	03/08/10	65023	N	WS-E08-100223
West Site	E8	WS-E08-100223	AROCLOR 1232	0.01400	03/08/10	65023	N	WS-E08-100223
West Site	E8	WS-E08-100223	AROCLOR 1254	0.11000	03/08/10	65023	Y	WS-E08-100223
West Site	E8	WS-E08-100223	AROCLOR 1242	0.01000	03/08/10	65023	N	WS-E08-100223
West Site	E8	WS-E08-100923	AROCLOR 1242	0.02000	10/05/10	70574	N	WS-E08-100923
West Site	E8	WS-E08-100923	AROCLOR 1248	0.01800	10/05/10	70574	N	WS-E08-100923
West Site	E8	WS-E08-100923	AROCLOR 1254	0.84000	10/05/10	70574	Y	WS-E08-100923
West Site	E8	WS-E08-100923	AROCLOR 1260	0.01200	10/05/10	70574	N	WS-E08-100923
West Site	E8	WS-E08-100923	AROCLOR 1232	0.02800	10/05/10	70574	N	WS-E08-100923
West Site	E8	WS-E08-101027	AROCLOR 1232	0.01400	11/16/10	71733	N	WS-E08-101027
West Site	E8	WS-E08-101027	AROCLOR 1242	0.01000	11/16/10	71733	N	WS-E08-101027
West Site	E8	WS-E08-101027	AROCLOR 1248	0.00910	11/16/10	71733	N	WS-E08-101027
West Site	E8	WS-E08-101027	AROCLOR 1260	0.00610	11/16/10	71733	N	WS-E08-101027
West Site	E8	WS-E08-101027	AROCLOR 1254	0.01300	11/17/10	71733	Y	WS-E08-101027
West Site	F1	WS-F01-080429	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-F01-080429
West Site	F1	WS-F01-080429	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-F01-080429
West Site	F1	WS-F01-080429	AROCLOR 1254	0.05200	05/15/08	49802	Y	WS-F01-080429
West Site	F1	WS-F01-080429	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-F01-080429
West Site	F1	WS-F01-080429	AROCLOR 1248	0.00900	05/15/08	49802	N	WS-F01-080429
West Site	F2	WS-F02-080429	AROCLOR 1254	0.06800	05/15/08	49802	Y	WS-F02-080429
West Site	F2	WS-F02-080429	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-F02-080429
West Site	F2	WS-F02-080429	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-F02-080429
West Site	F2	WS-F02-080429	AROCLOR 1260	0.00610	05/15/08	49802	N	WS-F02-080429
West Site	F2	WS-F02-080429	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-F02-080429
West Site	F3	WS-F03-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-F03-080619
West Site	F3	WS-F03-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-F03-080619
West Site	F3	WS-F03-080619	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-F03-080619
West Site	F3	WS-F03-080619	AROCLOR 1254	0.04300	07/09/08	51053	Y	WS-F03-080619
West Site	F3	WS-F03-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-F03-080619
West Site	F4	WS-F04-080616	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-F04-080616
West Site	F4	WS-F04-080616	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-F04-080616
West Site	F4	WS-F04-080616	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-F04-080616
West Site	F4	WS-F04-080616	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-F04-080616
West Site	F4	WS-F04-080616	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-F04-080616
West Site	F5	WS-F05-080612	AROCLOR 1248	0.00920	06/27/08	50837	N	WS-F05-080612
West Site	F5	WS-F05-080612	AROCLOR 1232	0.01400	06/27/08	50837	N	WS-F05-080612
West Site	F5	WS-F05-080612	AROCLOR 1242	0.01000	06/27/08	50837	N	WS-F05-080612
West Site	F5	WS-F05-080612	AROCLOR 1260	0.00610	06/27/08	50837	N	WS-F05-080612
West Site	F5	WS-F05-080612	AROCLOR 1254	0.51000	06/27/08	50837	Y	WS-F05-080612
West Site	F5	WS-F05-100111	AROCLOR 1242	0.01000	02/01/10	64330	N	WS-F05-100111
West Site	F5	WS-F05-100111	AROCLOR 1260	0.00610	02/01/10	64330	N	WS-F05-100111

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	F5	WS-F05-100111	AROCLOR 1254	0.00300	02/01/10	64330	N	WS-F05-100111
West Site	F5	WS-F05-100111	AROCLOR 1232	0.01400	02/01/10	64330	N	WS-F05-100111
West Site	F5	WS-F05-100111	AROCLOR 1248	0.00910	02/01/10	64330	N	WS-F05-100111
West Site	F6	WS-F06-080612	AROCLOR 1242	0.01000	06/27/08	50837	N	WS-F06-080612
West Site	F6	WS-F06-080612	AROCLOR 1254	0.00310	06/27/08	50837	N	WS-F06-080612
West Site	F6	WS-F06-080612	AROCLOR 1248	0.00920	06/27/08	50837	N	WS-F06-080612
West Site	F6	WS-F06-080612	AROCLOR 1232	0.01400	06/27/08	50837	N	WS-F06-080612
West Site	F6	WS-F06-080612	AROCLOR 1260	0.00620	06/27/08	50837	N	WS-F06-080612
West Site	F7	WS-F07-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-F07-080617
West Site	F7	WS-F07-080617	AROCLOR 1254	0.05400	07/09/08	50949	Y	WS-F07-080617
West Site	F7	WS-F07-080617	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-F07-080617
West Site	F7	WS-F07-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-F07-080617
West Site	F7	WS-F07-080617	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-F07-080617
West Site	F8	WS-F08-080618	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-F08-080618
West Site	F8	WS-F08-080618	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-F08-080618
West Site	F8	WS-F08-080618	AROCLOR 1254	0.05100	07/09/08	51053	Y	WS-F08-080618
West Site	F8	WS-F08-080618	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-F08-080618
West Site	F8	WS-F08-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-F08-080618
West Site	G1	WS-G01-080501	AROCLOR 1254	0.02400	05/15/08	49802	Y	WS-G01-080501
West Site	G1	WS-G01-080501	AROCLOR 1260	0.00620	05/15/08	49802	N	WS-G01-080501
West Site	G1	WS-G01-080501	AROCLOR 1242	0.01000	05/15/08	49802	N	WS-G01-080501
West Site	G1	WS-G01-080501	AROCLOR 1248	0.00920	05/15/08	49802	N	WS-G01-080501
West Site	G1	WS-G01-080501	AROCLOR 1232	0.01400	05/15/08	49802	N	WS-G01-080501
West Site	G1	WS-G01-080501	AROCLOR 1232	0.01400	05/30/08	50156	N	DUP-4
West Site	G1	WS-G01-080501	AROCLOR 1260	0.00610	05/30/08	50156	N	DUP-4
West Site	G1	WS-G01-080501	AROCLOR 1242	0.01000	05/30/08	50156	N	DUP-4
West Site	G1	WS-G01-080501	AROCLOR 1254	0.02600	05/30/08	50156	Y	DUP-4
West Site	G1	WS-G01-080501	AROCLOR 1248	0.00920	05/30/08	50156	N	DUP-4
West Site	G2	WS-G02-080618	AROCLOR 1254	0.01400	07/09/08	51053	Y	WS-G02-080618
West Site	G2	WS-G02-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-G02-080618
West Site	G2	WS-G02-080618	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-G02-080618
West Site	G2	WS-G02-080618	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-G02-080618
West Site	G2	WS-G02-080618	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-G02-080618
West Site	G3	WS-G03-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-G03-080619
West Site	G3	WS-G03-080619	AROCLOR 1254	0.00300	07/09/08	51053	N	WS-G03-080619
West Site	G3	WS-G03-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-G03-080619
West Site	G3	WS-G03-080619	AROCLOR 1248	0.00910	07/09/08	51053	N	WS-G03-080619
West Site	G3	WS-G03-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-G03-080619
West Site	G4	WS-G04-080616	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-G04-080616
West Site	G4	WS-G04-080616	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-G04-080616
West Site	G4	WS-G04-080616	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-G04-080616
West Site	G4	WS-G04-080616	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-G04-080616
West Site	G4	WS-G04-080616	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-G04-080616
West Site	G5	WS-G05-080613	AROCLOR 1248	0.00920	06/27/08	50838	N	WS-G05-080613
West Site	G5	WS-G05-080613	AROCLOR 1254	0.12000	06/27/08	50838	Y	WS-G05-080613

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	G5	WS-G05-080613	AROCLOR 1260	0.00620	06/27/08	50838	N	WS-G05-080613
West Site	G5	WS-G05-080613	AROCLOR 1242	0.01000	06/27/08	50838	N	WS-G05-080613
West Site	G5	WS-G05-080613	AROCLOR 1232	0.01400	06/27/08	50838	N	WS-G05-080613
West Site	G5	WS-G05-090319	AROCLOR 1242	0.01000	04/06/09	56714	N	WS-G05-090319
West Site	G5	WS-G05-090319	AROCLOR 1248	0.00910	04/06/09	56714	N	WS-G05-090319
West Site	G5	WS-G05-090319	AROCLOR 1260	0.00600	04/06/09	56714	N	WS-G05-090319
West Site	G5	WS-G05-090319	AROCLOR 1254	0.66000	04/06/09	56714	Y	WS-G05-090319
West Site	G5	WS-G05-090319	AROCLOR 1232	0.01400	04/06/09	56714	N	WS-G05-090319
West Site	G5	WS-G05-100108	AROCLOR 1254	0.00300	01/15/10	64176	N	WS-G05-100108
West Site	G5	WS-G05-100108	AROCLOR 1248	0.00910	01/15/10	64176	N	WS-G05-100108
West Site	G5	WS-G05-100108	AROCLOR 1242	0.01000	01/15/10	64176	N	WS-G05-100108
West Site	G5	WS-G05-100108	AROCLOR 1260	0.00610	01/15/10	64176	N	WS-G05-100108
West Site	G5	WS-G05-100108	AROCLOR 1232	0.01400	01/15/10	64176	N	WS-G05-100108
West Site	G6	WS-G06-080616	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-G06-080616
West Site	G6	WS-G06-080616	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-G06-080616
West Site	G6	WS-G06-080616	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-G06-080616
West Site	G6	WS-G06-080616	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-G06-080616
West Site	G6	WS-G06-080616	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-G06-080616
West Site	G6	WS-G06-100107	AROCLOR 1232	0.01400	01/15/10	64176	N	WS-G06-100107
West Site	G6	WS-G06-100107	AROCLOR 1242	0.01000	01/15/10	64176	N	WS-G06-100107
West Site	G6	WS-G06-100107	AROCLOR 1260	0.00600	01/15/10	64176	N	WS-G06-100107
West Site	G6	WS-G06-100107	AROCLOR 1248	0.00900	01/15/10	64176	N	WS-G06-100107
West Site	G6	WS-G06-100107	AROCLOR 1254	0.00300	01/15/10	64176	N	WS-G06-100107
West Site	G7	WS-G07-080617	AROCLOR 1260	0.00620	07/09/08	50949	N	WS-G07-080617
West Site	G7	WS-G07-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-G07-080617
West Site	G7	WS-G07-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-G07-080617
West Site	G7	WS-G07-080617	AROCLOR 1254	0.20000	07/09/08	50949	Y	WS-G07-080617
West Site	G7	WS-G07-080617	AROCLOR 1248	0.00930	07/09/08	50949	N	WS-G07-080617
West Site	G7	WS-G07-100105	AROCLOR 1242	0.01000	01/15/10	64176	N	WS-G07-100105
West Site	G7	WS-G07-100105	AROCLOR 1248	0.00910	01/15/10	64176	N	WS-G07-100105
West Site	G7	WS-G07-100105	AROCLOR 1254	0.00300	01/15/10	64176	N	WS-G07-100105
West Site	G7	WS-G07-100105	AROCLOR 1232	0.01400	01/15/10	64176	N	WS-G07-100105
West Site	G7	WS-G07-100105	AROCLOR 1260	0.00610	01/15/10	64176	N	WS-G07-100105
West Site	H1	WS-H01-080501	AROCLOR 1254	0.01300	05/22/08	49981	Y	WS-H01-080501
West Site	H1	WS-H01-080501	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-H01-080501
West Site	H1	WS-H01-080501	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-H01-080501
West Site	H1	WS-H01-080501	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-H01-080501
West Site	H1	WS-H01-080501	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-H01-080501
West Site	H2	WS-H02-080618	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-H02-080618
West Site	H2	WS-H02-080618	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-H02-080618
West Site	H2	WS-H02-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-H02-080618
West Site	H2	WS-H02-080618	AROCLOR 1254	0.00310	07/09/08	51053	N	WS-H02-080618
West Site	H2	WS-H02-080618	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-H02-080618
West Site	H3	WS-H03-080619	AROCLOR 1254	0.00300	07/09/08	51053	N	WS-H03-080619
West Site	H3	WS-H03-080619	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-H03-080619

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	H3	WS-H03-080619	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-H03-080619
West Site	H3	WS-H03-080619	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-H03-080619
West Site	H3	WS-H03-080619	AROCLOR 1248	0.00910	07/09/08	51053	N	WS-H03-080619
West Site	H4	WS-H04-080616	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-H04-080616
West Site	H4	WS-H04-080616	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-H04-080616
West Site	H4	WS-H04-080616	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-H04-080616
West Site	H4	WS-H04-080616	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-H04-080616
West Site	H4	WS-H04-080616	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-H04-080616
West Site	H5	WS-H05-080613	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-H05-080613
West Site	H5	WS-H05-080613	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-H05-080613
West Site	H5	WS-H05-080613	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-H05-080613
West Site	H5	WS-H05-080613	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-H05-080613
West Site	H5	WS-H05-080613	AROCLOR 1254	0.09400	07/09/08	50949	Y	WS-H05-080613
West Site	H5	WS-H05-081110	AROCLOR 1242	0.01000	11/25/08	54430	N	WS-H05-081110
West Site	H5	WS-H05-081110	AROCLOR 1248	0.00920	11/25/08	54430	N	WS-H05-081110
West Site	H5	WS-H05-081110	AROCLOR 1232	0.01400	11/25/08	54430	N	WS-H05-081110
West Site	H5	WS-H05-081110	AROCLOR 1260	0.00610	11/25/08	54430	N	WS-H05-081110
West Site	H5	WS-H05-081110	AROCLOR 1254	0.08900	11/26/08	54430	Y	WS-H05-081110
West Site	H5	WS-H05-100107	AROCLOR 1242	0.01000	01/15/10	64176	N	WS-H05-100107
West Site	H5	WS-H05-100107	AROCLOR 1248	0.00900	01/15/10	64176	N	WS-H05-100107
West Site	H5	WS-H05-100107	AROCLOR 1232	0.01400	01/15/10	64176	N	WS-H05-100107
West Site	H5	WS-H05-100107	AROCLOR 1254	0.00300	01/15/10	64176	N	WS-H05-100107
West Site	H5	WS-H05-100107	AROCLOR 1260	0.00600	01/15/10	64176	N	WS-H05-100107
West Site	H6	WS-H06-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-H06-080617
West Site	H6	WS-H06-080617	AROCLOR 1260	0.00620	07/09/08	50949	N	WS-H06-080617
West Site	H6	WS-H06-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-H06-080617
West Site	H6	WS-H06-080617	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-H06-080617
West Site	H6	WS-H06-080617	AROCLOR 1254	0.00310	07/09/08	50949	N	WS-H06-080617
West Site	I1	WS-I01-080501	AROCLOR 1248	0.00961	05/22/08	49981	N	WS-I01-080501
West Site	I1	WS-I01-080501	AROCLOR 1232	0.01500	05/22/08	49981	N	WS-I01-080501
West Site	I1	WS-I01-080501	AROCLOR 1254	0.02600	05/22/08	49981	Y	WS-I01-080501
West Site	I1	WS-I01-080501	AROCLOR 1260	0.00640	05/22/08	49981	N	WS-I01-080501
West Site	I1	WS-I01-080501	AROCLOR 1242	0.01100	05/22/08	49981	N	WS-I01-080501
West Site	I1	WS-I01-080501	AROCLOR 1254	0.02000	05/30/08	50156	Y	DUP-5
West Site	I1	WS-I01-080501	AROCLOR 1232	0.01500	05/30/08	50156	N	DUP-5
West Site	I1	WS-I01-080501	AROCLOR 1248	0.00960	05/30/08	50156	N	DUP-5
West Site	I1	WS-I01-080501	AROCLOR 1242	0.01100	05/30/08	50156	N	DUP-5
West Site	I1	WS-I01-080501	AROCLOR 1260	0.00640	05/30/08	50156	N	DUP-5
West Site	I2	WS-I02-080618	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-I02-080618
West Site	I2	WS-I02-080618	AROCLOR 1248	0.00910	07/09/08	51053	N	WS-I02-080618
West Site	I2	WS-I02-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-I02-080618
West Site	I2	WS-I02-080618	AROCLOR 1254	0.00300	07/09/08	51053	N	WS-I02-080618
West Site	I2	WS-I02-080618	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-I02-080618
West Site	I3	WS-I03-080618	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-I03-080618
West Site	I3	WS-I03-080618	AROCLOR 1254	0.00300	07/09/08	51053	N	WS-I03-080618

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	I3	WS-I03-080618	AROCLOR 1248	0.00910	07/09/08	51053	N	WS-I03-080618
West Site	I3	WS-I03-080618	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-I03-080618
West Site	I3	WS-I03-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-I03-080618
West Site	I4	WS-I04-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-I04-080617
West Site	I4	WS-I04-080617	AROCLOR 1260	0.00610	07/09/08	50949	N	WS-I04-080617
West Site	I4	WS-I04-080617	AROCLOR 1254	0.04100	07/09/08	50949	Y	WS-I04-080617
West Site	I4	WS-I04-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-I04-080617
West Site	I4	WS-I04-080617	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-I04-080617
West Site	I5	WS-I05-080617	AROCLOR 1248	0.00920	07/09/08	50949	N	WS-I05-080617
West Site	I5	WS-I05-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-I05-080617
West Site	I5	WS-I05-080617	AROCLOR 1254	0.02300	07/09/08	50949	Y	WS-I05-080617
West Site	I5	WS-I05-080617	AROCLOR 1260	0.00620	07/09/08	50949	N	WS-I05-080617
West Site	I5	WS-I05-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-I05-080617
West Site	I6	WS-I06-080617	AROCLOR 1254	0.06600	07/09/08	50949	Y	WS-I06-080617
West Site	I6	WS-I06-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-I06-080617
West Site	I6	WS-I06-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-I06-080617
West Site	I6	WS-I06-080617	AROCLOR 1260	0.00620	07/09/08	50949	N	WS-I06-080617
West Site	I6	WS-I06-080617	AROCLOR 1248	0.00930	07/09/08	50949	N	WS-I06-080617
West Site	J1	WS-J01-080505	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-J01-080505
West Site	J1	WS-J01-080505	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-J01-080505
West Site	J1	WS-J01-080505	AROCLOR 1254	0.04600	05/22/08	49981	Y	WS-J01-080505
West Site	J1	WS-J01-080505	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-J01-080505
West Site	J1	WS-J01-080505	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-J01-080505
West Site	J1	WS-J01-080505	AROCLOR 1254	0.05500	06/05/08	50293	Y	DUP-6
West Site	J1	WS-J01-080505	AROCLOR 1242	0.01000	06/05/08	50293	N	DUP-6
West Site	J1	WS-J01-080505	AROCLOR 1260	0.00620	06/05/08	50293	N	DUP-6
West Site	J1	WS-J01-080505	AROCLOR 1248	0.00930	06/05/08	50293	N	DUP-6
West Site	J1	WS-J01-080505	AROCLOR 1232	0.01400	06/05/08	50293	N	DUP-6
West Site	J2	WS-J02-080624	AROCLOR 1254	0.04200	07/10/08	51067	Y	WS-J02-080624
West Site	J2	WS-J02-080624	AROCLOR 1248	0.00920	07/10/08	51067	N	WS-J02-080624
West Site	J2	WS-J02-080624	AROCLOR 1260	0.00610	07/10/08	51067	N	WS-J02-080624
West Site	J2	WS-J02-080624	AROCLOR 1242	0.01000	07/10/08	51067	N	WS-J02-080624
West Site	J2	WS-J02-080624	AROCLOR 1232	0.01400	07/10/08	51067	N	WS-J02-080624
West Site	J3	WS-J03-080620	AROCLOR 1254	0.00920	07/09/08	51053	Y	WS-J03-080620
West Site	J3	WS-J03-080620	AROCLOR 1242	0.01000	07/09/08	51053	N	WS-J03-080620
West Site	J3	WS-J03-080620	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-J03-080620
West Site	J3	WS-J03-080620	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-J03-080620
West Site	J3	WS-J03-080620	AROCLOR 1260	0.00610	07/09/08	51053	N	WS-J03-080620
West Site	J4	WS-J04-080617	AROCLOR 1254	0.32000	07/09/08	50949	Y	WS-J04-080617
West Site	J4	WS-J04-080617	AROCLOR 1248	0.00930	07/09/08	50949	N	WS-J04-080617
West Site	J4	WS-J04-080617	AROCLOR 1232	0.01400	07/09/08	50949	N	WS-J04-080617
West Site	J4	WS-J04-080617	AROCLOR 1260	0.00620	07/09/08	50949	N	WS-J04-080617
West Site	J4	WS-J04-080617	AROCLOR 1242	0.01000	07/09/08	50949	N	WS-J04-080617
West Site	J4	WS-J04-100106	AROCLOR 1254	0.00300	01/15/10	64176	N	WS-J04-100106
West Site	J4	WS-J04-100106	AROCLOR 1242	0.01000	01/15/10	64176	N	WS-J04-100106

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	J4	WS-J04-100106	AROCLOR 1232	0.01400	01/15/10	64176	N	WS-J04-100106
West Site	J4	WS-J04-100106	AROCLOR 1260	0.00610	01/15/10	64176	N	WS-J04-100106
West Site	J4	WS-J04-100106	AROCLOR 1248	0.00910	01/15/10	64176	N	WS-J04-100106
West Site	J5	WS-J05-080618	AROCLOR 1232	0.01400	07/09/08	51053	N	WS-J05-080618
West Site	J5	WS-J05-080618	AROCLOR 1248	0.00920	07/09/08	51053	N	WS-J05-080618
West Site	J5	WS-J05-080618	AROCLOR 1254	1.00000	07/09/08	51053	Y	WS-J05-080618
West Site	J5	WS-J05-080618	AROCLOR 1242	0.69000	07/09/08	51053	Y	WS-J05-080618
West Site	J5	WS-J05-080618	AROCLOR 1260	0.00620	07/09/08	51053	N	WS-J05-080618
West Site	J5	WS-J05-100107	AROCLOR 1242	0.01000	01/15/10	64176	N	WS-J05-100107
West Site	J5	WS-J05-100107	AROCLOR 1260	0.00600	01/15/10	64176	N	WS-J05-100107
West Site	J5	WS-J05-100107	AROCLOR 1232	0.01400	01/15/10	64176	N	WS-J05-100107
West Site	J5	WS-J05-100107	AROCLOR 1254	0.00300	01/15/10	64176	N	WS-J05-100107
West Site	J5	WS-J05-100107	AROCLOR 1248	0.46000	01/18/10	64176	Y	WS-J05-100107
West Site	J5	WS-J05-100223	AROCLOR 1248	0.03900	03/08/10	65023	Y	WS-J05-100223
West Site	J5	WS-J05-100223	AROCLOR 1254	0.00300	03/08/10	65023	N	WS-J05-100223
West Site	J5	WS-J05-100223	AROCLOR 1242	0.01000	03/08/10	65023	N	WS-J05-100223
West Site	J5	WS-J05-100223	AROCLOR 1260	0.00610	03/08/10	65023	N	WS-J05-100223
West Site	J5	WS-J05-100223	AROCLOR 1232	0.01400	03/08/10	65023	N	WS-J05-100223
West Site	K1	WS-K01-080505	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-K01-080505
West Site	K1	WS-K01-080505	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-K01-080505
West Site	K1	WS-K01-080505	AROCLOR 1254	0.04500	05/22/08	49981	Y	WS-K01-080505
West Site	K1	WS-K01-080505	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-K01-080505
West Site	K1	WS-K01-080505	AROCLOR 1248	0.00930	05/22/08	49981	N	WS-K01-080505
West Site	K2	WS-K02-080509	AROCLOR 1242	0.01000	06/03/08	50226	N	WS-K02-080509
West Site	K2	WS-K02-080509	AROCLOR 1248	0.00920	06/03/08	50226	N	WS-K02-080509
West Site	K2	WS-K02-080509	AROCLOR 1260	0.00610	06/03/08	50226	N	WS-K02-080509
West Site	K2	WS-K02-080509	AROCLOR 1232	0.01400	06/03/08	50226	N	WS-K02-080509
West Site	K2	WS-K02-080509	AROCLOR 1254	0.02400	06/03/08	50226	Y	WS-K02-080509
West Site	K3	WS-K03-080509	AROCLOR 1260	0.00610	06/03/08	50226	N	WS-K03-080509
West Site	K3	WS-K03-080509	AROCLOR 1254	0.02400	06/03/08	50226	Y	WS-K03-080509
West Site	K3	WS-K03-080509	AROCLOR 1248	0.00920	06/03/08	50226	N	WS-K03-080509
West Site	K3	WS-K03-080509	AROCLOR 1232	0.01400	06/03/08	50226	N	WS-K03-080509
West Site	K3	WS-K03-080509	AROCLOR 1242	0.01000	06/03/08	50226	N	WS-K03-080509
West Site	K4	WS-K04-080513	AROCLOR 1242	0.01000	06/03/08	50226	N	WS-K04-080513
West Site	K4	WS-K04-080513	AROCLOR 1232	0.01400	06/03/08	50226	N	WS-K04-080513
West Site	K4	WS-K04-080513	AROCLOR 1248	0.00920	06/03/08	50226	N	WS-K04-080513
West Site	K4	WS-K04-080513	AROCLOR 1254	0.15000	06/03/08	50226	Y	WS-K04-080513
West Site	K4	WS-K04-080513	AROCLOR 1260	0.00610	06/03/08	50226	N	WS-K04-080513
West Site	K4	WS-K04-080513	AROCLOR 1248	0.00910	06/13/08	50461	N	DUP-10
West Site	K4	WS-K04-080513	AROCLOR 1254	0.15000	06/13/08	50461	Y	DUP-10
West Site	K4	WS-K04-080513	AROCLOR 1242	0.01000	06/13/08	50461	N	DUP-10
West Site	K4	WS-K04-080513	AROCLOR 1260	0.00610	06/13/08	50461	N	DUP-10
West Site	K4	WS-K04-080513	AROCLOR 1232	0.01400	06/13/08	50461	N	DUP-10
West Site	K4	WS-K04-100106	AROCLOR 1248	0.00920	01/15/10	64176	N	WS-K04-100106
West Site	K4	WS-K04-100106	AROCLOR 1254	0.00310	01/15/10	64176	N	WS-K04-100106

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	K4	WS-K04-100106	AROCLOR 1232	0.01400	01/15/10	64176	N	WS-K04-100106
West Site	K4	WS-K04-100106	AROCLOR 1242	0.01000	01/15/10	64176	N	WS-K04-100106
West Site	K4	WS-K04-100106	AROCLOR 1260	0.00610	01/15/10	64176	N	WS-K04-100106
West Site	K5	WS-K05-080509	AROCLOR 1232	0.01400	05/30/08	50156	N	WS-K05-080509
West Site	K5	WS-K05-080509	AROCLOR 1248	0.00920	05/30/08	50156	N	WS-K05-080509
West Site	K5	WS-K05-080509	AROCLOR 1260	0.00620	05/30/08	50156	N	WS-K05-080509
West Site	K5	WS-K05-080509	AROCLOR 1254	0.44000	05/30/08	50156	Y	WS-K05-080509
West Site	K5	WS-K05-080509	AROCLOR 1242	0.01000	05/30/08	50156	N	WS-K05-080509
West Site	K5	WS-K05-100105	AROCLOR 1242	0.01000	01/15/10	64176	N	WS-K05-100105
West Site	K5	WS-K05-100105	AROCLOR 1248	0.00910	01/15/10	64176	N	WS-K05-100105
West Site	K5	WS-K05-100105	AROCLOR 1232	0.01400	01/15/10	64176	N	WS-K05-100105
West Site	K5	WS-K05-100105	AROCLOR 1260	0.00600	01/15/10	64176	N	WS-K05-100105
West Site	K5	WS-K05-100105	AROCLOR 1254	0.00800	01/15/10	64176	Y	WS-K05-100105
West Site	L1	WS-L01-080505	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-L01-080505
West Site	L1	WS-L01-080505	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-L01-080505
West Site	L1	WS-L01-080505	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-L01-080505
West Site	L1	WS-L01-080505	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-L01-080505
West Site	L1	WS-L01-080505	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-L01-080505
West Site	L2	WS-L02-080508	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-L02-080508
West Site	L2	WS-L02-080508	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-L02-080508
West Site	L2	WS-L02-080508	AROCLOR 1248	0.09700	05/22/08	49981	Y	WS-L02-080508
West Site	L2	WS-L02-080508	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-L02-080508
West Site	L2	WS-L02-080508	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-L02-080508
West Site	L2	WS-L02-090319	AROCLOR 1232	0.01400	04/06/09	56714	N	WS-L02-090319
West Site	L2	WS-L02-090319	AROCLOR 1254	0.06200	04/06/09	56714	Y	WS-L02-090319
West Site	L2	WS-L02-090319	AROCLOR 1248	0.00920	04/06/09	56714	N	WS-L02-090319
West Site	L2	WS-L02-090319	AROCLOR 1242	0.01000	04/06/09	56714	N	WS-L02-090319
West Site	L2	WS-L02-090319	AROCLOR 1260	0.00610	04/06/09	56714	N	WS-L02-090319
West Site	L3	WS-L03-080508	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-L03-080508
West Site	L3	WS-L03-080508	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-L03-080508
West Site	L3	WS-L03-080508	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-L03-080508
West Site	L3	WS-L03-080508	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-L03-080508
West Site	L3	WS-L03-080508	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-L03-080508
West Site	L4	WS-L04-080508	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-L04-080508
West Site	L4	WS-L04-080508	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-L04-080508
West Site	L4	WS-L04-080508	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-L04-080508
West Site	L4	WS-L04-080508	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-L04-080508
West Site	L4	WS-L04-080508	AROCLOR 1254	0.02900	05/22/08	49981	Y	WS-L04-080508
West Site	L4	WS-L04-080508	AROCLOR 1248	0.00920	06/05/08	50293	N	DUP-9
West Site	L4	WS-L04-080508	AROCLOR 1242	0.01000	06/05/08	50293	N	DUP-9
West Site	L4	WS-L04-080508	AROCLOR 1260	0.00620	06/05/08	50293	N	DUP-9
West Site	L4	WS-L04-080508	AROCLOR 1232	0.01400	06/05/08	50293	N	DUP-9
West Site	L4	WS-L04-080508	AROCLOR 1254	0.03200	06/05/08	50293	Y	DUP-9
West Site	M1	WS-M01-080505	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-M01-080505
West Site	M1	WS-M01-080505	AROCLOR 1248	0.00930	05/22/08	49981	N	WS-M01-080505

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	M1	WS-M01-080505	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-M01-080505
West Site	M1	WS-M01-080505	AROCLOR 1254	0.01700	05/22/08	49981	Y	WS-M01-080505
West Site	M1	WS-M01-080505	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-M01-080505
West Site	M1	WS-M01-080505	AROCLOR 1260	0.00630	05/30/08	50156	N	DUP-7
West Site	M1	WS-M01-080505	AROCLOR 1242	0.01000	05/30/08	50156	N	DUP-7
West Site	M1	WS-M01-080505	AROCLOR 1254	0.00310	05/30/08	50156	N	DUP-7
West Site	M1	WS-M01-080505	AROCLOR 1232	0.01500	05/30/08	50156	N	DUP-7
West Site	M1	WS-M01-080505	AROCLOR 1248	0.00940	05/30/08	50156	N	DUP-7
West Site	M2	WS-M02-080507	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-M02-080507
West Site	M2	WS-M02-080507	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-M02-080507
West Site	M2	WS-M02-080507	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-M02-080507
West Site	M2	WS-M02-080507	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-M02-080507
West Site	M2	WS-M02-080507	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-M02-080507
West Site	M3	WS-M03-080507	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-M03-080507
West Site	M3	WS-M03-080507	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-M03-080507
West Site	M3	WS-M03-080507	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-M03-080507
West Site	M3	WS-M03-080507	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-M03-080507
West Site	M3	WS-M03-080507	AROCLOR 1254	0.03400	05/22/08	49981	Y	WS-M03-080507
West Site	M3	WS-M03-080507	AROCLOR 1248	0.00920	06/05/08	50261	N	DUP-8
West Site	M3	WS-M03-080507	AROCLOR 1242	0.01000	06/05/08	50261	N	DUP-8
West Site	M3	WS-M03-080507	AROCLOR 1232	0.01400	06/05/08	50261	N	DUP-8
West Site	M3	WS-M03-080507	AROCLOR 1254	0.08200	06/05/08	50261	Y	DUP-8
West Site	M3	WS-M03-080507	AROCLOR 1260	0.00620	06/05/08	50261	N	DUP-8
West Site	M4	WS-M04-080507	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-M04-080507
West Site	M4	WS-M04-080507	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-M04-080507
West Site	M4	WS-M04-080507	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-M04-080507
West Site	M4	WS-M04-080507	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-M04-080507
West Site	M4	WS-M04-080507	AROCLOR 1254	0.30000	05/22/08	49981	Y	WS-M04-080507
West Site	M4	WS-M04-091218	AROCLOR 1232	0.01400	01/05/10	63989	N	WS-M04-091218
West Site	M4	WS-M04-091218	AROCLOR 1248	0.00900	01/05/10	63989	N	WS-M04-091218
West Site	M4	WS-M04-091218	AROCLOR 1254	0.00300	01/05/10	63989	N	WS-M04-091218
West Site	M4	WS-M04-091218	AROCLOR 1260	0.00600	01/05/10	63989	N	WS-M04-091218
West Site	M4	WS-M04-091218	AROCLOR 1242	0.01000	01/05/10	63989	N	WS-M04-091218
West Site	M4	WS-M04-091218	AROCLOR 1248	0.00900	01/11/10	64073	N	DUP-44
West Site	M4	WS-M04-091218	AROCLOR 1260	0.00600	01/11/10	64073	N	DUP-44
West Site	M4	WS-M04-091218	AROCLOR 1242	0.01000	01/11/10	64073	N	DUP-44
West Site	M4	WS-M04-091218	AROCLOR 1232	0.01400	01/11/10	64073	N	DUP-44
West Site	M4	WS-M04-091218	AROCLOR 1254	0.00300	01/11/10	64073	N	DUP-44
West Site	N1	WS-N01-080506	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-N01-080506
West Site	N1	WS-N01-080506	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-N01-080506
West Site	N1	WS-N01-080506	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-N01-080506
West Site	N1	WS-N01-080506	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-N01-080506
West Site	N1	WS-N01-080506	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-N01-080506
West Site	N2	WS-N02-080506	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-N02-080506
West Site	N2	WS-N02-080506	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-N02-080506

PCBs results from 12/16/2010 database								
Site	grid	sample_location	Aroclor	result_value	analysis_ date	batch_id	detect _flag	sample_name
West Site	N2	WS-N02-080506	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-N02-080506
West Site	N2	WS-N02-080506	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-N02-080506
West Site	N2	WS-N02-080506	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-N02-080506
West Site	N3	WS-N03-080507	AROCLOR 1254	0.17000	05/22/08	49981	Y	WS-N03-080507
West Site	N3	WS-N03-080507	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-N03-080507
West Site	N3	WS-N03-080507	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-N03-080507
West Site	N3	WS-N03-080507	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-N03-080507
West Site	N3	WS-N03-080507	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-N03-080507
West Site	N3	WS-N03-091218	AROCLOR 1242	0.01000	01/05/10	63989	N	WS-N03-091218
West Site	N3	WS-N03-091218	AROCLOR 1260	0.00600	01/05/10	63989	N	WS-N03-091218
West Site	N3	WS-N03-091218	AROCLOR 1254	0.00300	01/05/10	63989	N	WS-N03-091218
West Site	N3	WS-N03-091218	AROCLOR 1232	0.01400	01/05/10	63989	N	WS-N03-091218
West Site	N3	WS-N03-091218	AROCLOR 1248	0.00910	01/05/10	63989	N	WS-N03-091218
West Site	O1	WS-O01-080506	AROCLOR 1260	0.00610	05/22/08	49981	N	WS-O01-080506
West Site	O1	WS-O01-080506	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-O01-080506
West Site	O1	WS-O01-080506	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-O01-080506
West Site	O1	WS-O01-080506	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-O01-080506
West Site	O1	WS-O01-080506	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-O01-080506
West Site	O2	WS-O02-080506	AROCLOR 1254	0.00310	05/22/08	49981	N	WS-O02-080506
West Site	O2	WS-O02-080506	AROCLOR 1260	0.00620	05/22/08	49981	N	WS-O02-080506
West Site	O2	WS-O02-080506	AROCLOR 1242	0.01000	05/22/08	49981	N	WS-O02-080506
West Site	O2	WS-O02-080506	AROCLOR 1232	0.01400	05/22/08	49981	N	WS-O02-080506
West Site	O2	WS-O02-080506	AROCLOR 1248	0.00920	05/22/08	49981	N	WS-O02-080506

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

Laboratory Performance Criteria	Criteria	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	81%	Decachlorobiphenyl
Maximum MSD RPD	less than 20%	21%	
Average MSD RPD	N/A	6%	
Measurement Quality Objectives	**Criteria**	**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		0.134 mg/kg See Note 1	

Comments: Low surrogate recoveries (under 50%) are associated with laboratory batches that did not include CVS samples and, therefore, do not suggest a low laboratory measurement bias for 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 matrix interference that results in a 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%) indicate that analyses of manufactured samples at a concentration that is approximately twice the RG is reasonably good. The derived reliance level (0.134 mg/kg) is less than the RG (0.16 mg/kg), due primarily to measurement bias. No CVS results exceed the derived reliance level. Therefore, confidence in decisions regarding achievement of the 4,4'DDE RG is not compromised by bias and precision issues. It is concluded, therefore, that the 4,4'DDE CVS measurements that are necessary to the evaluation of RG achievement are of acceptable quality and may be used to determine RG achievement.

Note 1:The standard deviation of EQIS CRM split analyses (0.025 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)(0.025) = 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	0.016	*Made to*
Median	0.017	*0.02020 mg/kg*
Standard Deviation	0.001	
Sample Variance	0.000	*Upper Acceptance Limit*
Kurtosis	-0.564	*0.02500 mg/kg*
Skewness	-0.480	
Range	0.004	*Lower Acceptance Limit*
Minimum	0.014	*0.00987 mg/kg*
Maximum	0.018	
Sum	0.131	
Count	8.000	
Largest(2)	0.018	
Smallest(2)	0.015	

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-51	0.0003	9/10/10	69734	WS-D03-080620	0.0003	7/15/2008	

[ ] Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	68.709
Median	49.002
Standard Deviation	66.176
Sample Variance	4379.283
Kurtosis	-1.423
Skewness	0.485
Range	168.286
Minimum	0.000
Maximum	168.286
Sum	687.086
Count	10.000
Largest(2)	163.636
Smallest(2)	0.000

Table 4,4'DDE-4: 4,4' EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	0.27	5/29/08	50154	Y		
ES-Z05-080519	0.31	6/6/08	50167	Y	0.29	13.79
ES-Z06-080520	0.31	6/6/08	50167	Y		
ES-Z07-080522	0.3	6/6/08	50167	Y	0.31	3.28
ES-Z08-080527	0.29	6/7/08	50342	Y		
ES-Z09-080529	0.28	6/13/08	50463	Y	0.29	3.51
ES-Z10-080602	0.28	6/24/08	50664	Y		
ES-Z11-080605	0.31	6/30/08	50703	Y	0.30	10.17
ES-Z12-080606-A	0.32	6/30/08	50808	Y		
ES-Z12-080606-B	0.31	6/30/08	50808	Y	0.32	3.17
ES-Z13-080610 A	0.31	7/1/08	50808	Y		
ES-Z13-080610 B	0.3	7/1/08	50808	Y	0.31	3.28
ES-Z14-080611 A	0.31	7/1/08	50839	Y		
ES-Z14-080611 B	0.32	7/1/08	50839	Y	0.32	3.17
WS-Z15-080613 A	0.32	7/1/08	50839	Y		
WS-Z15-080613 B	0.31	7/1/08	50839	Y	0.32	3.17
ES-Z05-080519 B	0.33	7/14/08	51094	Y		
ES-Z06-080520 B	0.33	7/14/08	51094	Y	0.33	0.00
ES-Z07-080522 B	0.29	7/14/08	51094	Y		
ES-Z08-080527 B	0.32	7/14/08	51094	Y	0.31	9.84
ES-Z09-080529 B	0.31	7/14/08	51094	Y		
ES-Z10-080602 B	0.29	7/14/08	51094	Y	0.30	6.67
ES-Z11-080605 B	0.29	7/14/08	51094	Y		
WS-Z01-080430 B	0.31	7/14/08	51094	Y	0.30	6.67
WS-Z16-080617-A	0.25	7/14/08	51095	Y		
WS-Z16-080617-B	0.24	7/14/08	51095	Y	0.25	4.08
WS-Z17-080618 A	0.25	7/14/08	51095	Y		
WS-Z17-080618 B	0.25	7/14/08	51095	Y	0.25	0.00
WS-Z18-080620 A	0.26	7/16/08	51096	Y		
WS-Z18-080620 B	0.27	7/16/08	51096	Y	0.27	3.77
ES-Z19-080624 A	0.31	7/21/08	51155	Y		
ES-Z19-080624 B	0.31	7/21/08	51155	Y	0.31	0.00
ES-Z21-081112 A	0.31	11/25/08	54432	Y		
ES-Z21-081112 B	0.34	11/25/08	54432	Y	0.33	9.23
ES-Z37-100826	0.3	9/10/10	69734	Y		

Analysis of EQIS CRMs	
Mean	0.297
Median	0.310
Standard Deviation	0.025
Sample Variance	0.001
Kurtosis	-0.154
Skewness	-0.774
Range	0.100
Minimum	0.240
Maximum	0.340
Sum	10.410
Count	35.000
Largest(2)	0.330
Smallest(2)	0.250

RPD of EQIS CRMs	
Mean	4.930
Median	3.509
Standard Deviation	3.923
Sample Variance	15.393
Kurtosis	0.066
Skewness	0.772
Range	13.793
Minimum	0.000
Maximum	13.793
Sum	83.808
Count	17.000
Largest(2)	10.169
Smallest(2)	0.000

Table 4,4' DDE-5: 4,4' DDE Laboratory Recoveries

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
82	49894	6	90	49894	6
65	50154	7	92	50154	7
65	50167	12	78	50167	12
73	50341	13	108	50341	13
95	50342	14	100	50342	14
94	50463	15	98	50463	15
90	50664	18	92	50664	18
97	50703	19	92	50664	18
92	50808	21	92	50703	19
134	50839	25	92	50703	19
90	51094	30	99	50808	21
78	51095	31	99	50808	21
86	51096	32	149	50839	25
63	51157	33	60	51094	30
90	51189	34	98	51095	31
85	51155	35	88	51096	32
80	51427	37	92	51157	33
101	54432	38	89	51189	34
99	54815	42	94	51155	35
109	55050	44	99	51427	37
86	69470	64	112	54432	38
89	69733	63	94	54815	42
95	69734	65	77	55050	44
81	70170	67	104	69470	64
			94	69733	63
			98	69734	65
			92	70170	67

Average MS Recovery = 88 %
Minimum MS Recovery = 63 %

Average LCS Recovery = 95 %
Minimum LCS Recovery = 60 %

Table 4,4' DDE-5: 4,4' DDE Laboratory Recoveries Graph

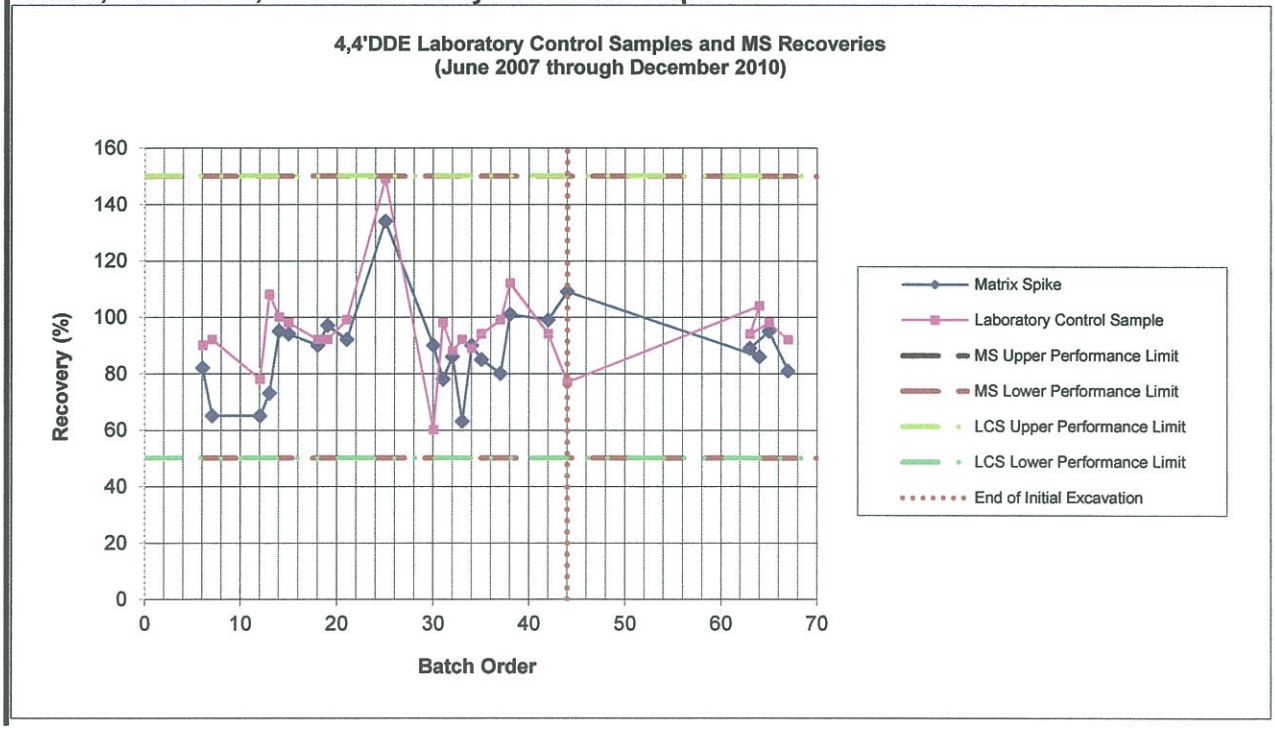


Table 4,4'DDE-6: 4,4' DDE - Laboratory RPDs

Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/28/08	3	49894	6
WS-N03-080507MSD	5/29/08	18	50154	7
WS-K05-080509MSD	6/6/08	9	50167	12
WS-K02-080509MSD	6/6/08	6	50341	13
ES-T08-080522MSD	6/7/08	8	50342	14
ES-S07-080521MSD	6/13/08	0	50463	15
ES-V11-080529MSD	6/21/08	2	50664	18
ES-K02-080602MSD	6/26/08	13	50703	19
ES-L06-080605MSD	6/27/08	3	50808	21
ES-N09-080610MSD	6/30/08	2	50839	25
WS-E04-080613MSD	7/13/08	1	51094	30
WS-I02-080618MSD	7/14/08	5	51095	31
WS-D04-080623MSD	7/15/08	3	51096	32
WS-B04-080626MSD	7/15/08	13	51157	33
ES-N09-080610MSD	7/16/08	2	51189	34
ES-C01-080624MSD	7/21/08	3	51155	35
WS-K02-080509MSD	7/28/08	5	51427	37
ES-K07-081112MSD	11/24/08	15	54432	38
DUP 22MSD	12/11/08	1	54815	42
DUP 24MSD	12/30/08	7	55050	44
BOR-825MSD	9/9/10	21	69470	64
ES-Q07-100818MSD	9/9/10	6	69733	63
DUP-51MSD	9/10/10	4	69734	65
ES-SB3-100901MSD	9/20/10	4	70170	67

Average MSD RPD = 6 %
Maximum MSD RPD = 21 %

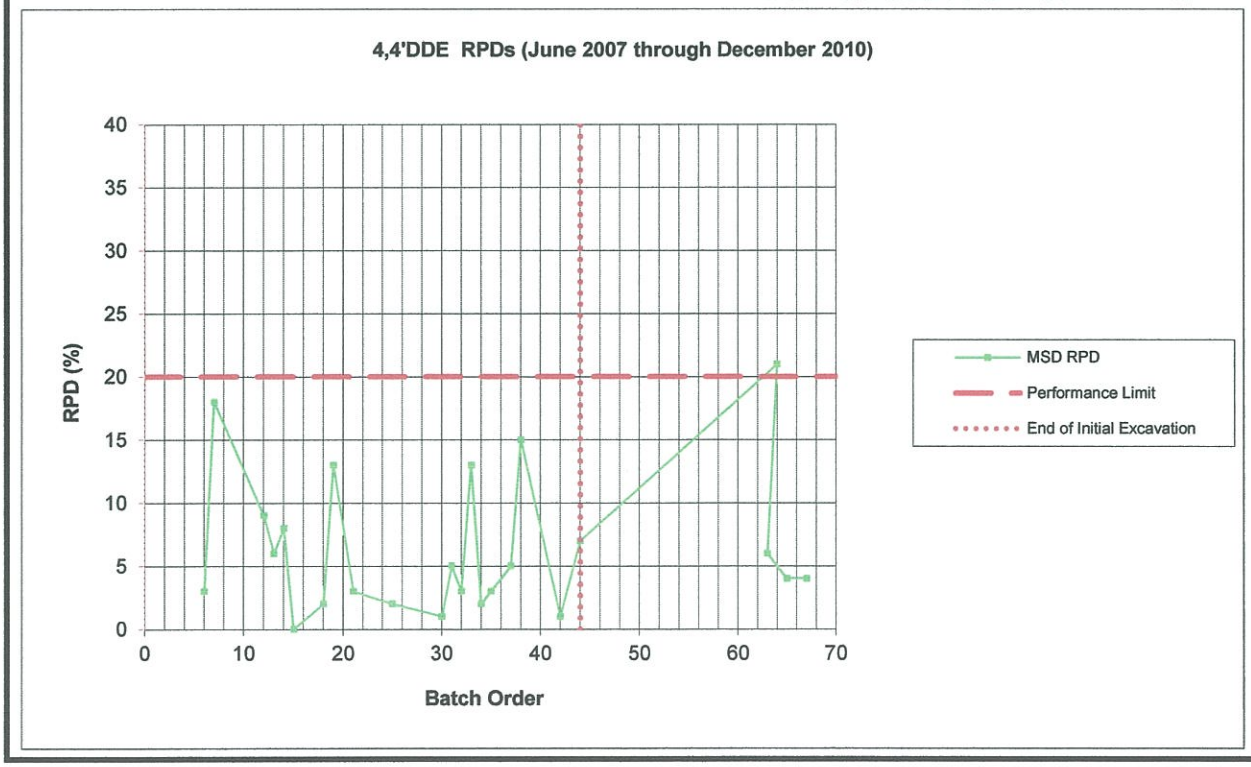


Table 4,4'DDE-7: Method 8081 Surrogate (Decachlorobiphenyl) Recoveries

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

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

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

Table 4,4'DDE-7: Method 8081A Surrogate (Decachlorobiphenyl) Recoveries (Graph)

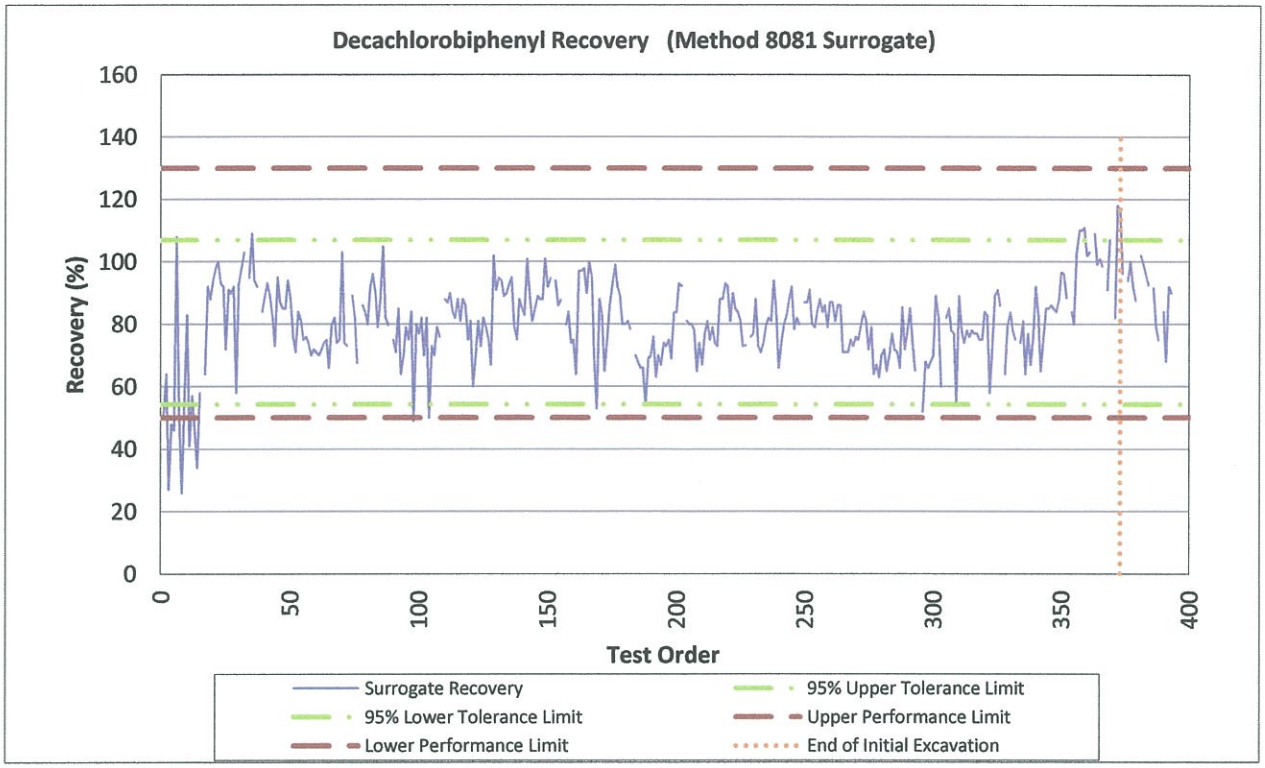


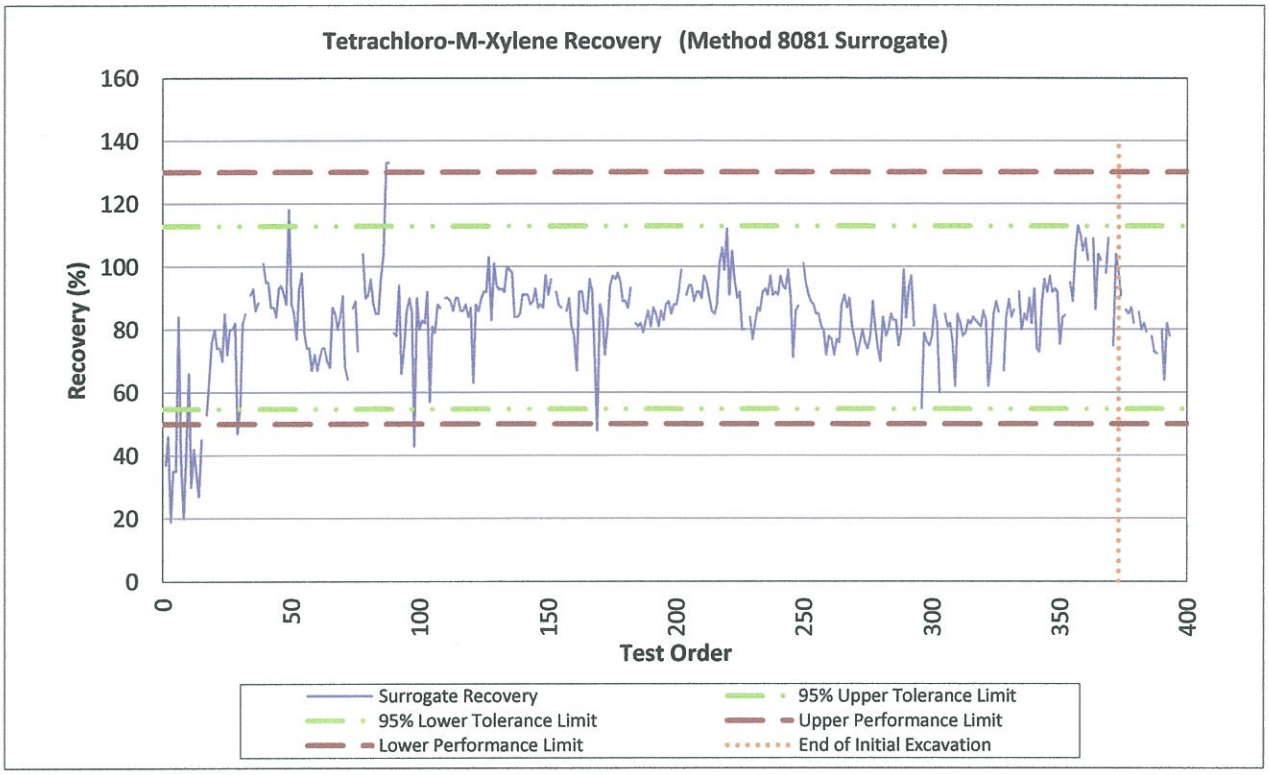
Table 4,4'DDE-8: Method 8081 Surrogate (Tetrachloro-m-xylene) Recoveries

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

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

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

Table 4,4'DDE-8: Method 8081A Surrogate (Tetrachloro-m-xylene) Recoveries (Graph)



4,4'DDE Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	A1	ES-A01-080623	4,4'-DDE	0.0046	21-Jul-08	51155	Y	ES-A01-080623
East	B1	ES-B01-080623	4,4'-DDE	0.00031	21-Jul-08	51155	N	ES-B01-080623
East	C1	ES-C01-080624	4,4'-DDE	0.0019	21-Jul-08	51155	Y	ES-C01-080624
East	D1	ES-D01-080624	4,4'-DDE	0.00031	21-Jul-08	51155	N	ES-D01-080624
East	E1	ES-E01-080528	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-E01-080528
East	E2	ES-E02-080611	4,4'-DDE	0.00031	30-Jun-08	50839	N	ES-E02-080611
East	F1	ES-F01-080529	4,4'-DDE	0.00031	21-Jun-08	50664	N	ES-F01-080529
East	F1	ES-F01-080529	4,4'-DDE	0.0036	14-Jul-08	51095	Y	DUP-17
East	G1	ES-G01-080529	4,4'-DDE	0.00031	21-Jun-08	50664	N	ES-G01-080529
East	G2	ES-G02-080605	4,4'-DDE	0.00031	27-Jun-08	50703	N	ES-G02-080605
East	H1	ES-H01-080528	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-H01-080528
East	H2	ES-H02-080515	4,4'-DDE	0.00031	06-Jun-08	50341	N	ES-H02-080515
East	H3	ES-H03-080605	4,4'-DDE	0.00031	26-Jun-08	50703	N	ES-H03-080605
East	I1	ES-I01-080529	4,4'-DDE	0.00031	21-Jun-08	50664	N	ES-I01-080529
East	I2	ES-I02-080514	4,4'-DDE	0.00031	06-Jun-08	50341	N	ES-I02-080514
East	I3	ES-I03-080513	4,4'-DDE	0.00031	06-Jun-08	50341	N	ES-I03-080513
East	I4	ES-I04-080602	4,4'-DDE	0.00031	23-Jun-08	50664	N	ES-I04-080602
East	J1	ES-J01-080529	4,4'-DDE	0.001	21-Jun-08	50664	Y	ES-J01-080529
East	J2	ES-J02-080527	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-J02-080527
East	J2	ES-J02-080527	4,4'-DDE	0.00031	30-Jun-08	50839	N	DUP-15
East	J3	ES-J03-080513	4,4'-DDE	0.0003	06-Jun-08	50341	N	ES-J03-080513
East	J3	ES-J03-080513	4,4'-DDE	0.0003	30-Jun-08	50703	N	DUP-11
East	J4	ES-J04-080530	4,4'-DDE	0.0031	23-Jun-08	50664	Y	ES-J04-080530
East	J4	ES-J04-080530	4,4'-DDE	0.00031	15-Jul-08	51096	N	DUP-18
East	J5	ES-J05-080602	4,4'-DDE	0.00031	23-Jun-08	50664	N	ES-J05-080602
East	K1	ES-K01-080602	4,4'-DDE	0.00031	23-Jun-08	50664	N	ES-K01-080602
East	K2	ES-K02-080602	4,4'-DDE	0.00031	26-Jun-08	50703	N	ES-K02-080602
East	K3	ES-K03-080514	4,4'-DDE	0.00031	06-Jun-08	50341	N	ES-K03-080514
East	K4	ES-K04-080527	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-K04-080527
East	K5	ES-K05-080605	4,4'-DDE	0.00031	27-Jun-08	50703	N	ES-K05-080605
East	K5	ES-K05-080605	4,4'-DDE	0.0003	21-Jul-08	51155	N	DUP-19
East	K7	ES-K07-080611	4,4'-DDE	0.0038	30-Jun-08	50839	Y	ES-K07-080611
East	K7	ES-K07-081112	4,4'-DDE	0.0029	24-Nov-08	54432	Y	ES-K07-081112
East	K7	ES-K07-081112	4,4'-DDE	0.0009	30-Dec-08	55050	Y	DUP 24
East	L1	ES-L01-080625	4,4'-DDE	0.00031	15-Jul-08	51157	N	ES-L01-080625
East	L2	ES-L02-080625	4,4'-DDE	0.00031	15-Jul-08	51157	N	ES-L02-080625
East	L3	ES-L03-080604	4,4'-DDE	0.00031	26-Jun-08	50703	N	ES-L03-080604
East	L4	ES-L04-080604	4,4'-DDE	0.00031	26-Jun-08	50703	N	ES-L04-080604
East	L5	ES-L05-080620	4,4'-DDE	0.00031	15-Jul-08	51096	N	ES-L05-080620
East	L6	ES-L06-080605	4,4'-DDE	0.00031	27-Jun-08	50808	N	ES-L06-080605
East	M1	ES-M01-080527	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-M01-080527
East	M2	ES-M02-080519	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-M02-080519
East	M3	ES-M03-080519	4,4'-DDE	0.00031	07-Jun-08	50341	N	ES-M03-080519
East	M4	ES-M04-080515	4,4'-DDE	0.00031	06-Jun-08	50341	N	ES-M04-080515
East	M4	ES-M04-080515	4,4'-DDE	0.00031	28-Jul-08	51427	N	ES-M04-080515
East	M5	ES-M05-080527	4,4'-DDE	0.0003	07-Jun-08	50342	N	ES-M05-080527
East	M6	ES-M06-080520	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-M06-080520

4,4'DDE Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	M7	ES-M07-080612	4,4'-DDE	0.001	01-Jul-08	50839	Y	ES-M07-080612
East	M8	ES-M08-080610	4,4'-DDE	0.00031	30-Jun-08	50808	N	ES-M08-080610
East	M9	ES-M09-080611	4,4'-DDE	0.00031	16-Jul-08	51189	N	ES-M09-080611
East	N2	ES-N02-080528	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-N02-080528
East	N3	ES-N03-080520	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-N03-080520
East	N4	ES-N04-080519	4,4'-DDE	0.00031	06-Jun-08	50341	N	ES-N04-080519
East	N5	ES-N05-080519	4,4'-DDE	0.00031	07-Jun-08	50341	N	ES-N05-080519
East	N6	ES-N06-080527	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-N06-080527
East	N7	ES-N07-080530	4,4'-DDE	0.00031	23-Jun-08	50664	N	ES-N07-080530
East	N7	ES-N07-080530	4,4'-DDE	0.00031	28-Jul-08	51427	N	ES-N07-080530
East	N8	ES-N08-080610	4,4'-DDE	0.00031	27-Jun-08	50808	N	ES-N08-080610
East	N9	ES-N09-080610	4,4'-DDE	0.00031	16-Jul-08	51189	N	ES-N09-080610
East	N10	ES-N10-080610	4,4'-DDE	0.00031	30-Jun-08	50808	N	ES-N10-080610
East	O3	ES-O03-080528	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-O03-080528
East	O4	ES-O04-080515	4,4'-DDE	0.00031	06-Jun-08	50341	N	ES-O04-080515
East	O5	ES-O05-080520	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-O05-080520
East	O6	ES-O06-080529	4,4'-DDE	0.00031	21-Jun-08	50664	N	ES-O06-080529
East	O7	ES-O07-080530	4,4'-DDE	0.0003	23-Jun-08	50664	N	ES-O07-080530
East	O8	ES-O08-080530	4,4'-DDE	0.00031	23-Jun-08	50664	N	ES-O08-080530
East	O9	ES-O09-080610	4,4'-DDE	0.00031	30-Jun-08	50808	N	ES-O09-080610
East	O10	ES-O10-080611	4,4'-DDE	0.0003	30-Jun-08	50839	N	ES-O10-080611
East	P4	ES-P04-080528	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-P04-080528
East	P4	ES-P04-080528	4,4'-DDE	0.00031	14-Jul-08	51095	N	DUP-16
East	P5	ES-P05-080513	4,4'-DDE	0.00031	06-Jun-08	50341	N	ES-P05-080513
East	P6	ES-P06-080515	4,4'-DDE	0.00031	06-Jun-08	50341	N	ES-P06-080515
East	P6	ES-P06-080515	4,4'-DDE	0.00031	27-Jun-08	50808	N	DUP-12
East	P7	ES-P07-080519	4,4'-DDE	0.00031	06-Jun-08	50341	N	ES-P07-080519
East	P7	ES-P07-100818	4,4'-DDE	0.00031	09-Sep-10	69733	N	ES-P07-100818
East	P8	ES-P08-080530	4,4'-DDE	0.00031	23-Jun-08	50664	N	ES-P08-080530
East	P10	ES-P10-080606	4,4'-DDE	0.00031	27-Jun-08	50703	N	ES-P10-080606
East	P11	ES-P11-080606	4,4'-DDE	0.00031	27-Jun-08	50703	N	ES-P11-080606
East	Q5	ES-Q05-080520	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-Q05-080520
East	Q6	ES-Q06-080520	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-Q06-080520
East	Q7	ES-Q07-080519	4,4'-DDE	0.00031	07-Jun-08	50341	N	ES-Q07-080519
East	Q7	ES-Q07-100818	4,4'-DDE	0.00031	09-Sep-10	69733	N	ES-Q07-100818
East	Q8	ES-Q08-080519	4,4'-DDE	0.0003	07-Jun-08	50341	N	ES-Q08-080519
East	Q9	ES-Q09-080612	4,4'-DDE	0.00031	30-Jun-08	50839	N	ES-Q09-080612
East	Q10	ES-Q10-080606	4,4'-DDE	0.00031	27-Jun-08	50703	N	ES-Q10-080606
East	Q11	ES-Q11-080606	4,4'-DDE	0.00031	27-Jun-08	50703	N	ES-Q11-080606
East	Q17	ES-Q17-080609	4,4'-DDE	0.00031	30-Jun-08	50808	N	ES-Q17-080609
East	R5	ES-R05-080521	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-R05-080521
East	R6	ES-R06-080521	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-R06-080521
East	R7	ES-R07-080521	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-R07-080521
East	R8	ES-R08-080519	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-R08-080519
East	R9	ES-R09-080520	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-R09-080520
East	R10	ES-R10-080602	4,4'-DDE	0.00031	23-Jun-08	50664	N	ES-R10-080602
East	R11	ES-R11-080605	4,4'-DDE	0.00031	27-Jun-08	50703	N	ES-R11-080605

4,4'DDE Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	R12	ES-R12-080611	4,4'-DDE	0.00031	30-Jun-08	50839	N	ES-R12-080611
East	R16	ES-R16-080605	4,4'-DDE	0.00031	27-Jun-08	50703	N	ES-R16-080605
East	R17	ES-R17-080606	4,4'-DDE	0.00031	27-Jun-08	50703	N	ES-R17-080606
East	S5	ES-S05-080521	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-S05-080521
East	S6	ES-S06-080521	4,4'-DDE	0.00031	13-Jun-08	50463	N	ES-S06-080521
East	S7	ES-S07-080521	4,4'-DDE	0.00041	13-Jun-08	50463	Y	ES-S07-080521
East	S8	ES-S08-080522	4,4'-DDE	0.0003	07-Jun-08	50342	N	ES-S08-080522
East	S9	ES-S09-080522	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-S09-080522
East	S10	ES-S10-080523	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-S10-080523
East	S11	ES-S11-080528	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-S11-080528
East	S12	ES-S12-080609	4,4'-DDE	0.00031	27-Jun-08	50808	N	ES-S12-080609
East	S13	ES-S13-080610	4,4'-DDE	0.00031	27-Jun-08	50808	N	ES-S13-080610
East	S17	ES-S17-080606	4,4'-DDE	0.00031	27-Jun-08	50703	N	ES-S17-080606
East	S18	ES-S18-080606	4,4'-DDE	0.00031	27-Jun-08	50703	N	ES-S18-080606
East	T7	ES-T07-080612	4,4'-DDE	0.00031	16-Jul-08	51189	N	ES-T07-080612
East	T8	ES-T08-080522	4,4'-DDE	0.0003	07-Jun-08	50342	N	ES-T08-080522
East	T8	ES-T08-080522	4,4'-DDE	0.00031	01-Jul-08	50808	N	DUP-13
East	T9	ES-T09-080522	4,4'-DDE	0.0003	07-Jun-08	50342	N	ES-T09-080522
East	T10	ES-T10-080523	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-T10-080523
East	T10	ES-T10-080523	4,4'-DDE	0.00031	30-Jun-08	50839	N	DUP-14
East	T11	ES-T11-080530	4,4'-DDE	0.00031	23-Jun-08	50664	N	ES-T11-080530
East	T12	ES-T12-080609	4,4'-DDE	0.00031	27-Jun-08	50808	N	ES-T12-080609
East	T13	ES-T13-080609	4,4'-DDE	0.00031	27-Jun-08	50808	N	ES-T13-080609
East	T14	ES-T14-080610	4,4'-DDE	0.00031	30-Jun-08	50808	N	ES-T14-080610
East	U10	ES-U10-080523	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-U10-080523
East	U11	ES-U11-080602	4,4'-DDE	0.00031	26-Jun-08	50703	N	ES-U11-080602
East	U13	ES-U13-080610	4,4'-DDE	0.00031	27-Jun-08	50808	N	ES-U13-080610
East	U14	ES-U14-080610	4,4'-DDE	0.00031	30-Jun-08	50808	N	ES-U14-080610
East	V11	ES-V11-080529	4,4'-DDE	0.001	21-Jun-08	50664	Y	ES-V11-080529
East	V14	ES-V14-080605	4,4'-DDE	0.00031	26-Jun-08	50703	N	ES-V14-080605
East	W12	ES-W12-080527	4,4'-DDE	0.00031	07-Jun-08	50342	N	ES-W12-080527
West	A4	WS-A04-080626	4,4'-DDE	0.00031	15-Jul-08	51157	N	WS-A04-080626
West	B2	WS-B02-080502	4,4'-DDE	0.00031	29-May-08	50154	N	WS-B02-080502
West	B3	WS-B03-080502	4,4'-DDE	0.00031	29-May-08	50154	N	WS-B03-080502
West	B4	WS-B04-080626	4,4'-DDE	0.00031	15-Jul-08	51157	N	WS-B04-080626
West	B5	WS-B05-080626	4,4'-DDE	0.00031	15-Jul-08	51157	N	WS-B05-080626
West	C1	WS-C01-080501	4,4'-DDE	0.002	28-May-08	49894	Y	WS-C01-080501
West	C1	WS-C01-080501	4,4'-DDE	0.0031	06-Jun-08	50167	Y	DUP-3
West	C2	WS-C02-080428	4,4'-DDE	0.00031	28-May-08	49894	N	WS-C02-080428
West	C3	WS-C03-080620	4,4'-DDE	0.00031	15-Jul-08	51096	N	WS-C03-080620
West	C4	WS-C04-080623	4,4'-DDE	0.00031	21-Jul-08	51155	N	WS-C04-080623
West	C5	WS-C05-080620	4,4'-DDE	0.00031	15-Jul-08	51096	N	WS-C05-080620
West	C6	WS-C06-080624	4,4'-DDE	0.00031	21-Jul-08	51155	N	WS-C06-080624
West	D1	WS-D01-080430	4,4'-DDE	0.0003	28-May-08	49894	N	WS-D01-080430
West	D2	WS-D02-080429	4,4'-DDE	0.00031	28-May-08	49894	N	DUP-2
West	D2	WS-D02-080429	4,4'-DDE	0.00031	28-May-08	49894	N	WS-D02-080429
West	D3	WS-D03-080620	4,4'-DDE	0.00031	15-Jul-08	51096	N	WS-D03-080620

4,4'DDE Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	D3	WS-D03-100803	4,4'-DDE	0.00031	10-Sep-10	69734	N	DUP-51
West	D4	WS-D04-080623	4,4'-DDE	0.00031	14-Jul-08	51096	N	WS-D04-080623
West	D5	WS-D05-080620	4,4'-DDE	0.00031	15-Jul-08	51096	N	WS-D05-080620
West	D6	WS-D06-080619	4,4'-DDE	0.00031	15-Jul-08	51096	N	WS-D06-080619
West	D7	WS-D07-080619	4,4'-DDE	0.00031	15-Jul-08	51096	N	WS-D07-080619
West	E1	WS-E01-080430	4,4'-DDE	0.001	28-May-08	49894	Y	WS-E01-080430
West	E2	WS-E02-080428	4,4'-DDE	0.00031	28-May-08	49894	N	DUP-1
West	E2	WS-E02-080428	4,4'-DDE	0.00031	28-May-08	49894	N	WS-E02-080428
West	E3	WS-E03-080619	4,4'-DDE	0.00031	15-Jul-08	51096	N	WS-E03-080619
West	E4	WS-E04-080613	4,4'-DDE	0.0003	13-Jul-08	51094	N	WS-E04-080613
West	E5	WS-E05-080613	4,4'-DDE	0.00031	30-Jun-08	50839	N	WS-E05-080613
West	E6	WS-E06-080613	4,4'-DDE	0.00031	21-Jul-08	51155	N	WS-E06-080613
West	E7	WS-E07-080613	4,4'-DDE	0.00031	13-Jul-08	51094	N	WS-E07-080613
West	E8	WS-E08-080616	4,4'-DDE	0.00031	14-Jul-08	51095	N	WS-E08-080616
West	F1	WS-F01-080429	4,4'-DDE	0.00031	28-May-08	49894	N	WS-F01-080429
West	F2	WS-F02-080429	4,4'-DDE	0.00031	28-May-08	49894	N	WS-F02-080429
West	F3	WS-F03-080619	4,4'-DDE	0.00031	15-Jul-08	51096	N	WS-F03-080619
West	F4	WS-F04-080616	4,4'-DDE	0.00031	13-Jul-08	51094	N	WS-F04-080616
West	F5	WS-F05-080612	4,4'-DDE	0.00031	13-Jul-08	51094	N	WS-F05-080612
West	F6	WS-F06-080612	4,4'-DDE	0.00031	13-Jul-08	51094	N	WS-F06-080612
West	F7	WS-F07-080617	4,4'-DDE	0.00031	14-Jul-08	51095	N	WS-F07-080617
West	F8	WS-F08-080618	4,4'-DDE	0.0032	14-Jul-08	51095	Y	WS-F08-080618
West	G1	WS-G01-080501	4,4'-DDE	0.0041	28-May-08	49894	Y	WS-G01-080501
West	G1	WS-G01-080501	4,4'-DDE	0.001	06-Jun-08	50167	Y	DUP-4
West	G2	WS-G02-080618	4,4'-DDE	0.00031	15-Jul-08	51096	N	WS-G02-080618
West	G3	WS-G03-080619	4,4'-DDE	0.0003	15-Jul-08	51096	N	WS-G03-080619
West	G4	WS-G04-080616	4,4'-DDE	0.00031	13-Jul-08	51094	N	WS-G04-080616
West	G5	WS-G05-080613	4,4'-DDE	0.00031	30-Jun-08	50839	N	WS-G05-080613
West	G6	WS-G06-080616	4,4'-DDE	0.00031	14-Jul-08	51095	N	WS-G06-080616
West	G7	WS-G07-080617	4,4'-DDE	0.0041	14-Jul-08	51095	Y	WS-G07-080617
West	H1	WS-H01-080501	4,4'-DDE	0.0021	29-May-08	50154	Y	WS-H01-080501
West	H2	WS-H02-080618	4,4'-DDE	0.00031	15-Jul-08	51096	N	WS-H02-080618
West	H3	WS-H03-080619	4,4'-DDE	0.0003	15-Jul-08	51096	N	WS-H03-080619
West	H4	WS-H04-080616	4,4'-DDE	0.00031	14-Jul-08	51095	N	WS-H04-080616
West	H5	WS-H05-080613	4,4'-DDE	0.00031	13-Jul-08	51094	N	WS-H05-080613
West	H5	WS-H05-081110	4,4'-DDE	0.0014	11-Dec-08	54815	Y	DUP 22
West	H6	WS-H06-080617	4,4'-DDE	0.00031	14-Jul-08	51095	N	WS-H06-080617
West	I1	WS-I01-080501	4,4'-DDE	0.0021	29-May-08	50154	Y	WS-I01-080501
West	I1	WS-I01-080501	4,4'-DDE	0.0021	06-Jun-08	50167	Y	DUP-5
West	I2	WS-I02-080618	4,4'-DDE	0.0003	14-Jul-08	51095	N	WS-I02-080618
West	I3	WS-I03-080618	4,4'-DDE	0.0003	14-Jul-08	51095	N	WS-I03-080618
West	I4	WS-I04-080617	4,4'-DDE	0.00031	14-Jul-08	51095	N	WS-I04-080617
West	I5	WS-I05-080617	4,4'-DDE	0.00031	14-Jul-08	51095	N	WS-I05-080617
West	I6	WS-I06-080617	4,4'-DDE	0.0042	14-Jul-08	51095	Y	WS-I06-080617
West	J1	WS-J01-080505	4,4'-DDE	0.0082	29-May-08	50154	Y	WS-J01-080505
West	J1	WS-J01-080505	4,4'-DDE	0.0062	13-Jun-08	50463	Y	DUP-6

4,4'DDE Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	J2	WS-J02-080624	4,4'-DDE	0.00031	21-Jul-08	51155	N	WS-J02-080624
West	J3	WS-J03-080620	4,4'-DDE	0.00031	15-Jul-08	51096	N	WS-J03-080620
West	J4	WS-J04-080617	4,4'-DDE	0.00031	14-Jul-08	51095	N	WS-J04-080617
West	J5	WS-J05-080618	4,4'-DDE	0.015	14-Jul-08	51095	Y	WS-J05-080618
West	K1	WS-K01-080505	4,4'-DDE	0.0041	29-May-08	50154	Y	WS-K01-080505
West	K2	WS-K02-080509	4,4'-DDE	0.0041	06-Jun-08	50341	Y	WS-K02-080509
West	K2	WS-K02-080509	4,4'-DDE	0.0027	28-Jul-08	51427	Y	WS-K02-080509
West	K3	WS-K03-080509	4,4'-DDE	0.0041	06-Jun-08	50341	Y	WS-K03-080509
West	K4	WS-K04-080513	4,4'-DDE	0.00031	06-Jun-08	50341	N	WS-K04-080513
West	K4	WS-K04-080513	4,4'-DDE	0.0003	23-Jun-08	50664	N	DUP-10
West	K5	WS-K05-080509	4,4'-DDE	0.0062	06-Jun-08	50167	Y	WS-K05-080509
West	L1	WS-L01-080505	4,4'-DDE	0.0041	29-May-08	50154	Y	WS-L01-080505
West	L2	WS-L02-080508	4,4'-DDE	0.0031	29-May-08	50154	Y	WS-L02-080508
West	L3	WS-L03-080508	4,4'-DDE	0.0041	29-May-08	50154	Y	WS-L03-080508
West	L4	WS-L04-080508	4,4'-DDE	0.00031	29-May-08	50154	N	WS-L04-080508
West	L4	WS-L04-080508	4,4'-DDE	0.00031	13-Jun-08	50463	N	DUP-9
West	M1	WS-M01-080505	4,4'-DDE	0.0052	29-May-08	50154	Y	WS-M01-080505
West	M1	WS-M01-080505	4,4'-DDE	0.0052	06-Jun-08	50167	Y	DUP-7
West	M2	WS-M02-080507	4,4'-DDE	0.0041	29-May-08	50154	Y	WS-M02-080507
West	M3	WS-M03-080507	4,4'-DDE	0.0041	29-May-08	50154	Y	WS-M03-080507
West	M3	WS-M03-080507	4,4'-DDE	0.0072	07-Jun-08	50342	Y	DUP-8
West	M4	WS-M04-080507	4,4'-DDE	0.0062	29-May-08	50154	Y	WS-M04-080507
West	N1	WS-N01-080506	4,4'-DDE	0.0051	29-May-08	50154	Y	WS-N01-080506
West	N2	WS-N02-080506	4,4'-DDE	0.0031	29-May-08	50154	Y	WS-N02-080506
West	N3	WS-N03-080507	4,4'-DDE	0.0051	29-May-08	50154	Y	WS-N03-080507
West	O1	WS-O01-080506	4,4'-DDE	0.002	29-May-08	50154	Y	WS-O01-080506
West	O2	WS-O02-080506	4,4'-DDE	0.0031	29-May-08	50154	Y	WS-O02-080506

Table Aldrin-1: Aldrin Data Quality Summary

Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	49%	
Minimum Matrix Spike Recovery	greater than 50%	62%	
Minimum Surrogate Recovery	greater than 50%	19%	Tetrachloro-m-xylene
Average LCS Recovery	N/A	93%	
Average Matrix Spike Recovery	N/A	86%	
Average Surrogate Recovery	N/A	81%	Decachlorobiphenyl
Maximum MSD RPD	less than 20%	22%	
Average MSD RPD	N/A	6%	
Measurement Quality Objectives	**Criteria**	**Measured**	
NPS CRM	Recovery greater than.0096	Minimum Recovery =	0.011 mg/kg
EQIS CRM	Recovery greater than 0.0073	Minimum Recovery =	0.011 mg/kg
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	65 %
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 =	60.3 %
NPS Replicate Test (Precision measure)	None	Standard Deviation =	mg/kg
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal	0.01 mg/kg		
Tier 2 Remediation Goal	None		
QC Derived Reliance Level	0.0061 mg/kg See Note 1		

Comments: Low surrogate recoveries (under 50%) are associated with laboratory batches that did not include CVS samples and, therefore, do not suggest a low laboratory measurement bias for CVS samples. A low minimum LCS recovery (49%) accompanied by a high average LCS recovery (93%) indicates that an infrequent analysis problem that may cause a bias toward low measurements. Low minimum and average matrix spike recoveries (62% and 86% respectively) also indicate potential matrix interference is causing a bias towards low measured concentrations. Maximum CRM split analyses RPD (17%) indicate that analyses of manufactured samples at a concentration that is approximately twice the RG is reasonably good. The derived reliance level (0.0061 mg/kg) is less than the RG (0.01 mg/kg), due primarily to measurement bias. Evaluation of individual data points reveals that the less reliable aldrin CVS results were superseded because they pertain to grids that underwent subsequent excavation and CVS that produced acceptable results. Thus, it is concluded that all aldrin CVS results that are necessary for the RG achievement decision in each grid were below the derived reliance level. It is concluded, therefore, that the aldrin CVS measurements that are necessary to the evaluation of RG achievement are of acceptable quality and may be used to determine RG achievement.

Note 1:The standard deviation of EQIS CRM split analyses (0.0014 mg/kg) is used to represent measurement imprecision near the RG and is used with an estimate of bias from NPS CRMs (average recovery = 60.3%) to calculate the derived reliance level (0.0061 mg/kg). Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.010)(1.2)(.603)-(0.84)(0.0014) = 0.0061 mg/kg

Table Aldrin-2: Aldrin NPS CRMs

Blind NPS CRM Results

Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 53	0.012	6/6/08	50341	Y
BO 50,55,58,72	0.012	6/23/08	50664	Y
BOR SAMPLES 76,79,82	0.013	7/13/08	51094	Y
BOR 102-96-99-105	0.012	7/15/08	51096	Y
BOR 101	0.012	7/21/08	51155	Y
BOR 103,97,100,106	0.011	7/21/08	51155	Y
BOR200	0.013	11/24/08	54432	Y
BOR201	0.012	11/24/08	54432	Y

CRMs		Vendor Supplied Information
Mean	0.012	*Made to*
Median	0.012	*0.02010 mg/kg*
Standard Deviation	0.001	
Sample Variance	0.000	*Upper Acceptance Limit*
Kurtosis	0.741	*0.02440 mg/kg*
Skewness	-0.068	
Range	0.002	*Lower Acceptance Limit*
Minimum	0.011	*0.00948 mg/kg*
Maximum	0.013	
Sum	0.097	
Count	8.000	
Largest(2)	0.013	
Smallest(2)	0.012	

Table Aldrin-3: Aldrin NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 500	0.0005	6/6/08	50341	WS-F01-080429	0.0005	5/28/2008	
BOR 501	0.0005	6/7/08	50342	WS-L04-080508	0.0005	5/29/2008	
BOR 505	0.0005	6/23/08	50664	WS-K03-080509	0.0005	6/6/2008	
BOR 506	0.0005	6/30/08	50839	ES-S10-080523	0.0005	6/7/2008	
BOR 504	0.0005	7/13/08	51094	ES-M05-080527	0.0005	6/7/2008	
BOR 507	0.0005	7/15/08	51096	ES-O09-080610	0.0005	6/30/2008	
BOR 502	0.0005	7/21/08	51155	WS-F05-080612	0.0005	7/13/2008	
BOR 508	0.0005	7/21/08	51155	ES-Q11-080606	0.0005	6/27/2008	
BOR 509	0.0005	7/21/08	51155	WS-E06-080613	0.0005	7/21/2008	
BOR 510	0.0005	7/21/08	51155	OU-8HR-080605	0.0005	6/27/2008	
DUP-1	0.0005	5/28/08	49894	WS-E02-080428	0.0005	5/28/2008	
DUP-2	0.0005	5/28/08	49894	WS-D02-080429	0.0005	5/28/2008	
DUP-3	0.0005	6/6/08	50167	WS-C01-080501	0.0005	5/28/2008	
DUP-4	0.0005	6/6/08	50167	WS-G01-080501	0.0005	5/28/2008	
DUP-5	0.0005	6/6/08	50167	WS-I01-080501	0.0005	5/29/2008	
DUP-7	0.0005	6/6/08	50167	WS-M01-080505	0.0005	5/29/2008	
DUP-8	0.0005	6/7/08	50342	WS-M03-080507	0.001	5/29/2008	65
DUP-6	0.0005	6/13/08	50463	WS-J01-080505	0.0005	5/29/2008	
DUP-9	0.0005	6/13/08	50463	WS-L04-080508	0.0005	5/29/2008	
DUP-10	0.0005	6/23/08	50664	WS-K04-080513	0.0005	6/6/2008	
DUP-12	0.0005	6/27/08	50808	ES-P06-080515	0.0005	6/6/2008	
DUP-11	0.0005	6/30/08	50703	ES-J03-080513	0.0005	6/6/2008	
DUP-14	0.0005	6/30/08	50839	ES-T10-080523	0.0005	6/7/2008	
DUP-15	0.0005	6/30/08	50839	ES-J02-080527	0.0005	6/7/2008	
DUP-13	0.0005	7/1/08	50808	ES-T08-080522	0.0005	6/7/2008	
DUP-16	0.0005	7/14/08	51095	ES-P04-080528	0.0005	6/13/2008	
DUP-17	0.0005	7/14/08	51095	ES-F01-080529	0.0005	6/21/2008	
DUP-18	0.0005	7/15/08	51096	ES-J04-080530	0.0005	6/23/2008	
DUP-19	0.0005	7/21/08	51155	ES-K05-080605	0.0005	6/27/2008	
DUP-51	0.0005	9/10/10	69734	WS-D03-080620	0.0005	7/15/2008	

[ ] Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	64.901
Median	64.901
Standard Deviation	
Sample Variance	
Kurtosis	
Skewness	
Range	0.000
Minimum	64.901
Maximum	64.901
Sum	64.901
Count	1.000
Largest(2)	
Smallest(2)	

Table Aldrin-4: Aldrin EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	0.012	5/29/08	50154	Y		
ES-Z05-080519	0.013	6/6/08	50167	Y	0.013	8
ES-Z06-080520	0.013	6/6/08	50167	Y		
ES-Z07-080522	0.012	6/6/08	50167	Y	0.013	8
ES-Z08-080527	0.011	6/7/08	50342	Y		
ES-Z09-080529	0.011	6/13/08	50463	Y	0.011	0
ES-Z10-080602	0.011	6/23/08	50664	Y		
ES-Z11-080605	0.013	6/27/08	50703	Y	0.012	17
ES-Z12-080606-A	0.014	6/27/08	50808	Y		
ES-Z12-080606-B	0.014	6/27/08	50808	Y	0.014	0
ES-Z13-080610 A	0.016	6/30/08	50808	Y		
ES-Z13-080610 B	0.015	6/30/08	50808	Y	0.016	6
ES-Z14-080611 A	0.014	6/30/08	50839	Y		
ES-Z14-080611 B	0.014	6/30/08	50839	Y	0.014	0
WS-Z15-080613 A	0.014	6/30/08	50839	Y		
WS-Z15-080613 B	0.014	6/30/08	50839	Y	0.014	0
ES-Z05-080519 B	0.012	7/13/08	51094	Y		
ES-Z06-080520 B	0.013	7/13/08	51094	Y	0.013	8
ES-Z07-080522 B	0.011	7/13/08	51094	Y		
ES-Z08-080527 B	0.012	7/13/08	51094	Y	0.012	9
ES-Z09-080529 B	0.012	7/13/08	51094	Y		
ES-Z10-080602 B	0.013	7/13/08	51094	Y	0.013	8
WS-Z01-080430 B	0.013	7/13/08	51094	Y		
ES-Z11-080605 B	0.014	7/14/08	51094	Y	0.014	7
WS-Z16-080617-A	0.012	7/14/08	51095	Y		
WS-Z16-080617-B	0.011	7/14/08	51095	Y	0.012	9
WS-Z17-080618 A	0.012	7/14/08	51095	Y		
WS-Z17-080618 B	0.013	7/14/08	51095	Y	0.013	8
WS-Z18-080620 A	0.013	7/15/08	51096	Y		
WS-Z18-080620 B	0.014	7/15/08	51096	Y	0.014	7
ES-Z19-080624 A	0.016	7/21/08	51155	Y		
ES-Z19-080624 B	0.015	7/21/08	51155	Y	0.016	6
ES-Z21-081112 A	0.012	11/24/08	54432	Y		
ES-Z21-081112 B	0.012	11/24/08	54432	Y	0.012	0
ES-Z37-100826	0.011	9/10/10	69734	Y		

Analysis of EQIS CRMs	
Mean	0.013
Median	0.013
Standard Deviation	0.001
Sample Variance	0.000
Kurtosis	-0.396
Skewness	0.433
Range	0.005
Minimum	0.011
Maximum	0.016
Sum	0.452
Count	35.000
Largest(2)	0.016
Smallest(2)	0.011

RPD of EQIS CRMs	
Mean	5.987
Median	7.407
Standard Deviation	4.560
Sample Variance	20.792
Kurtosis	0.478
Skewness	0.173
Range	16.667
Minimum	0.000
Maximum	16.667
Sum	101.776
Count	17.000
Largest(2)	8.696
Smallest(2)	0.000

Table Aldrin-5: Aldrin Laboratory QC Recovery

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
85	49894	6	49	7127060	1
72	50154	7	98	7131171	2
62	50167	12	90	49894	6
75	50341	13	90	50154	7
90	50342	14	75	50167	12
93	50463	15	108	50341	13
80	50664	18	98	50342	14
101	50703	19	98	50463	15
94	50808	21	92	50664	18
130	50839	25	92	50664	18
91	51094	30	90	50703	19
78	51095	31	90	50703	19
86	51096	32	98	50808	21
64	51157	33	98	50808	21
92	51189	34	146	50839	25
93	51155	35	58	51094	30
73	51427	37	101	51095	31
91	54432	38	90	51096	32
100	54815	42	94	51157	33
76	55050	44	92	51189	34
82	69470	64	99	51155	35
86	69733	63	102	51427	37
93	69734	65	112	54432	38
80	70170	67	93	54815	42
			80	55050	44
			95	69470	64
			90	69733	63
			92	69734	65
			82	70170	67

Average MS Recovery = 86 %
Minimum MS Recovery = 62 %

Average LCS Recovery = 93 %
Minimum LCS Recovery = 49 %

Table Aldrin-5: Aldrin Laboratory QC Recovery (Graph)

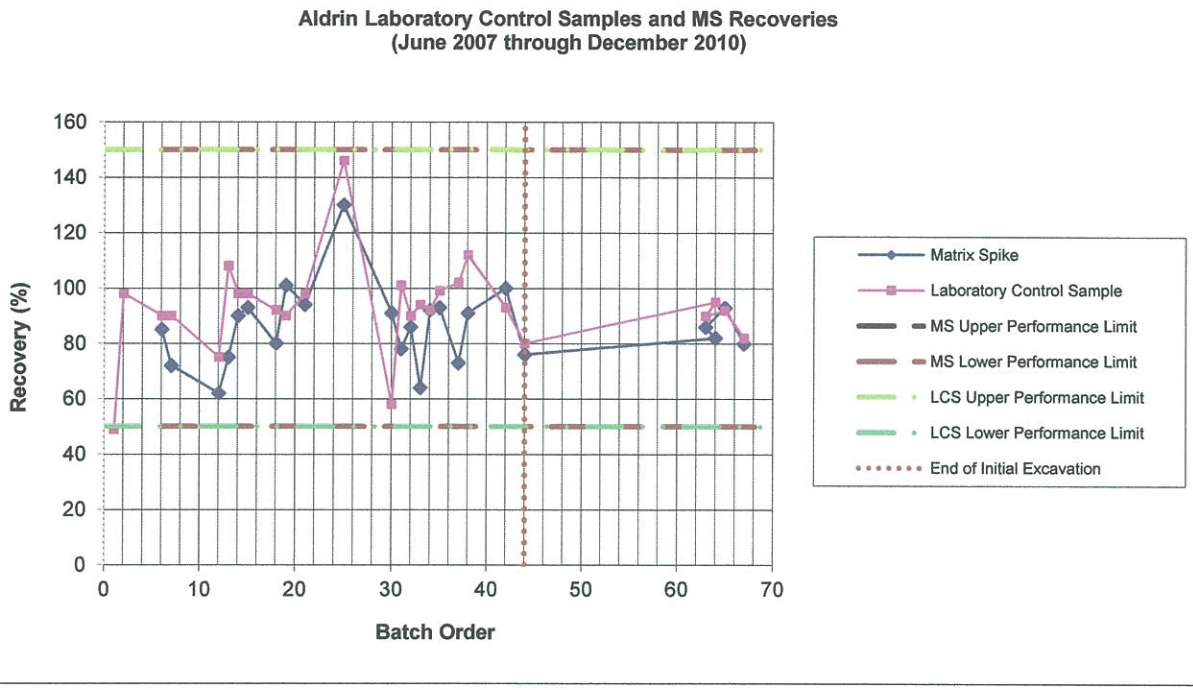


Table Aldrin-6: Aldrin - Laboratory QC RPDs

Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/28/08	3	49894	6
WS-N03-080507MSD	5/29/08	19	50154	7
WS-K05-080509MSD	6/6/08	7	50167	12
WS-K02-080509MSD	6/6/08	3	50341	13
ES-T08-080522MSD	6/7/08	8	50342	14
ES-S07-080521MSD	6/13/08	3	50463	15
ES-V11-080529MSD	6/21/08	1	50664	18
ES-K02-080602MSD	6/26/08	14	50703	19
ES-L06-080605MSD	6/27/08	3	50808	21
ES-N09-080610MSD	6/30/08	2	50839	25
WS-E04-080613MSD	7/13/08	1	51094	30
WS-I02-080618MSD	7/14/08	3	51095	31
WS-D04-080623MSD	7/15/08	4	51096	32
WS-B04-080626MSD	7/15/08	13	51157	33
ES-N09-080610MSD	7/16/08	2	51189	34
ES-C01-080624MSD	7/21/08	5	51155	35
WS-K02-080509MSD	7/28/08	1	51427	37
ES-K07-081112MSD	11/24/08	9	54432	38
DUP 22MSD	12/11/08	4	54815	42
DUP 24MSD	12/30/08	15	55050	44
BOR-825MSD	9/9/10	22	69470	64
ES-Q07-100818MSD	9/9/10	6	69733	63
DUP-51MSD	9/10/10	3	69734	65
ES-SB3-100901MSD	9/20/10	4	70170	67

Average MSD RPD = 6 %
Maximum MSD RPD = 22 %

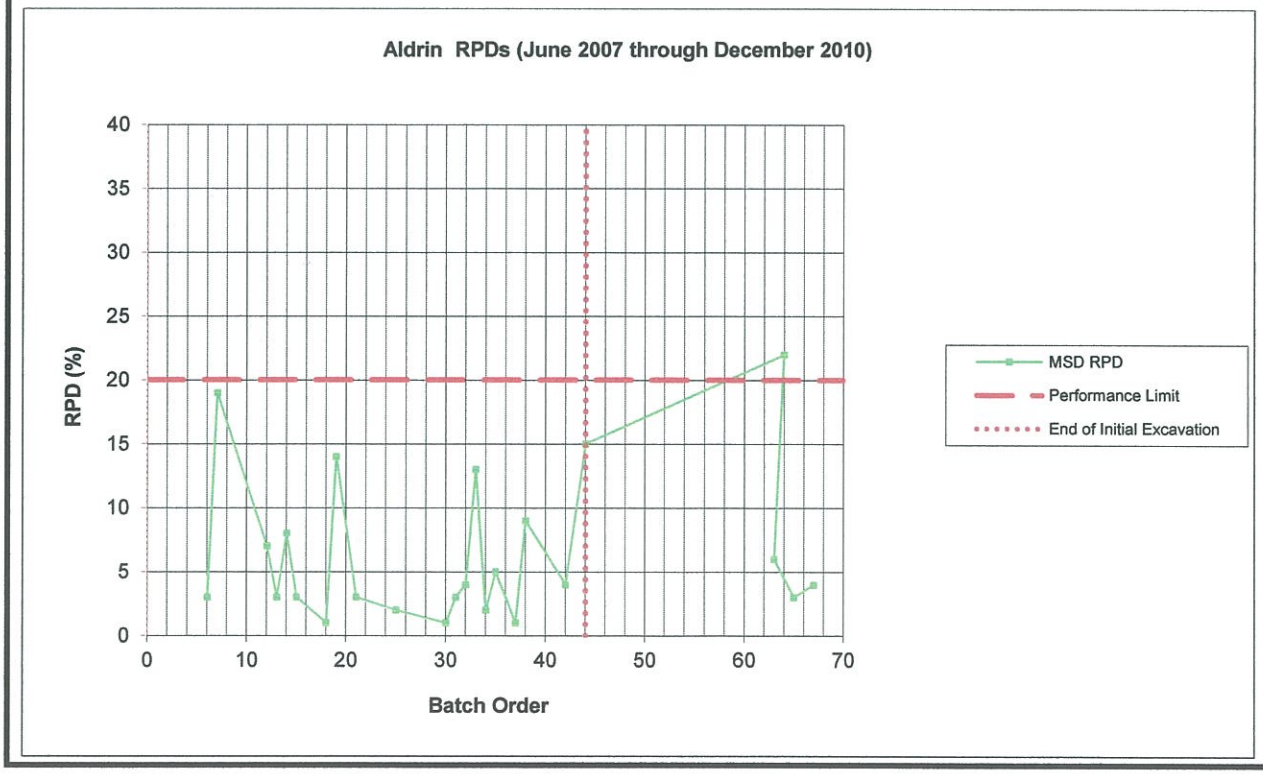


Table Aldrin-7: Method 8081 Surrogate (Decachlorobiphenyl) Recoveries

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

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

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

Table Aldrin-7: Method 8081 Surrogate (Decachlorobiphenyl) Recoveries (Graph)

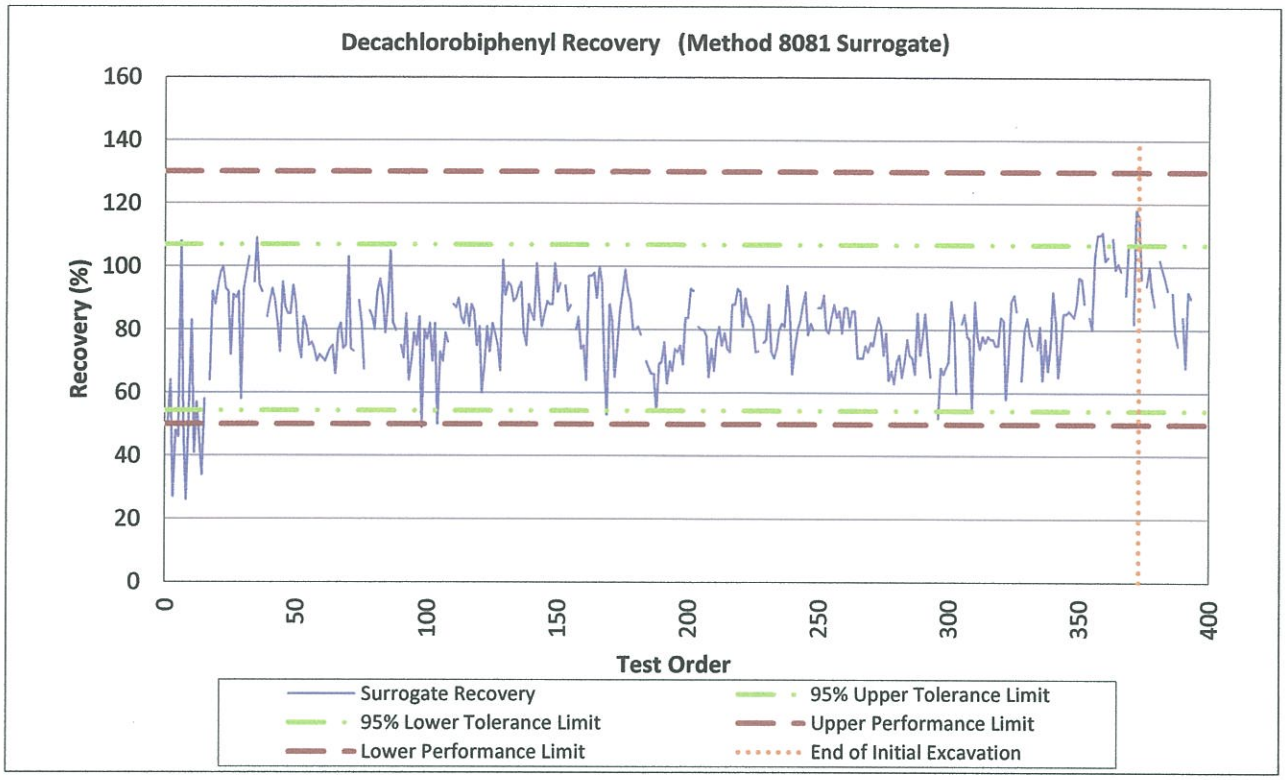


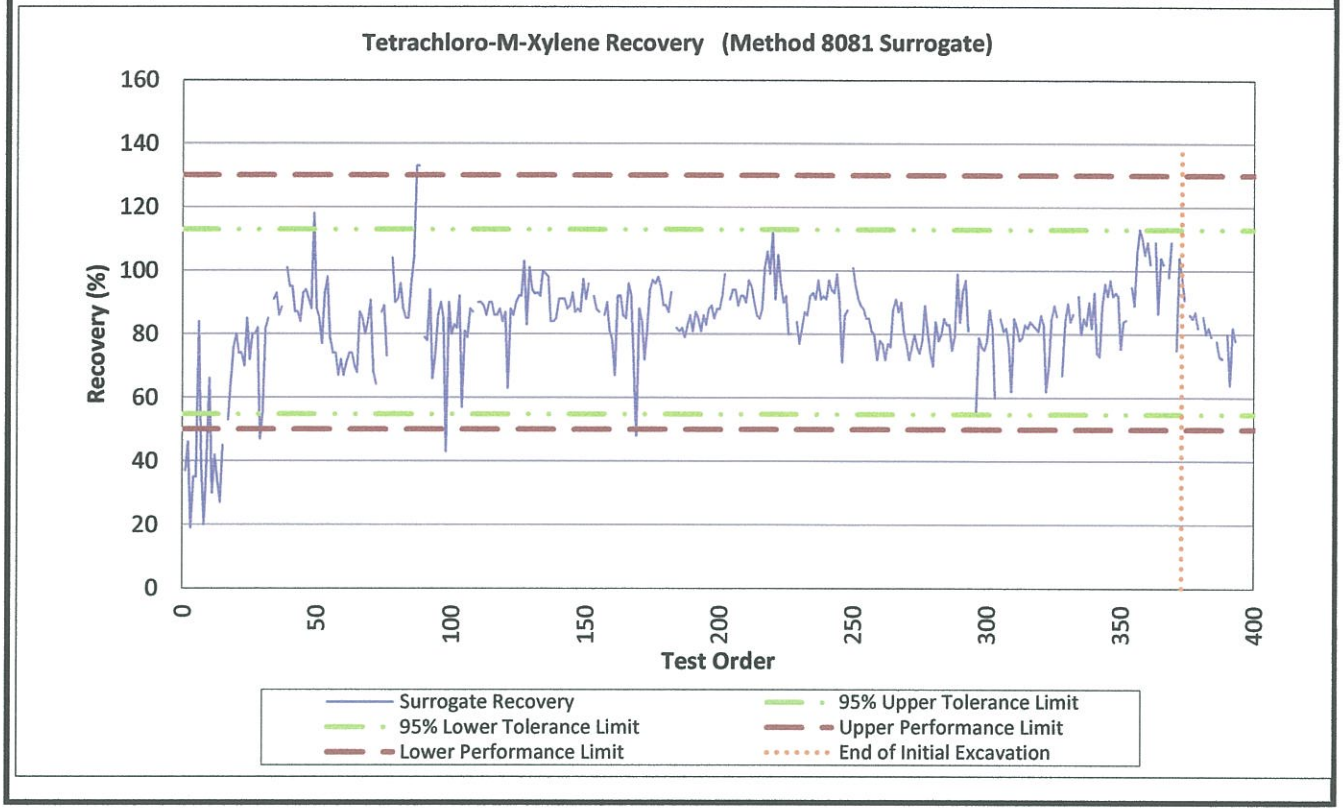
Table Aldrin-8: Method 8081 Surrogate (Tetrachloro-m-xylene) Recoveries

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

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

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

Table Aldrin-8: Method 8081 Surrogate (Tetrachloro-m-xylene) Recoveries (Graph)



ALDRIN Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	A1	ES-A01-080623	ALDRIN	0.00093	21-Jul-08	51155	Y	ES-A01-080623
East	B1	ES-B01-080623	ALDRIN	0.00062	21-Jul-08	51155	Y	ES-B01-080623
East	C1	ES-C01-080624	ALDRIN	0.00051	21-Jul-08	51155	N	ES-C01-080624
East	D1	ES-D01-080624	ALDRIN	0.00051	21-Jul-08	51155	N	ES-D01-080624
East	E1	ES-E01-080528	ALDRIN	0.00051	13-Jun-08	50463	N	ES-E01-080528
East	E2	ES-E02-080611	ALDRIN	0.00051	30-Jun-08	50839	N	ES-E02-080611
East	F1	ES-F01-080529	ALDRIN	0.00051	21-Jun-08	50664	N	ES-F01-080529
East	F1	ES-F01-080529	ALDRIN	0.00051	14-Jul-08	51095	N	DUP-17
East	G1	ES-G01-080529	ALDRIN	0.00051	21-Jun-08	50664	N	ES-G01-080529
East	G2	ES-G02-080605	ALDRIN	0.00051	27-Jun-08	50703	N	ES-G02-080605
East	H1	ES-H01-080528	ALDRIN	0.00051	13-Jun-08	50463	N	ES-H01-080528
East	H2	ES-H02-080515	ALDRIN	0.00051	06-Jun-08	50341	N	ES-H02-080515
East	H3	ES-H03-080605	ALDRIN	0.00051	26-Jun-08	50703	N	ES-H03-080605
East	I1	ES-I01-080529	ALDRIN	0.00051	21-Jun-08	50664	N	ES-I01-080529
East	I2	ES-I02-080514	ALDRIN	0.00051	06-Jun-08	50341	N	ES-I02-080514
East	I3	ES-I03-080513	ALDRIN	0.00051	06-Jun-08	50341	N	ES-I03-080513
East	I4	ES-I04-080602	ALDRIN	0.00051	23-Jun-08	50664	N	ES-I04-080602
East	J1	ES-J01-080529	ALDRIN	0.00051	21-Jun-08	50664	N	ES-J01-080529
East	J2	ES-J02-080527	ALDRIN	0.00051	07-Jun-08	50342	N	ES-J02-080527
East	J2	ES-J02-080527	ALDRIN	0.00051	30-Jun-08	50839	N	DUP-15
East	J3	ES-J03-080513	ALDRIN	0.00051	06-Jun-08	50341	N	ES-J03-080513
East	J3	ES-J03-080513	ALDRIN	0.00051	30-Jun-08	50703	N	DUP-11
East	J4	ES-J04-080530	ALDRIN	0.00051	23-Jun-08	50664	N	ES-J04-080530
East	J4	ES-J04-080530	ALDRIN	0.00051	15-Jul-08	51096	N	DUP-18
East	J5	ES-J05-080602	ALDRIN	0.00051	23-Jun-08	50664	N	ES-J05-080602
East	K1	ES-K01-080602	ALDRIN	0.00051	23-Jun-08	50664	N	ES-K01-080602
East	K2	ES-K02-080602	ALDRIN	0.00051	26-Jun-08	50703	N	ES-K02-080602
East	K3	ES-K03-080514	ALDRIN	0.00051	06-Jun-08	50341	N	ES-K03-080514
East	K4	ES-K04-080527	ALDRIN	0.00051	07-Jun-08	50342	N	ES-K04-080527
East	K5	ES-K05-080605	ALDRIN	0.00051	27-Jun-08	50703	N	ES-K05-080605
East	K5	ES-K05-080605	ALDRIN	0.0005	21-Jul-08	51155	N	DUP-19
East	K7	ES-K07-080611	ALDRIN	0.015	30-Jun-08	50839	Y	ES-K07-080611
East	K7	ES-K07-081112	ALDRIN	0.00052	24-Nov-08	54432	N	ES-K07-081112
East	K7	ES-K07-081112	ALDRIN	0.0005	30-Dec-08	55050	N	DUP 24
East	L1	ES-L01-080625	ALDRIN	0.00051	15-Jul-08	51157	N	ES-L01-080625
East	L2	ES-L02-080625	ALDRIN	0.00051	15-Jul-08	51157	N	ES-L02-080625
East	L3	ES-L03-080604	ALDRIN	0.00051	26-Jun-08	50703	N	ES-L03-080604
East	L4	ES-L04-080604	ALDRIN	0.00051	26-Jun-08	50703	N	ES-L04-080604
East	L5	ES-L05-080620	ALDRIN	0.00051	15-Jul-08	51096	N	ES-L05-080620
East	L6	ES-L06-080605	ALDRIN	0.00051	27-Jun-08	50808	N	ES-L06-080605
East	M1	ES-M01-080527	ALDRIN	0.00051	07-Jun-08	50342	N	ES-M01-080527
East	M2	ES-M02-080519	ALDRIN	0.00051	13-Jun-08	50463	N	ES-M02-080519
East	M3	ES-M03-080519	ALDRIN	0.00051	07-Jun-08	50341	N	ES-M03-080519
East	M4	ES-M04-080515	ALDRIN	0.00051	06-Jun-08	50341	N	ES-M04-080515
East	M4	ES-M04-080515	ALDRIN	0.00051	28-Jul-08	51427	N	ES-M04-080515
East	M5	ES-M05-080527	ALDRIN	0.00051	07-Jun-08	50342	N	ES-M05-080527

ALDRIN Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	M6	ES-M06-080520	ALDRIN	0.00051	13-Jun-08	50463	N	ES-M06-080520
East	M7	ES-M07-080612	ALDRIN	0.00051	01-Jul-08	50839	N	ES-M07-080612
East	M8	ES-M08-080610	ALDRIN	0.00051	30-Jun-08	50808	N	ES-M08-080610
East	M9	ES-M09-080611	ALDRIN	0.00051	16-Jul-08	51189	N	ES-M09-080611
East	N2	ES-N02-080528	ALDRIN	0.00051	07-Jun-08	50342	N	ES-N02-080528
East	N3	ES-N03-080520	ALDRIN	0.00051	13-Jun-08	50463	N	ES-N03-080520
East	N4	ES-N04-080519	ALDRIN	0.00051	06-Jun-08	50341	N	ES-N04-080519
East	N5	ES-N05-080519	ALDRIN	0.00051	07-Jun-08	50341	N	ES-N05-080519
East	N6	ES-N06-080527	ALDRIN	0.00051	07-Jun-08	50342	N	ES-N06-080527
East	N7	ES-N07-080530	ALDRIN	0.00051	23-Jun-08	50664	N	ES-N07-080530
East	N7	ES-N07-080530	ALDRIN	0.00051	28-Jul-08	51427	N	ES-N07-080530
East	N8	ES-N08-080610	ALDRIN	0.00052	27-Jun-08	50808	N	ES-N08-080610
East	N9	ES-N09-080610	ALDRIN	0.00052	16-Jul-08	51189	N	ES-N09-080610
East	N10	ES-N10-080610	ALDRIN	0.00052	30-Jun-08	50808	N	ES-N10-080610
East	O3	ES-O03-080528	ALDRIN	0.00051	07-Jun-08	50342	N	ES-O03-080528
East	O4	ES-O04-080515	ALDRIN	0.00051	06-Jun-08	50341	N	ES-O04-080515
East	O5	ES-O05-080520	ALDRIN	0.00051	13-Jun-08	50463	N	ES-O05-080520
East	O6	ES-O06-080529	ALDRIN	0.00051	21-Jun-08	50664	N	ES-O06-080529
East	O7	ES-O07-080530	ALDRIN	0.00051	23-Jun-08	50664	N	ES-O07-080530
East	O8	ES-O08-080530	ALDRIN	0.00051	23-Jun-08	50664	N	ES-O08-080530
East	O9	ES-O09-080610	ALDRIN	0.00051	30-Jun-08	50808	N	ES-O09-080610
East	O10	ES-O10-080611	ALDRIN	0.00051	30-Jun-08	50839	N	ES-O10-080611
East	P4	ES-P04-080528	ALDRIN	0.00051	13-Jun-08	50463	N	ES-P04-080528
East	P4	ES-P04-080528	ALDRIN	0.00051	14-Jul-08	51095	N	DUP-16
East	P5	ES-P05-080513	ALDRIN	0.00051	06-Jun-08	50341	N	ES-P05-080513
East	P6	ES-P06-080515	ALDRIN	0.00051	06-Jun-08	50341	N	ES-P06-080515
East	P6	ES-P06-080515	ALDRIN	0.00051	27-Jun-08	50808	N	DUP-12
East	P7	ES-P07-080519	ALDRIN	0.00051	06-Jun-08	50341	N	ES-P07-080519
East	P7	ES-P07-100818	ALDRIN	0.00051	09-Sep-10	69733	N	ES-P07-100818
East	P8	ES-P08-080530	ALDRIN	0.00051	23-Jun-08	50664	N	ES-P08-080530
East	P10	ES-P10-080606	ALDRIN	0.00051	27-Jun-08	50703	N	ES-P10-080606
East	P11	ES-P11-080606	ALDRIN	0.00051	27-Jun-08	50703	N	ES-P11-080606
East	Q5	ES-Q05-080520	ALDRIN	0.00051	13-Jun-08	50463	N	ES-Q05-080520
East	Q6	ES-Q06-080520	ALDRIN	0.00051	13-Jun-08	50463	N	ES-Q06-080520
East	Q7	ES-Q07-080519	ALDRIN	0.00051	07-Jun-08	50341	N	ES-Q07-080519
East	Q7	ES-Q07-100818	ALDRIN	0.00052	09-Sep-10	69733	N	ES-Q07-100818
East	Q8	ES-Q08-080519	ALDRIN	0.00051	07-Jun-08	50341	N	ES-Q08-080519
East	Q9	ES-Q09-080612	ALDRIN	0.00051	30-Jun-08	50839	N	ES-Q09-080612
East	Q10	ES-Q10-080606	ALDRIN	0.00051	27-Jun-08	50703	N	ES-Q10-080606
East	Q11	ES-Q11-080606	ALDRIN	0.00051	27-Jun-08	50703	N	ES-Q11-080606
East	Q17	ES-Q17-080609	ALDRIN	0.00051	30-Jun-08	50808	N	ES-Q17-080609
East	R5	ES-R05-080521	ALDRIN	0.00051	13-Jun-08	50463	N	ES-R05-080521
East	R6	ES-R06-080521	ALDRIN	0.00051	13-Jun-08	50463	N	ES-R06-080521
East	R7	ES-R07-080521	ALDRIN	0.00051	13-Jun-08	50463	N	ES-R07-080521
East	R8	ES-R08-080519	ALDRIN	0.00051	13-Jun-08	50463	N	ES-R08-080519
East	R9	ES-R09-080520	ALDRIN	0.00051	13-Jun-08	50463	N	ES-R09-080520

ALDRIN Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	R10	ES-R10-080602	ALDRIN	0.00051	23-Jun-08	50664	N	ES-R10-080602
East	R11	ES-R11-080605	ALDRIN	0.00051	27-Jun-08	50703	N	ES-R11-080605
East	R12	ES-R12-080611	ALDRIN	0.00051	30-Jun-08	50839	N	ES-R12-080611
East	R16	ES-R16-080605	ALDRIN	0.00051	27-Jun-08	50703	N	ES-R16-080605
East	R17	ES-R17-080606	ALDRIN	0.00051	27-Jun-08	50703	N	ES-R17-080606
East	S5	ES-S05-080521	ALDRIN	0.00051	13-Jun-08	50463	N	ES-S05-080521
East	S6	ES-S06-080521	ALDRIN	0.00051	13-Jun-08	50463	N	ES-S06-080521
East	S7	ES-S07-080521	ALDRIN	0.00051	13-Jun-08	50463	N	ES-S07-080521
East	S8	ES-S08-080522	ALDRIN	0.00051	07-Jun-08	50342	N	ES-S08-080522
East	S9	ES-S09-080522	ALDRIN	0.00051	07-Jun-08	50342	N	ES-S09-080522
East	S10	ES-S10-080523	ALDRIN	0.00051	07-Jun-08	50342	N	ES-S10-080523
East	S11	ES-S11-080528	ALDRIN	0.00051	07-Jun-08	50342	N	ES-S11-080528
East	S12	ES-S12-080609	ALDRIN	0.00051	27-Jun-08	50808	N	ES-S12-080609
East	S13	ES-S13-080610	ALDRIN	0.00051	27-Jun-08	50808	N	ES-S13-080610
East	S17	ES-S17-080606	ALDRIN	0.00051	27-Jun-08	50703	N	ES-S17-080606
East	S18	ES-S18-080606	ALDRIN	0.00051	27-Jun-08	50703	N	ES-S18-080606
East	T7	ES-T07-080612	ALDRIN	0.00051	16-Jul-08	51189	N	ES-T07-080612
East	T8	ES-T08-080522	ALDRIN	0.00051	07-Jun-08	50342	N	ES-T08-080522
East	T8	ES-T08-080522	ALDRIN	0.00051	01-Jul-08	50808	N	DUP-13
East	T9	ES-T09-080522	ALDRIN	0.00051	07-Jun-08	50342	N	ES-T09-080522
East	T10	ES-T10-080523	ALDRIN	0.00051	07-Jun-08	50342	N	ES-T10-080523
East	T10	ES-T10-080523	ALDRIN	0.00051	30-Jun-08	50839	N	DUP-14
East	T11	ES-T11-080530	ALDRIN	0.00052	23-Jun-08	50664	N	ES-T11-080530
East	T12	ES-T12-080609	ALDRIN	0.00051	27-Jun-08	50808	N	ES-T12-080609
East	T13	ES-T13-080609	ALDRIN	0.00051	27-Jun-08	50808	N	ES-T13-080609
East	T14	ES-T14-080610	ALDRIN	0.00051	30-Jun-08	50808	N	ES-T14-080610
East	U10	ES-U10-080523	ALDRIN	0.00051	07-Jun-08	50342	N	ES-U10-080523
East	U11	ES-U11-080602	ALDRIN	0.00051	26-Jun-08	50703	N	ES-U11-080602
East	U13	ES-U13-080610	ALDRIN	0.00051	27-Jun-08	50808	N	ES-U13-080610
East	U14	ES-U14-080610	ALDRIN	0.00051	30-Jun-08	50808	N	ES-U14-080610
East	V11	ES-V11-080529	ALDRIN	0.0031	21-Jun-08	50664	Y	ES-V11-080529
East	V14	ES-V14-080605	ALDRIN	0.00051	26-Jun-08	50703	N	ES-V14-080605
East	W12	ES-W12-080527	ALDRIN	0.00051	07-Jun-08	50342	N	ES-W12-080527
West	A4	WS-A04-080626	ALDRIN	0.00051	15-Jul-08	51157	N	WS-A04-080626
West	B2	WS-B02-080502	ALDRIN	0.00052	29-May-08	50154	N	WS-B02-080502
West	B3	WS-B03-080502	ALDRIN	0.00051	29-May-08	50154	N	WS-B03-080502
West	B4	WS-B04-080626	ALDRIN	0.00051	15-Jul-08	51157	N	WS-B04-080626
West	B5	WS-B05-080626	ALDRIN	0.00051	15-Jul-08	51157	N	WS-B05-080626
West	C1	WS-C01-080501	ALDRIN	0.00051	28-May-08	49894	N	WS-C01-080501
West	C1	WS-C01-080501	ALDRIN	0.00051	06-Jun-08	50167	N	DUP-3
West	C2	WS-C02-080428	ALDRIN	0.00051	28-May-08	49894	N	WS-C02-080428
West	C3	WS-C03-080620	ALDRIN	0.00051	15-Jul-08	51096	N	WS-C03-080620
West	C4	WS-C04-080623	ALDRIN	0.00051	21-Jul-08	51155	N	WS-C04-080623
West	C5	WS-C05-080620	ALDRIN	0.00051	15-Jul-08	51096	N	WS-C05-080620
West	C6	WS-C06-080624	ALDRIN	0.00051	21-Jul-08	51155	N	WS-C06-080624
West	D1	WS-D01-080430	ALDRIN	0.00051	28-May-08	49894	N	WS-D01-080430

ALDRIN Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	D2	WS-D02-080429	ALDRIN	0.00051	28-May-08	49894	N	DUP-2
West	D2	WS-D02-080429	ALDRIN	0.00051	28-May-08	49894	N	WS-D02-080429
West	D3	WS-D03-080620	ALDRIN	0.00051	15-Jul-08	51096	N	WS-D03-080620
West	D3	WS-D03-100803	ALDRIN	0.00052	10-Sep-10	69734	N	DUP-51
West	D4	WS-D04-080623	ALDRIN	0.00051	14-Jul-08	51096	N	WS-D04-080623
West	D5	WS-D05-080620	ALDRIN	0.00051	15-Jul-08	51096	N	WS-D05-080620
West	D6	WS-D06-080619	ALDRIN	0.00051	15-Jul-08	51096	N	WS-D06-080619
West	D7	WS-D07-080619	ALDRIN	0.00051	15-Jul-08	51096	N	WS-D07-080619
West	E1	WS-E01-080430	ALDRIN	0.00051	28-May-08	49894	N	WS-E01-080430
West	E2	WS-E02-080428	ALDRIN	0.00051	28-May-08	49894	N	DUP-1
West	E2	WS-E02-080428	ALDRIN	0.00051	28-May-08	49894	N	WS-E02-080428
West	E3	WS-E03-080619	ALDRIN	0.00051	15-Jul-08	51096	N	WS-E03-080619
West	E4	WS-E04-080613	ALDRIN	0.00051	13-Jul-08	51094	N	WS-E04-080613
West	E5	WS-E05-080613	ALDRIN	0.00051	30-Jun-08	50839	N	WS-E05-080613
West	E6	WS-E06-080613	ALDRIN	0.00051	21-Jul-08	51155	N	WS-E06-080613
West	E7	WS-E07-080613	ALDRIN	0.00051	13-Jul-08	51094	N	WS-E07-080613
West	E8	WS-E08-080616	ALDRIN	0.00051	14-Jul-08	51095	N	WS-E08-080616
West	F1	WS-F01-080429	ALDRIN	0.00051	28-May-08	49894	N	WS-F01-080429
West	F2	WS-F02-080429	ALDRIN	0.00051	28-May-08	49894	N	WS-F02-080429
West	F3	WS-F03-080619	ALDRIN	0.00051	15-Jul-08	51096	N	WS-F03-080619
West	F4	WS-F04-080616	ALDRIN	0.00051	13-Jul-08	51094	N	WS-F04-080616
West	F5	WS-F05-080612	ALDRIN	0.00051	13-Jul-08	51094	N	WS-F05-080612
West	F6	WS-F06-080612	ALDRIN	0.00051	13-Jul-08	51094	N	WS-F06-080612
West	F7	WS-F07-080617	ALDRIN	0.00051	14-Jul-08	51095	N	WS-F07-080617
West	F8	WS-F08-080618	ALDRIN	0.00051	14-Jul-08	51095	N	WS-F08-080618
West	G1	WS-G01-080501	ALDRIN	0.00051	28-May-08	49894	N	WS-G01-080501
West	G1	WS-G01-080501	ALDRIN	0.00051	06-Jun-08	50167	N	DUP-4
West	G2	WS-G02-080618	ALDRIN	0.00051	15-Jul-08	51096	N	WS-G02-080618
West	G3	WS-G03-080619	ALDRIN	0.00051	15-Jul-08	51096	N	WS-G03-080619
West	G4	WS-G04-080616	ALDRIN	0.00051	13-Jul-08	51094	N	WS-G04-080616
West	G5	WS-G05-080613	ALDRIN	0.00051	30-Jun-08	50839	N	WS-G05-080613
West	G6	WS-G06-080616	ALDRIN	0.00051	14-Jul-08	51095	N	WS-G06-080616
West	G7	WS-G07-080617	ALDRIN	0.00051	14-Jul-08	51095	N	WS-G07-080617
West	H1	WS-H01-080501	ALDRIN	0.00051	29-May-08	50154	N	WS-H01-080501
West	H2	WS-H02-080618	ALDRIN	0.00051	15-Jul-08	51096	N	WS-H02-080618
West	H3	WS-H03-080619	ALDRIN	0.00051	15-Jul-08	51096	N	WS-H03-080619
West	H4	WS-H04-080616	ALDRIN	0.00051	14-Jul-08	51095	N	WS-H04-080616
West	H5	WS-H05-080613	ALDRIN	0.00051	13-Jul-08	51094	N	WS-H05-080613
West	H5	WS-H05-081110	ALDRIN	0.00051	11-Dec-08	54815	N	DUP 22
West	H6	WS-H06-080617	ALDRIN	0.00051	14-Jul-08	51095	N	WS-H06-080617
West	I1	WS-I01-080501	ALDRIN	0.00053	29-May-08	50154	N	WS-I01-080501
West	I1	WS-I01-080501	ALDRIN	0.00053	06-Jun-08	50167	N	DUP-5
West	I2	WS-I02-080618	ALDRIN	0.00051	14-Jul-08	51095	N	WS-I02-080618
West	I3	WS-I03-080618	ALDRIN	0.00051	14-Jul-08	51095	N	WS-I03-080618
West	I4	WS-I04-080617	ALDRIN	0.00051	14-Jul-08	51095	N	WS-I04-080617
West	I5	WS-I05-080617	ALDRIN	0.00051	14-Jul-08	51095	N	WS-I05-080617

ALDRIN Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	I6	WS-I06-080617	ALDRIN	0.00081	14-Jul-08	51095	Y	WS-I06-080617
West	J1	WS-J01-080505	ALDRIN	0.00051	29-May-08	50154	N	WS-J01-080505
West	J1	WS-J01-080505	ALDRIN	0.00051	13-Jun-08	50463	N	DUP-6
West	J2	WS-J02-080624	ALDRIN	0.00051	21-Jul-08	51155	N	WS-J02-080624
West	J3	WS-J03-080620	ALDRIN	0.00051	15-Jul-08	51096	N	WS-J03-080620
West	J4	WS-J04-080617	ALDRIN	0.00052	14-Jul-08	51095	N	WS-J04-080617
West	J5	WS-J05-080618	ALDRIN	0.00051	14-Jul-08	51095	N	WS-J05-080618
West	K1	WS-K01-080505	ALDRIN	0.00051	29-May-08	50154	N	WS-K01-080505
West	K2	WS-K02-080509	ALDRIN	0.00051	06-Jun-08	50341	N	WS-K02-080509
West	K2	WS-K02-080509	ALDRIN	0.00051	28-Jul-08	51427	N	WS-K02-080509
West	K3	WS-K03-080509	ALDRIN	0.00051	06-Jun-08	50341	N	WS-K03-080509
West	K4	WS-K04-080513	ALDRIN	0.00051	06-Jun-08	50341	N	WS-K04-080513
West	K4	WS-K04-080513	ALDRIN	0.0005	23-Jun-08	50664	N	DUP-10
West	K5	WS-K05-080509	ALDRIN	0.00051	06-Jun-08	50167	N	WS-K05-080509
West	L1	WS-L01-080505	ALDRIN	0.00051	29-May-08	50154	N	WS-L01-080505
West	L2	WS-L02-080508	ALDRIN	0.00051	29-May-08	50154	N	WS-L02-080508
West	L3	WS-L03-080508	ALDRIN	0.00051	29-May-08	50154	N	WS-L03-080508
West	L4	WS-L04-080508	ALDRIN	0.00051	29-May-08	50154	N	WS-L04-080508
West	L4	WS-L04-080508	ALDRIN	0.00051	13-Jun-08	50463	N	DUP-9
West	M1	WS-M01-080505	ALDRIN	0.00052	29-May-08	50154	N	WS-M01-080505
West	M1	WS-M01-080505	ALDRIN	0.00052	06-Jun-08	50167	N	DUP-7
West	M2	WS-M02-080507	ALDRIN	0.00051	29-May-08	50154	N	WS-M02-080507
West	M3	WS-M03-080507	ALDRIN	0.001	29-May-08	50154	Y	WS-M03-080507
West	M3	WS-M03-080507	ALDRIN	0.00051	07-Jun-08	50342	N	DUP-8
West	M4	WS-M04-080507	ALDRIN	0.00051	29-May-08	50154	N	WS-M04-080507
West	N1	WS-N01-080506	ALDRIN	0.00051	29-May-08	50154	N	WS-N01-080506
West	N2	WS-N02-080506	ALDRIN	0.00051	29-May-08	50154	N	WS-N02-080506
West	N3	WS-N03-080507	ALDRIN	0.00051	29-May-08	50154	N	WS-N03-080507
West	O1	WS-O01-080506	ALDRIN	0.00051	29-May-08	50154	N	WS-O01-080506
West	O2	WS-O02-080506	ALDRIN	0.00051	29-May-08	50154	N	WS-O02-080506

Table Alpha-BHC-1: Alpha BHC Data Quality Summary

Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	61%	
Minimum Matrix Spike Recovery	greater than 50%	64%	
Minimum Surrogate Recovery	greater than 50%	19%	Tetrachloro-m-xylene
Average LCS Recovery	N/A	96%	
Average Matrix Spike Recovery	N/A	93%	
Average Surrogate Recovery	N/A	81%	Decachlorobiphenyl
Maximum MSD RPD	less than 20%	23%	
Average MSD RPD	N/A	6%	
Measurement Quality Objectives	**Criteria**	**Measured**	
NPS CRM	Recovery greater than 0.00128	Minimum Recovery =	0.0006 mg/kg
EQIS CRM	None Available	Minimum Recovery =	
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	50 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	13 %
Overall QC Indicator Measurements	**Criteria**	**Measured**	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	30.6 %
NPS Replicate Test (Precision measure)	None	Standard Deviation =	mg/kg

Data Quality Relative to Remediation Goals		
Tier 1 Remediation Goal	0.003	mg/kg
Tier 2 Remediation Goal	None	
QC Derived Reliance Level	0.00091	mg/kg See Note 1

Comments: Low surrogate recoveries (under 50%) are associated with laboratory batches that did not include CVS samples and, therefore, do not suggest a low laboratory measurement bias for CVS samples. A low minimum LCS recovery (61%) accompanied by a high average LCS recovery (96%) indicates that an infrequent analysis problem may cause a bias toward low measurements. Low minimum matrix spike (MS) recovery (64%) accompanied by an average MS recovery of 93% also indicates that there is an infrequent interference that causes a bias towards low measured concentrations. Maximum CRM split analyses RPD (17%) indicate analyses precision for manufactured samples at a concentration that is approximately twice the RG and is reasonably good. However, a high MSD RPD (23%) and failure to recover alpha-BHC at concentrations above the vendor supplied lower acceptance limit (0.00128 mg/kg) from NPS CRMs having a "made to" concentration (0.00306 mg/kg), which is near the RG (.0030 mg/kg), are indications of imprecision and inaccuracy. The derived reliance level is less than the RG (0.003 mg/kg), due primarily to measurement bias. Evaluation of individual data points reveals that the less reliable alpha-BHC CVS results were superseded (except in West Site grids J1, K3, and M1), because they pertain to grids that underwent subsequent excavation and CVS that produced acceptable results. Thus, it is concluded that all alpha-BHC CVS results that are necessary for the RG achievement decision in each grid were below the derived reliance level (except for West Site grids J1, K3, and M1) so for these grids, confidence that the alpha-BHC RG was achieved is not compromised. With respect to West Site grids J1, K3, and M1, we take note of the fact that duplicate tests on splits representing Grids J1 and M1 yielded measurements for alpha-BHC that are less than the derived reliance level, thereby providing confidence in the quality of measurements and the associated decision related to alpha-BHC RG achievement. The Grid K3 concentration, 0.001, is very close to the derived reliance level. Considering all of the above information, a review of related QC data, and noting the absence of any other pesticide in K3, it is determined that confidence in a decision for achievement of the alpha-BHC RG in grid K3 will not be compromised by bias and precision issues. It is concluded, therefore, that the alpha-BHC CVS measurements that are necessary to the evaluation of RG achievement are of acceptable quality and may be used to determine RG achievement.

Note 1: The standard deviation and recovery of NPS CRM split analyses, 0.0002 mg/kg and 30.6% respectively, are used to represent measurement precision and accuracy near the RG for calculation of the derived reliance level (0.00091 mg/kg). Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.003)(1.2)(.306)-(0.84)(0.0002) = 0.00091 mg/kg

Table Alpha-BHC-2: Alpha BHC - NPS CRMs

Blind NPS CRM Results

Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 53	0.001	6/6/08	50341	Y
BO 50,55,58,72	0.001	6/23/08	50664	Y
BOR SAMPLES 76,79,82	0.0011	7/13/08	51094	Y
BOR 102-96-99-105	0.0009	7/15/08	51096	Y
BOR 101	0.0006	7/21/08	51155	N
BOR 103,97,100,106	0.0006	7/21/08	51155	N
BOR200	0.0012	11/24/08	54432	Y
BOR201	0.0011	11/24/08	54432	Y

CRMs		Vendor Supplied Information
Mean	0.0009	*Made to*
Median	0.0010	*0.00306 mg/kg*
Standard Deviation	0.0002	
Sample Variance	0.0000	*Upper Acceptance Limit*
Kurtosis	-0.7067	*0.00374 mg/kg*
Skewness	-0.8173	
Range	0.0006	*Lower Acceptance Limit*
Minimum	0.0006	*0.00128 mg/kg*
Maximum	0.0012	
Sum	0.0075	
Count	8.0000	
Largest(2)	0.0011	
Smallest(2)	0.0006	

Table Alpha-BHC-3: Alpha BHC NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 500	0.0006	6/6/08	50341	WS-F01-080429	0.00061	5/28/2008	
BOR 501	0.0006	6/7/08	50342	WS-L04-080508	0.00061	5/29/2008	
BOR 505	0.0006	6/23/08	50664	WS-K03-080509	0.001	6/6/2008	50
BOR 506	0.0006	6/30/08	50839	ES-S10-080523	0.00061	6/7/2008	
BOR 504	0.0006	7/13/08	51094	ES-M05-080527	0.00061	6/7/2008	
BOR 507	0.0006	7/15/08	51096	ES-O09-080610	0.00062	6/30/2008	
BOR 502	0.0006	7/21/08	51155	WS-F05-080612	0.00061	7/13/2008	
BOR 508	0.0006	7/21/08	51155	ES-Q11-080606	0.00061	6/27/2008	
BOR 509	0.0006	7/21/08	51155	WS-E06-080613	0.00061	7/21/2008	
BOR 510	0.0006	7/21/08	51155	OU-8HR-080605	0.00061	6/27/2008	
DUP-1	0.0006	5/28/08	49894	WS-E02-080428	0.00062	5/28/2008	
DUP-2	0.0006	5/28/08	49894	WS-D02-080429	0.00062	5/28/2008	
DUP-3	0.0006	6/6/08	50167	WS-C01-080501	0.00061	5/28/2008	
DUP-4	0.0006	6/6/08	50167	WS-G01-080501	0.00062	5/28/2008	
DUP-5	0.0006	6/6/08	50167	WS-I01-080501	0.00064	5/29/2008	
DUP-7	0.0006	6/6/08	50167	WS-M01-080505	0.001	5/29/2008	45
DUP-8	0.0006	6/7/08	50342	WS-M03-080507	0.00061	5/29/2008	
DUP-6	0.0006	6/13/08	50463	WS-J01-080505	0.001	5/29/2008	47
DUP-9	0.0006	6/13/08	50463	WS-L04-080508	0.00061	5/29/2008	
DUP-10	0.0006	6/23/08	50664	WS-K04-080513	0.00061	6/6/2008	
DUP-12	0.0006	6/27/08	50808	ES-P06-080515	0.00061	6/6/2008	
DUP-11	0.0006	6/30/08	50703	ES-J03-080513	0.00061	6/6/2008	
DUP-14	0.0006	6/30/08	50839	ES-T10-080523	0.00061	6/7/2008	
DUP-15	0.0006	6/30/08	50839	ES-J02-080527	0.00061	6/7/2008	
DUP-13	0.0006	7/1/08	50808	ES-T08-080522	0.00061	6/7/2008	
DUP-16	0.0006	7/14/08	51095	ES-P04-080528	0.00061	6/13/2008	
DUP-17	0.0006	7/14/08	51095	ES-F01-080529	0.00061	6/21/2008	
DUP-18	0.0006	7/15/08	51096	ES-J04-080530	0.00062	6/23/2008	
DUP-19	0.0006	7/21/08	51155	ES-K05-080605	0.00061	6/27/2008	
DUP-51	0.0006	9/10/10	69734	WS-D03-080620	0.00061	7/15/2008	

[ ] Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	47.437
Median	46.914
Standard Deviation	2.345
Sample Variance	5.499
Kurtosis	
Skewness	0.955
Range	4.601
Minimum	45.399
Maximum	50.000
Sum	142.312
Count	3.000
Largest(2)	46.914
Smallest(2)	46.914

Table Alpha-BHC-4: Alpha BHC EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	0.0051	5/29/08	50154	Y		
ES-Z05-080519	0.0051	6/6/08	50167	Y	0.005	0
ES-Z06-080520	0.0042	6/6/08	50167	Y		
ES-Z07-080522	0.004	6/6/08	50167	Y	0.004	5
ES-Z08-080527	0.004	6/7/08	50342	Y		
ES-Z09-080529	0.0041	6/13/08	50463	Y	0.004	2
ES-Z10-080602	0.0041	6/23/08	50664	Y		
ES-Z11-080605	0.0045	6/27/08	50703	Y	0.004	9
ES-Z12-080606-A	0.005	6/27/08	50808	Y		
ES-Z12-080606-B	0.0048	6/27/08	50808	Y	0.005	4
ES-Z13-080610 A	0.0057	6/30/08	50808	Y		
ES-Z13-080610 B	0.0052	6/30/08	50808	Y	0.005	9
ES-Z14-080611 A	0.0046	6/30/08	50839	Y		
ES-Z14-080611 B	0.0046	6/30/08	50839	Y	0.005	0
WS-Z15-080613 A	0.005	6/30/08	50839	Y		
WS-Z15-080613 B	0.0049	6/30/08	50839	Y	0.005	2
ES-Z05-080519 B	0.0042	7/13/08	51094	Y		
ES-Z06-080520 B	0.0043	7/13/08	51094	Y	0.004	2
ES-Z07-080522 B	0.0038	7/13/08	51094	Y		
ES-Z08-080527 B	0.0042	7/13/08	51094	Y	0.004	10
ES-Z09-080529 B	0.0042	7/13/08	51094	Y		
ES-Z10-080602 B	0.0048	7/13/08	51094	Y	0.005	13
WS-Z01-080430 B	0.0047	7/13/08	51094	Y		
ES-Z11-080605 B	0.0053	7/14/08	51094	Y	0.005	12
WS-Z16-080617-A	0.0044	7/14/08	51095	Y		
WS-Z16-080617-B	0.004	7/14/08	51095	Y	0.004	10
WS-Z17-080618 A	0.0042	7/14/08	51095	Y		
WS-Z17-080618 B	0.0045	7/14/08	51095	Y	0.004	7
WS-Z18-080620 A	0.005	7/15/08	51096	Y		
WS-Z18-080620 B	0.0049	7/15/08	51096	Y	0.005	2
ES-Z19-080624 A	0.0054	7/21/08	51155	Y		
ES-Z19-080624 B	0.0051	7/21/08	51155	Y	0.005	6
ES-Z21-081112 A	0.0048	11/24/08	54432	Y		
ES-Z21-081112 B	0.0046	11/24/08	54432	Y	0.005	4
ES-Z37-100826	0.0046	9/10/10	69734	Y		

Analysis of EQIS CRMs	
Mean	0.005
Median	0.005
Standard Deviation	0.00047
Sample Variance	0.00000
Kurtosis	-0.691
Skewness	0.219
Range	0.002
Minimum	0.004
Maximum	0.006
Sum	0.162
Count	35.000
Largest(2)	0.005
Smallest(2)	0.004

RPD of EQIS CRMs	
Mean	5.766
Median	4.878
Standard Deviation	4.158
Sample Variance	17.285
Kurtosis	-1.074
Skewness	0.312
Range	13.333
Minimum	0.000
Maximum	13.333
Sum	98.022
Count	17.000
Largest(2)	12.000
Smallest(2)	0.000

Table Alpha-BHC-5: Alpha BHC Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
87	49894	6	90	49894	6
80	50154	7	92	50154	7
75	50167	12	75	50167	12
78	50341	13	105	50341	13
92	50342	14	100	50342	14
93	50463	15	98	50463	15
88	50664	18	92	50664	18
94	50703	19	92	50664	18
91	50808	21	89	50703	19
129	50839	25	89	50703	19
97	51094	30	97	50808	21
90	51095	31	97	50808	21
94	51096	32	144	50839	25
64	51157	33	61	51094	30
94	51189	34	105	51095	31
107	51155	35	91	51096	32
93	51427	37	108	51157	33
106	54432	38	92	51189	34
101	54815	42	101	51155	35
111	55050	44	104	51427	37
85	69470	64	117	54432	38
92	69733	63	94	54815	42
100	69734	65	84	55050	44
88	70170	67	97	69470	64
			95	69733	63
			93	69734	65
			88	70170	67

Average MS Recovery = 93 %
Minimum MS Recovery = 64 %

Average LCS Recovery = 96 %
Minimum LCS Recovery = 61 %

Table Alpha-BHC-5: Alpha BHC Laboratory MS and LCS Graph

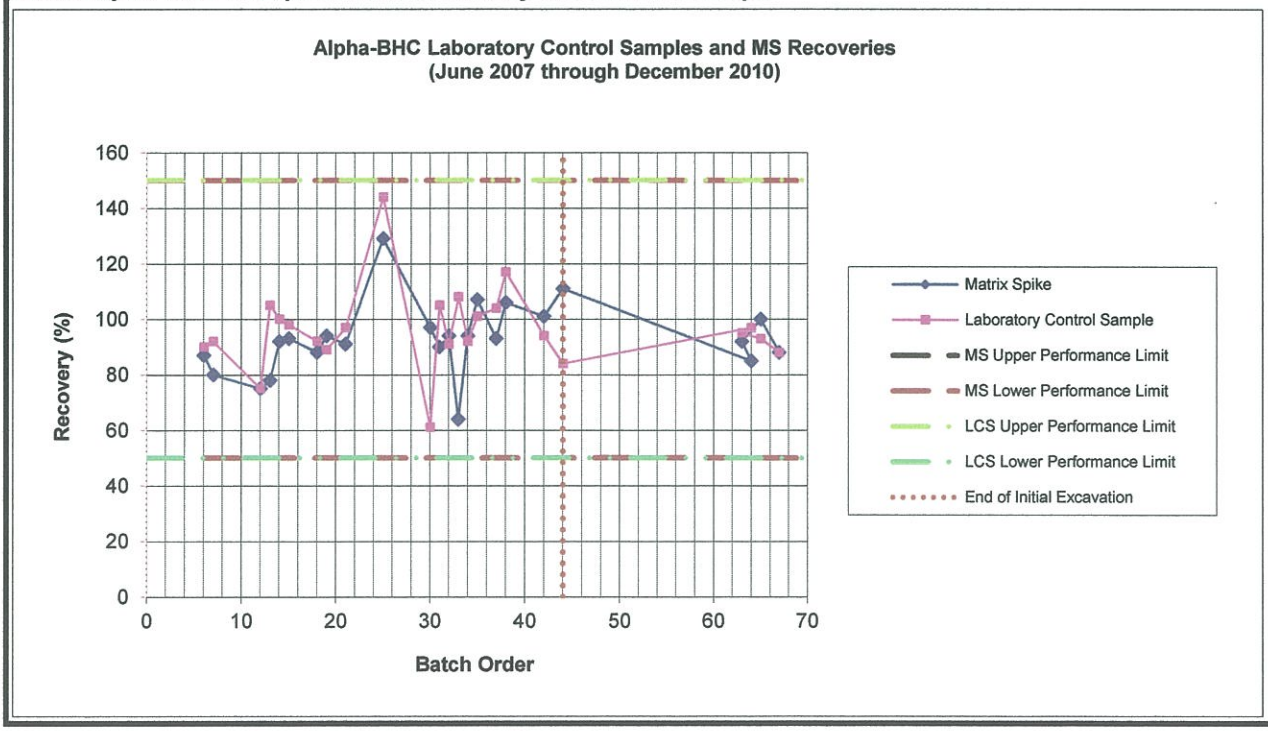


Table Alpha-BHC-6: Alpha BHC - Laboratory MSD

Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/28/08	3	49894	6
WS-N03-080507MSD	5/29/08	17	50154	7
WS-K05-080509MSD	6/6/08	9	50167	12
WS-K02-080509MSD	6/6/08	6	50341	13
ES-T08-080522MSD	6/7/08	5	50342	14
ES-S07-080521MSD	6/13/08	3	50463	15
ES-V11-080529MSD	6/21/08	2	50664	18
ES-K02-080602MSD	6/26/08	12	50703	19
ES-L06-080605MSD	6/27/08	7	50808	21
ES-N09-080610MSD	6/30/08	0	50839	25
WS-E04-080613MSD	7/13/08	1	51094	30
WS-I02-080618MSD	7/14/08	4	51095	31
WS-D04-080623MSD	7/15/08	4	51096	32
WS-B04-080626MSD	7/15/08	14	51157	33
ES-N09-080610MSD	7/16/08	4	51189	34
ES-C01-080624MSD	7/21/08	5	51155	35
WS-K02-080509MSD	7/28/08	7	51427	37
ES-K07-081112MSD	11/24/08	10	54432	38
DUP 22MSD	12/11/08	4	54815	42
DUP 24MSD	12/30/08	3	55050	44
BOR-825MSD	9/9/10	23	69470	64
ES-Q07-100818MSD	9/9/10	5	69733	63
DUP-51MSD	9/10/10	1	69734	65
ES-SB3-100901MSD	9/20/10	6	70170	67

Average MSD RPD = 6 %
Maximum MSD RPD = 23 %

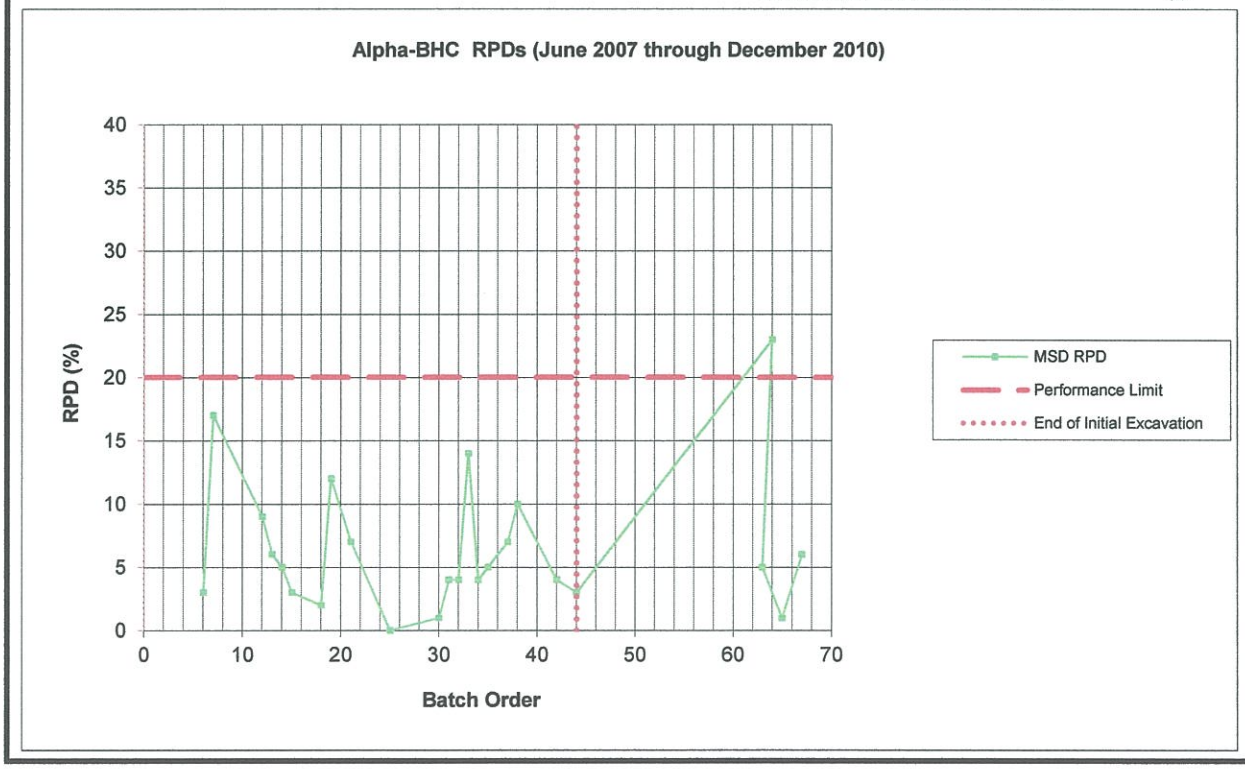


Table Alpha-BHC-7: Method 8081 Surrogate (Decachlorobiphenyl) Recoveries

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

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

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

Table Alpha-BHC-7: Method 8081 Surrogate (Decachlorobiphenyl) Recoveries

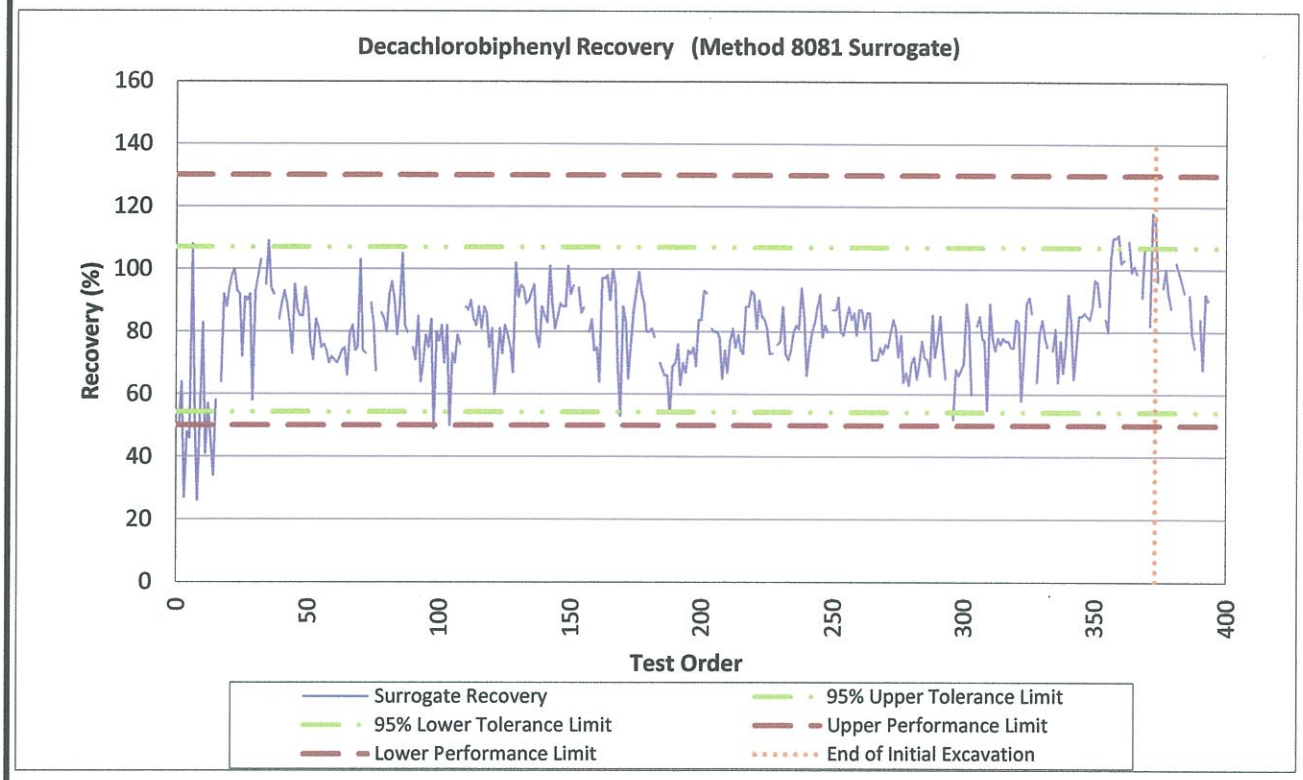


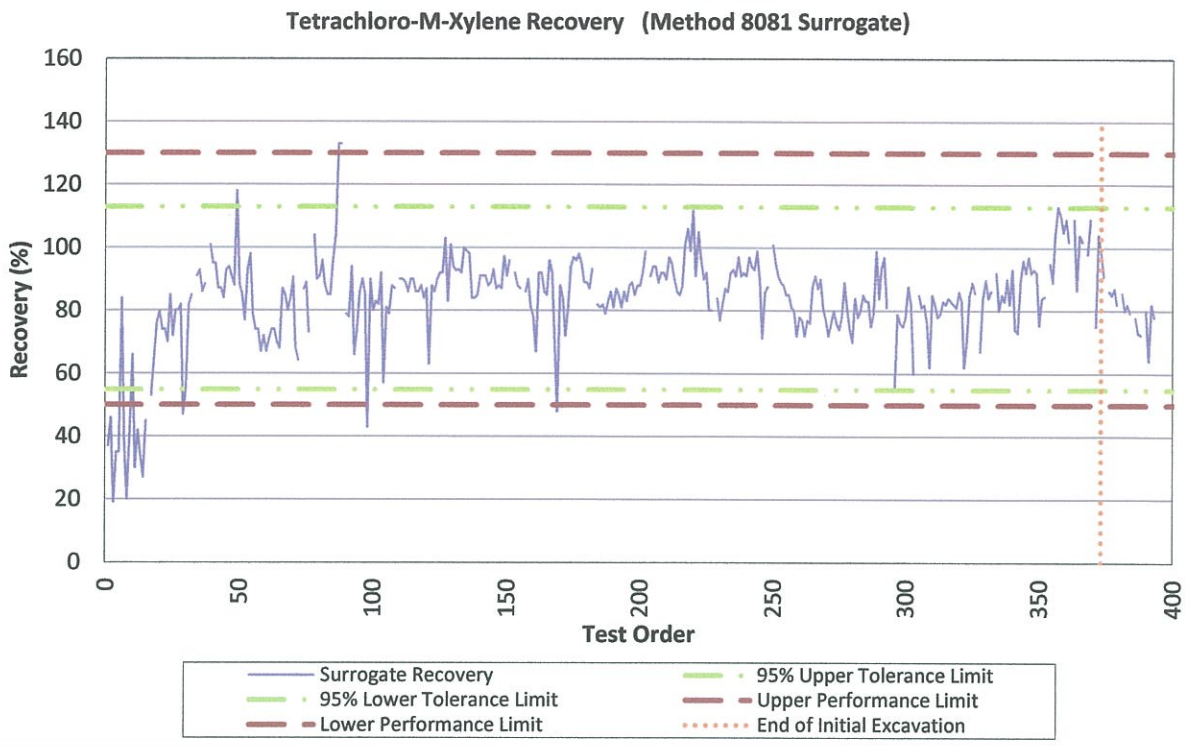
Table Alpha-BHC-8: Method 8081 Surrogate (Tetrachloro-m-xylene) Recoveries

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

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

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

Table Alpha-BHC-8: Method 8081 Surrogate (Tetrachloro-m-xylene) Recoveries



ALPHA-BHC Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	A1	ES-A01-080623	ALPHA-BHC	0.00062	21-Jul-08	51155	N	ES-A01-080623
East Site	B1	ES-B01-080623	ALPHA-BHC	0.00062	21-Jul-08	51155	N	ES-B01-080623
East Site	C1	ES-C01-080624	ALPHA-BHC	0.00062	21-Jul-08	51155	N	ES-C01-080624
East Site	D1	ES-D01-080624	ALPHA-BHC	0.00061	21-Jul-08	51155	N	ES-D01-080624
East Site	E1	ES-E01-080528	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-E01-080528
East Site	E2	ES-E02-080611	ALPHA-BHC	0.00061	30-Jun-08	50839	N	ES-E02-080611
East Site	F1	ES-F01-080529	ALPHA-BHC	0.00061	21-Jun-08	50664	N	ES-F01-080529
East Site	F1	ES-F01-080529	ALPHA-BHC	0.00061	14-Jul-08	51095	N	DUP-17
East Site	G1	ES-G01-080529	ALPHA-BHC	0.00061	21-Jun-08	50664	N	ES-G01-080529
East Site	G2	ES-G02-080605	ALPHA-BHC	0.00061	27-Jun-08	50703	N	ES-G02-080605
East Site	H1	ES-H01-080528	ALPHA-BHC	0.00062	13-Jun-08	50463	N	ES-H01-080528
East Site	H2	ES-H02-080515	ALPHA-BHC	0.00062	06-Jun-08	50341	N	ES-H02-080515
East Site	H3	ES-H03-080605	ALPHA-BHC	0.00062	26-Jun-08	50703	N	ES-H03-080605
East Site	I1	ES-I01-080529	ALPHA-BHC	0.00061	21-Jun-08	50664	N	ES-I01-080529
East Site	I2	ES-I02-080514	ALPHA-BHC	0.00062	06-Jun-08	50341	N	ES-I02-080514
East Site	I3	ES-I03-080513	ALPHA-BHC	0.00061	06-Jun-08	50341	N	ES-I03-080513
East Site	I4	ES-I04-080602	ALPHA-BHC	0.00061	23-Jun-08	50664	N	ES-I04-080602
East Site	J1	ES-J01-080529	ALPHA-BHC	0.00062	21-Jun-08	50664	N	ES-J01-080529
East Site	J2	ES-J02-080527	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-J02-080527
East Site	J2	ES-J02-080527	ALPHA-BHC	0.00061	30-Jun-08	50839	N	DUP-15
East Site	J3	ES-J03-080513	ALPHA-BHC	0.00061	06-Jun-08	50341	N	ES-J03-080513
East Site	J3	ES-J03-080513	ALPHA-BHC	0.00061	30-Jun-08	50703	N	DUP-11
East Site	J4	ES-J04-080530	ALPHA-BHC	0.00062	23-Jun-08	50664	N	ES-J04-080530
East Site	J4	ES-J04-080530	ALPHA-BHC	0.00062	15-Jul-08	51096	N	DUP-18
East Site	J5	ES-J05-080602	ALPHA-BHC	0.00062	23-Jun-08	50664	N	ES-J05-080602
East Site	K1	ES-K01-080602	ALPHA-BHC	0.00062	23-Jun-08	50664	N	ES-K01-080602
East Site	K2	ES-K02-080602	ALPHA-BHC	0.00062	26-Jun-08	50703	N	ES-K02-080602
East Site	K3	ES-K03-080514	ALPHA-BHC	0.00061	06-Jun-08	50341	N	ES-K03-080514
East Site	K4	ES-K04-080527	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-K04-080527
East Site	K5	ES-K05-080605	ALPHA-BHC	0.00061	27-Jun-08	50703	N	ES-K05-080605
East Site	K5	ES-K05-080605	ALPHA-BHC	0.0006	21-Jul-08	51155	N	DUP-19
East Site	K7	ES-K07-080611	ALPHA-BHC	0.00061	30-Jun-08	50839	N	ES-K07-080611
East Site	K7	ES-K07-081112	ALPHA-BHC	0.00062	24-Nov-08	54432	N	ES-K07-081112
East Site	K7	ES-K07-081112	ALPHA-BHC	0.0006	30-Dec-08	55050	N	DUP 24
East Site	L1	ES-L01-080625	ALPHA-BHC	0.00061	15-Jul-08	51157	N	ES-L01-080625
East Site	L2	ES-L02-080625	ALPHA-BHC	0.00061	15-Jul-08	51157	N	ES-L02-080625
East Site	L3	ES-L03-080604	ALPHA-BHC	0.00062	26-Jun-08	50703	N	ES-L03-080604
East Site	L4	ES-L04-080604	ALPHA-BHC	0.00062	26-Jun-08	50703	N	ES-L04-080604
East Site	L5	ES-L05-080620	ALPHA-BHC	0.00061	15-Jul-08	51096	N	ES-L05-080620
East Site	L6	ES-L06-080605	ALPHA-BHC	0.00061	27-Jun-08	50808	N	ES-L06-080605
East Site	M1	ES-M01-080527	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-M01-080527
East Site	M2	ES-M02-080519	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-M02-080519
East Site	M3	ES-M03-080519	ALPHA-BHC	0.00061	07-Jun-08	50341	N	ES-M03-080519
East Site	M4	ES-M04-080515	ALPHA-BHC	0.00061	06-Jun-08	50341	N	ES-M04-080515
East Site	M4	ES-M04-080515	ALPHA-BHC	0.00061	28-Jul-08	51427	N	ES-M04-080515
East Site	M5	ES-M05-080527	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-M05-080527

ALPHA-BHC Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	M6	ES-M06-080520	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-M06-080520
East Site	M7	ES-M07-080612	ALPHA-BHC	0.00061	01-Jul-08	50839	N	ES-M07-080612
East Site	M8	ES-M08-080610	ALPHA-BHC	0.00062	30-Jun-08	50808	N	ES-M08-080610
East Site	M9	ES-M09-080611	ALPHA-BHC	0.00061	16-Jul-08	51189	N	ES-M09-080611
East Site	N2	ES-N02-080528	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-N02-080528
East Site	N3	ES-N03-080520	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-N03-080520
East Site	N4	ES-N04-080519	ALPHA-BHC	0.00061	06-Jun-08	50341	N	ES-N04-080519
East Site	N5	ES-N05-080519	ALPHA-BHC	0.00061	07-Jun-08	50341	N	ES-N05-080519
East Site	N6	ES-N06-080527	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-N06-080527
East Site	N7	ES-N07-080530	ALPHA-BHC	0.00061	23-Jun-08	50664	N	ES-N07-080530
East Site	N7	ES-N07-080530	ALPHA-BHC	0.00061	28-Jul-08	51427	N	ES-N07-080530
East Site	N8	ES-N08-080610	ALPHA-BHC	0.00062	27-Jun-08	50808	N	ES-N08-080610
East Site	N9	ES-N09-080610	ALPHA-BHC	0.00062	16-Jul-08	51189	N	ES-N09-080610
East Site	N10	ES-N10-080610	ALPHA-BHC	0.00062	30-Jun-08	50808	N	ES-N10-080610
East Site	O3	ES-O03-080528	ALPHA-BHC	0.00062	07-Jun-08	50342	N	ES-O03-080528
East Site	O4	ES-O04-080515	ALPHA-BHC	0.00062	06-Jun-08	50341	N	ES-O04-080515
East Site	O5	ES-O05-080520	ALPHA-BHC	0.00062	13-Jun-08	50463	N	ES-O05-080520
East Site	O6	ES-O06-080529	ALPHA-BHC	0.00061	21-Jun-08	50664	N	ES-O06-080529
East Site	O7	ES-O07-080530	ALPHA-BHC	0.00061	23-Jun-08	50664	N	ES-O07-080530
East Site	O8	ES-O08-080530	ALPHA-BHC	0.00061	23-Jun-08	50664	N	ES-O08-080530
East Site	O9	ES-O09-080610	ALPHA-BHC	0.00062	30-Jun-08	50808	N	ES-O09-080610
East Site	O10	ES-O10-080611	ALPHA-BHC	0.00061	30-Jun-08	50839	N	ES-O10-080611
East Site	P4	ES-P04-080528	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-P04-080528
East Site	P4	ES-P04-080528	ALPHA-BHC	0.00062	14-Jul-08	51095	N	DUP-16
East Site	P5	ES-P05-080513	ALPHA-BHC	0.00061	06-Jun-08	50341	N	ES-P05-080513
East Site	P6	ES-P06-080515	ALPHA-BHC	0.00061	06-Jun-08	50341	N	ES-P06-080515
East Site	P6	ES-P06-080515	ALPHA-BHC	0.00061	27-Jun-08	50808	N	DUP-12
East Site	P7	ES-P07-080519	ALPHA-BHC	0.00061	06-Jun-08	50341	N	ES-P07-080519
East Site	P7	ES-P07-100818	ALPHA-BHC	0.00062	09-Sep-10	69733	N	ES-P07-100818
East Site	P8	ES-P08-080530	ALPHA-BHC	0.00061	23-Jun-08	50664	N	ES-P08-080530
East Site	P10	ES-P10-080606	ALPHA-BHC	0.00062	27-Jun-08	50703	N	ES-P10-080606
East Site	P11	ES-P11-080606	ALPHA-BHC	0.00061	27-Jun-08	50703	N	ES-P11-080606
East Site	Q5	ES-Q05-080520	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-Q05-080520
East Site	Q6	ES-Q06-080520	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-Q06-080520
East Site	Q7	ES-Q07-080519	ALPHA-BHC	0.00061	07-Jun-08	50341	N	ES-Q07-080519
East Site	Q7	ES-Q07-100818	ALPHA-BHC	0.00062	09-Sep-10	69733	N	ES-Q07-100818
East Site	Q8	ES-Q08-080519	ALPHA-BHC	0.00061	07-Jun-08	50341	N	ES-Q08-080519
East Site	Q9	ES-Q09-080612	ALPHA-BHC	0.00061	30-Jun-08	50839	N	ES-Q09-080612
East Site	Q10	ES-Q10-080606	ALPHA-BHC	0.00062	27-Jun-08	50703	N	ES-Q10-080606
East Site	Q11	ES-Q11-080606	ALPHA-BHC	0.00061	27-Jun-08	50703	N	ES-Q11-080606
East Site	Q17	ES-Q17-080609	ALPHA-BHC	0.00061	30-Jun-08	50808	N	ES-Q17-080609
East Site	R5	ES-R05-080521	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-R05-080521
East Site	R6	ES-R06-080521	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-R06-080521
East Site	R7	ES-R07-080521	ALPHA-BHC	0.00062	13-Jun-08	50463	N	ES-R07-080521
East Site	R8	ES-R08-080519	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-R08-080519
East Site	R9	ES-R09-080520	ALPHA-BHC	0.00062	13-Jun-08	50463	N	ES-R09-080520

ALPHA-BHC Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	R10	ES-R10-080602	ALPHA-BHC	0.00062	23-Jun-08	50664	N	ES-R10-080602
East Site	R11	ES-R11-080605	ALPHA-BHC	0.00062	27-Jun-08	50703	N	ES-R11-080605
East Site	R12	ES-R12-080611	ALPHA-BHC	0.00062	30-Jun-08	50839	N	ES-R12-080611
East Site	R16	ES-R16-080605	ALPHA-BHC	0.00061	27-Jun-08	50703	N	ES-R16-080605
East Site	R17	ES-R17-080606	ALPHA-BHC	0.00061	27-Jun-08	50703	N	ES-R17-080606
East Site	S5	ES-S05-080521	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-S05-080521
East Site	S6	ES-S06-080521	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-S06-080521
East Site	S7	ES-S07-080521	ALPHA-BHC	0.00061	13-Jun-08	50463	N	ES-S07-080521
East Site	S8	ES-S08-080522	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-S08-080522
East Site	S9	ES-S09-080522	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-S09-080522
East Site	S10	ES-S10-080523	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-S10-080523
East Site	S11	ES-S11-080528	ALPHA-BHC	0.00062	07-Jun-08	50342	N	ES-S11-080528
East Site	S12	ES-S12-080609	ALPHA-BHC	0.00062	27-Jun-08	50808	N	ES-S12-080609
East Site	S13	ES-S13-080610	ALPHA-BHC	0.00061	27-Jun-08	50808	N	ES-S13-080610
East Site	S17	ES-S17-080606	ALPHA-BHC	0.00062	27-Jun-08	50703	N	ES-S17-080606
East Site	S18	ES-S18-080606	ALPHA-BHC	0.00061	27-Jun-08	50703	N	ES-S18-080606
East Site	T7	ES-T07-080612	ALPHA-BHC	0.00061	16-Jul-08	51189	N	ES-T07-080612
East Site	T8	ES-T08-080522	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-T08-080522
East Site	T8	ES-T08-080522	ALPHA-BHC	0.00061	01-Jul-08	50808	N	DUP-13
East Site	T9	ES-T09-080522	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-T09-080522
East Site	T10	ES-T10-080523	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-T10-080523
East Site	T10	ES-T10-080523	ALPHA-BHC	0.00061	30-Jun-08	50839	N	DUP-14
East Site	T11	ES-T11-080530	ALPHA-BHC	0.00062	23-Jun-08	50664	N	ES-T11-080530
East Site	T12	ES-T12-080609	ALPHA-BHC	0.00062	27-Jun-08	50808	N	ES-T12-080609
East Site	T13	ES-T13-080609	ALPHA-BHC	0.00062	27-Jun-08	50808	N	ES-T13-080609
East Site	T14	ES-T14-080610	ALPHA-BHC	0.00062	30-Jun-08	50808	N	ES-T14-080610
East Site	U10	ES-U10-080523	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-U10-080523
East Site	U11	ES-U11-080602	ALPHA-BHC	0.00061	26-Jun-08	50703	N	ES-U11-080602
East Site	U13	ES-U13-080610	ALPHA-BHC	0.00061	27-Jun-08	50808	N	ES-U13-080610
East Site	U14	ES-U14-080610	ALPHA-BHC	0.00061	30-Jun-08	50808	N	ES-U14-080610
East Site	V11	ES-V11-080529	ALPHA-BHC	0.00061	21-Jun-08	50664	N	ES-V11-080529
East Site	V14	ES-V14-080605	ALPHA-BHC	0.00062	26-Jun-08	50703	N	ES-V14-080605
East Site	W12	ES-W12-080527	ALPHA-BHC	0.00061	07-Jun-08	50342	N	ES-W12-080527
West Site	A4	WS-A04-080626	ALPHA-BHC	0.00062	15-Jul-08	51157	N	WS-A04-080626
West Site	B2	WS-B02-080502	ALPHA-BHC	0.00062	29-May-08	50154	N	WS-B02-080502
West Site	B3	WS-B03-080502	ALPHA-BHC	0.00061	29-May-08	50154	N	WS-B03-080502
West Site	B4	WS-B04-080626	ALPHA-BHC	0.00061	15-Jul-08	51157	N	WS-B04-080626
West Site	B5	WS-B05-080626	ALPHA-BHC	0.00061	15-Jul-08	51157	N	WS-B05-080626
West Site	C1	WS-C01-080501	ALPHA-BHC	0.00061	28-May-08	49894	N	WS-C01-080501
West Site	C1	WS-C01-080501	ALPHA-BHC	0.00061	06-Jun-08	50167	N	DUP-3
West Site	C2	WS-C02-080428	ALPHA-BHC	0.00061	28-May-08	49894	N	WS-C02-080428
West Site	C3	WS-C03-080620	ALPHA-BHC	0.00062	15-Jul-08	51096	N	WS-C03-080620
West Site	C4	WS-C04-080623	ALPHA-BHC	0.00061	21-Jul-08	51155	N	WS-C04-080623
West Site	C5	WS-C05-080620	ALPHA-BHC	0.00061	15-Jul-08	51096	N	WS-C05-080620
West Site	C6	WS-C06-080624	ALPHA-BHC	0.00061	21-Jul-08	51155	N	WS-C06-080624
West Site	D1	WS-D01-080430	ALPHA-BHC	0.00061	28-May-08	49894	N	WS-D01-080430

ALPHA-BHC Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	D2	WS-D02-080429	ALPHA-BHC	0.00061	28-May-08	49894	N	DUP-2
West Site	D2	WS-D02-080429	ALPHA-BHC	0.00062	28-May-08	49894	N	WS-D02-080429
West Site	D3	WS-D03-080620	ALPHA-BHC	0.00062	15-Jul-08	51096	N	WS-D03-080620
West Site	D3	WS-D03-100803	ALPHA-BHC	0.00062	10-Sep-10	69734	N	DUP-51
West Site	D4	WS-D04-080623	ALPHA-BHC	0.00061	14-Jul-08	51096	N	WS-D04-080623
West Site	D5	WS-D05-080620	ALPHA-BHC	0.00061	15-Jul-08	51096	N	WS-D05-080620
West Site	D6	WS-D06-080619	ALPHA-BHC	0.00061	15-Jul-08	51096	N	WS-D06-080619
West Site	D7	WS-D07-080619	ALPHA-BHC	0.00061	15-Jul-08	51096	N	WS-D07-080619
West Site	E1	WS-E01-080430	ALPHA-BHC	0.00061	28-May-08	49894	N	WS-E01-080430
West Site	E2	WS-E02-080428	ALPHA-BHC	0.00062	28-May-08	49894	N	DUP-1
West Site	E2	WS-E02-080428	ALPHA-BHC	0.00062	28-May-08	49894	N	WS-E02-080428
West Site	E3	WS-E03-080619	ALPHA-BHC	0.00061	15-Jul-08	51096	N	WS-E03-080619
West Site	E4	WS-E04-080613	ALPHA-BHC	0.00061	13-Jul-08	51094	N	WS-E04-080613
West Site	E5	WS-E05-080613	ALPHA-BHC	0.00061	30-Jun-08	50839	N	WS-E05-080613
West Site	E6	WS-E06-080613	ALPHA-BHC	0.00061	21-Jul-08	51155	N	WS-E06-080613
West Site	E7	WS-E07-080613	ALPHA-BHC	0.00061	13-Jul-08	51094	N	WS-E07-080613
West Site	E8	WS-E08-080616	ALPHA-BHC	0.00061	14-Jul-08	51095	N	WS-E08-080616
West Site	F1	WS-F01-080429	ALPHA-BHC	0.00061	28-May-08	49894	N	WS-F01-080429
West Site	F2	WS-F02-080429	ALPHA-BHC	0.00061	28-May-08	49894	N	WS-F02-080429
West Site	F3	WS-F03-080619	ALPHA-BHC	0.00061	15-Jul-08	51096	N	WS-F03-080619
West Site	F4	WS-F04-080616	ALPHA-BHC	0.00061	13-Jul-08	51094	N	WS-F04-080616
West Site	F5	WS-F05-080612	ALPHA-BHC	0.00061	13-Jul-08	51094	N	WS-F05-080612
West Site	F6	WS-F06-080612	ALPHA-BHC	0.00062	13-Jul-08	51094	N	WS-F06-080612
West Site	F7	WS-F07-080617	ALPHA-BHC	0.00061	14-Jul-08	51095	N	WS-F07-080617
West Site	F8	WS-F08-080618	ALPHA-BHC	0.00061	14-Jul-08	51095	N	WS-F08-080618
West Site	G1	WS-G01-080501	ALPHA-BHC	0.00062	28-May-08	49894	N	WS-G01-080501
West Site	G1	WS-G01-080501	ALPHA-BHC	0.00061	06-Jun-08	50167	N	DUP-4
West Site	G2	WS-G02-080618	ALPHA-BHC	0.00061	15-Jul-08	51096	N	WS-G02-080618
West Site	G3	WS-G03-080619	ALPHA-BHC	0.00061	15-Jul-08	51096	N	WS-G03-080619
West Site	G4	WS-G04-080616	ALPHA-BHC	0.00061	13-Jul-08	51094	N	WS-G04-080616
West Site	G5	WS-G05-080613	ALPHA-BHC	0.00062	30-Jun-08	50839	N	WS-G05-080613
West Site	G6	WS-G06-080616	ALPHA-BHC	0.00061	14-Jul-08	51095	N	WS-G06-080616
West Site	G7	WS-G07-080617	ALPHA-BHC	0.00062	14-Jul-08	51095	N	WS-G07-080617
West Site	H1	WS-H01-080501	ALPHA-BHC	0.00062	29-May-08	50154	N	WS-H01-080501
West Site	H2	WS-H02-080618	ALPHA-BHC	0.00061	15-Jul-08	51096	N	WS-H02-080618
West Site	H3	WS-H03-080619	ALPHA-BHC	0.00061	15-Jul-08	51096	N	WS-H03-080619
West Site	H4	WS-H04-080616	ALPHA-BHC	0.00061	14-Jul-08	51095	N	WS-H04-080616
West Site	H5	WS-H05-080613	ALPHA-BHC	0.00061	13-Jul-08	51094	N	WS-H05-080613
West Site	H5	WS-H05-081110	ALPHA-BHC	0.00061	11-Dec-08	54815	N	DUP 22
West Site	H6	WS-H06-080617	ALPHA-BHC	0.00062	14-Jul-08	51095	N	WS-H06-080617
West Site	I1	WS-I01-080501	ALPHA-BHC	0.00064	29-May-08	50154	N	WS-I01-080501
West Site	I1	WS-I01-080501	ALPHA-BHC	0.00064	06-Jun-08	50167	N	DUP-5
West Site	I2	WS-I02-080618	ALPHA-BHC	0.00061	14-Jul-08	51095	N	WS-I02-080618
West Site	I3	WS-I03-080618	ALPHA-BHC	0.00061	14-Jul-08	51095	N	WS-I03-080618
West Site	I4	WS-I04-080617	ALPHA-BHC	0.00061	14-Jul-08	51095	N	WS-I04-080617
West Site	I5	WS-I05-080617	ALPHA-BHC	0.00062	14-Jul-08	51095	N	WS-I05-080617

ALPHA-BHC Results from 12/16/10 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	I6	WS-I06-080617	ALPHA-BHC	0.00062	14-Jul-08	51095	N	WS-I06-080617
West Site	J1	WS-J01-080505	ALPHA-BHC	0.001	29-May-08	50154	Y	WS-J01-080505
West Site	J1	WS-J01-080505	ALPHA-BHC	0.00062	13-Jun-08	50463	N	DUP-6
West Site	J2	WS-J02-080624	ALPHA-BHC	0.00061	21-Jul-08	51155	N	WS-J02-080624
West Site	J3	WS-J03-080620	ALPHA-BHC	0.00061	15-Jul-08	51096	N	WS-J03-080620
West Site	J4	WS-J04-080617	ALPHA-BHC	0.00062	14-Jul-08	51095	N	WS-J04-080617
West Site	J5	WS-J05-080618	ALPHA-BHC	0.00062	14-Jul-08	51095	N	WS-J05-080618
West Site	K1	WS-K01-080505	ALPHA-BHC	0.00062	29-May-08	50154	N	WS-K01-080505
West Site	K2	WS-K02-080509	ALPHA-BHC	0.00061	06-Jun-08	50341	N	WS-K02-080509
West Site	K2	WS-K02-080509	ALPHA-BHC	0.00061	28-Jul-08	51427	N	WS-K02-080509
West Site	K3	WS-K03-080509	ALPHA-BHC	0.001	06-Jun-08	50341	Y	WS-K03-080509
West Site	K4	WS-K04-080513	ALPHA-BHC	0.00061	06-Jun-08	50341	N	WS-K04-080513
West Site	K4	WS-K04-080513	ALPHA-BHC	0.0006	23-Jun-08	50664	N	DUP-10
West Site	K5	WS-K05-080509	ALPHA-BHC	0.00062	06-Jun-08	50167	N	WS-K05-080509
West Site	L1	WS-L01-080505	ALPHA-BHC	0.00062	29-May-08	50154	N	WS-L01-080505
West Site	L2	WS-L02-080508	ALPHA-BHC	0.00061	29-May-08	50154	N	WS-L02-080508
West Site	L3	WS-L03-080508	ALPHA-BHC	0.00061	29-May-08	50154	N	WS-L03-080508
West Site	L4	WS-L04-080508	ALPHA-BHC	0.00061	29-May-08	50154	N	WS-L04-080508
West Site	L4	WS-L04-080508	ALPHA-BHC	0.00062	13-Jun-08	50463	N	DUP-9
West Site	M1	WS-M01-080505	ALPHA-BHC	0.001	29-May-08	50154	Y	WS-M01-080505
West Site	M1	WS-M01-080505	ALPHA-BHC	0.00063	06-Jun-08	50167	N	DUP-7
West Site	M2	WS-M02-080507	ALPHA-BHC	0.00062	29-May-08	50154	N	WS-M02-080507
West Site	M3	WS-M03-080507	ALPHA-BHC	0.00061	29-May-08	50154	N	WS-M03-080507
West Site	M3	WS-M03-080507	ALPHA-BHC	0.00062	07-Jun-08	50342	N	DUP-8
West Site	M4	WS-M04-080507	ALPHA-BHC	0.00062	29-May-08	50154	N	WS-M04-080507
West Site	N1	WS-N01-080506	ALPHA-BHC	0.00062	29-May-08	50154	N	WS-N01-080506
West Site	N2	WS-N02-080506	ALPHA-BHC	0.00061	29-May-08	50154	N	WS-N02-080506
West Site	N3	WS-N03-080507	ALPHA-BHC	0.00061	29-May-08	50154	N	WS-N03-080507
West Site	O1	WS-O01-080506	ALPHA-BHC	0.00061	29-May-08	50154	N	WS-O01-080506
West Site	O2	WS-O02-080506	ALPHA-BHC	0.00062	29-May-08	50154	N	WS-O02-080506

Table Gamma-chlordane-1: Gamma-chlordane Data Quality Summary

Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	62%	
Minimum Matrix Spike Recovery	greater than 50%	68%	
Minimum Surrogate Recovery	greater than 50%	19%	Tetrachloro-m-xylene
Average LCS Recovery	N/A	95%	
Average Matrix Spike Recovery	N/A	92%	
Average Surrogate Recovery	N/A	81%	Decachlorobiphenyl
Maximum MSD RPD	less than 35%	28%	
Average MSD RPD	N/A	7%	
Measurement Quality Objectives	**Criteria**	**Measured**	
NPS CRM	Recovery greater than.0196	Minimum Recovery =	0.033 mg/kg
EQIS CRM	Recovery greater than 0.0933	Minimum Recovery =	0.120 mg/kg
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	149 %
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 =	80.7 %
NPS Replicate Test (Precision measure)	None	Standard Deviation =	N/A
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal		0.083 mg/kg	
Tier 2 Remediation Goal		None	
QC Derived Reliance Level		0.070 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 CVS samples. A low minimum LCS recovery (62%) accompanied by a high average LCS recovery (95%) indicate that an infrequent analysis problem may cause a bias toward low measurements. Low minimum matrix spike recoveries (68%) accompanied by a matrix spike recover of 92% indicate a potential infrequent bias towards low measured concentrations. A high maximum RPD observed in CVS split sample analysis (149%) is evidence of imprecision at concentrations near the reporting limit (0.0005mg/kg). However, a maximum CRM split analyses RPD (29%) indicates that analyses precision of manufactured samples at a concentration that is approximately twice the RG (0.083 mg/kg) is acceptable. The derived reliance level (0.070 mg/kg) is less than the RG (0.083mg/kg). No CVS samples exhibit concentrations above the derived reliance level or the RG. Therefore, confidence in decisions regarding achievement of the gamma-chlordane RG is not expected to be compromised by data quality problems. It is concluded that CVS gamma-chlordane measurements may be used to evaluate RG achievement.

Note1:The standard deviation estimated from EQIS CRM split analyses (0.012 mg/kg) and an estimate of bias from NPS CRMs (average recovery = 80.7%) are used to represent measurement precision and accuracy near the RG for calculation of the derived reliance level (0.070 mg/kg). Derived reliance level is calculated as:
(Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.083)(1.2)(.807)-(0.84)(0.012) = 0.070 mg/kg

Table Gamma-chlordane-2: Gamma-chlordane - NPS CRMs

Blind NPS CRM Results

Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 53	0.034	6/6/08	50341	Y
BO 50,55,58,72	0.033	6/23/08	50664	Y
BOR SAMPLES 76,79,82	0.035	7/13/08	51094	Y
BOR 102-96-99-105	0.035	7/15/08	51096	Y
BOR 101	0.036	7/21/08	51155	Y
BOR 103,97,100,106	0.033	7/21/08	51155	Y
BOR200	0.036	11/24/08	54432	Y
BOR201	0.035	11/24/08	54432	Y

CRMs		Vendor Supplied Information
Mean	0.035	*Made to*
Median	0.035	*0.0429 mg/kg*
Standard Deviation	0.001	
Sample Variance	0.000	*Upper Acceptance Limit*
Kurtosis	-1.229	*0.0495 mg/kg*
Skewness	-0.394	
Range	0.003	*Lower Acceptance Limit*
Minimum	0.033	*0.0196 mg/kg*
Maximum	0.036	
Sum	0.277	
Count	8.000	
Largest(2)	0.036	
Smallest(2)	0.033	

Table Gamma-chlordane-3: Gamma-chlordane NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 500	0.0003	6/6/08	50341	WS-F01-080429	0.0003	5/28/2008	
BOR 501	0.0003	6/7/08	50342	WS-L04-080508	0.0003	6/13/2008	
BOR 505	0.0003	6/23/08	50664	WS-K03-080509	0.0003	6/6/2008	
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	0.0003	6/6/08	50167	WS-C01-080501	0.0003	5/28/2008	
DUP-4	0.0003	6/6/08	50167	WS-G01-080501	0.0003	5/28/2008	
DUP-5	0.0003	6/6/08	50167	WS-I01-080501	0.0003	5/29/2008	
DUP-7	0.0003	6/6/08	50167	WS-M01-080505	0.0003	5/29/2008	
DUP-8	0.0003	6/7/08	50342	WS-M03-080507	0.0003	5/29/2008	
DUP-6	0.0003	6/13/08	50463	WS-J01-080505	0.0003	5/29/2008	
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	0.0013	7/14/08	51095	ES-F01-080529	0.0003	6/21/2008	123
DUP-18	0.0003	7/15/08	51096	ES-J04-080530	0.0021	6/23/2008	149
DUP-19	0.0003	7/21/08	51155	ES-K05-080605	0.0003	6/27/2008	
DUP-51	0.0003	9/10/10	69734	WS-D03-100803			

[ ] Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	135.765
Median	135.765
Standard Deviation	18.078
Sample Variance	326.819
Kurtosis	#DIV/0!
Skewness	#DIV/0!
Range	25.566
Minimum	122.981
Maximum	148.548
Sum	271.529
Count	2.000
Largest(2)	122.981
Smallest(2)	148.548

Table Gamma-chlordane-4: Gamma-chlordane EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	0.14	5/29/08	50154	Y		
ES-Z05-080519	0.15	6/6/08	50167	Y	0.145	7
ES-Z06-080520	0.15	6/6/08	50167	Y		
ES-Z07-080522	0.15	6/6/08	50167	Y	0.150	0
ES-Z08-080527	0.13	6/7/08	50342	Y		
ES-Z09-080529	0.14	6/13/08	50463	Y	0.135	7
ES-Z10-080602	0.13	6/24/08	50664	Y		
ES-Z11-080605	0.15	6/30/08	50703	Y	0.140	14
ES-Z12-080606-A	0.15	6/30/08	50808	Y		
ES-Z12-080606-B	0.15	6/30/08	50808	Y	0.150	0
ES-Z13-080610 A	0.14	7/1/08	50808	Y		
ES-Z13-080610 B	0.14	7/1/08	50808	Y	0.140	0
ES-Z14-080611 A	0.14	7/1/08	50839	Y		
ES-Z14-080611 B	0.15	7/1/08	50839	Y	0.145	7
WS-Z15-080613 A	0.15	7/1/08	50839	Y		
WS-Z15-080613 B	0.14	7/1/08	50839	Y	0.145	7
ES-Z05-080519 B	0.16	7/14/08	51094	Y		
ES-Z06-080520 B	0.16	7/14/08	51094	Y	0.160	0
ES-Z07-080522 B	0.14	7/14/08	51094	Y		
ES-Z08-080527 B	0.16	7/14/08	51094	Y	0.150	13
ES-Z09-080529 B	0.15	7/14/08	51094	Y		
ES-Z10-080602 B	0.14	7/14/08	51094	Y	0.145	7
ES-Z11-080605 B	0.14	7/14/08	51094	Y		
WS-Z01-080430 B	0.16	7/14/08	51094	Y	0.150	13
WS-Z16-080617-A	0.13	7/14/08	51095	Y		
WS-Z16-080617-B	0.12	7/14/08	51095	Y	0.125	8
WS-Z17-080618 A	0.13	7/14/08	51095	Y		
WS-Z17-080618 B	0.13	7/14/08	51095	Y	0.130	0
WS-Z18-080620 A	0.14	7/16/08	51096	Y		
WS-Z18-080620 B	0.14	7/16/08	51096	Y	0.140	0
ES-Z19-080624 A	0.17	7/21/08	51155	Y		
ES-Z19-080624 B	0.17	7/21/08	51155	Y	0.170	0
ES-Z21-081112 A	0.16	11/25/08	54432	Y		
ES-Z21-081112 B	0.17	11/25/08	54432	Y	0.165	6
ES-Z37-100826	0.14	9/10/10	69734	Y		

Analysis of EQIS CRMs	
Mean	0.146
Median	0.140
Standard Deviation	0.012
Sample Variance	0.000
Kurtosis	-0.344
Skewness	0.247
Range	0.050
Minimum	0.120
Maximum	0.170
Sum	5.110
Count	35.000
Largest(2)	0.170
Smallest(2)	0.130

RPD of EQIS CRMs	
Mean	5.295
Median	6.897
Standard Deviation	5.178
Sample Variance	26.809
Kurtosis	-1.061
Skewness	0.394
Range	14.286
Minimum	0.000
Maximum	14.286
Sum	90.007
Count	17.000
Largest(2)	13.333
Smallest(2)	0.000

Table Gamma-chlordane-5: Gamma-chlordane Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
85	49894	6	90	49894	6
78	50154	7	92	50154	7
75	50167	12	75	50167	12
78	50341	13	105	50341	13
95	50342	14	98	50342	14
92	50463	15	98	50463	15
80	50664	18	90	50664	18
103	50703	19	90	50664	18
92	50808	21	87	50703	19
128	50839	25	87	50703	19
92	51094	30	99	50808	21
83	51095	31	99	50808	21
86	51096	32	145	50839	25
68	51157	33	62	51094	30
98	51189	34	102	51095	31
102	51155	35	94	51096	32
86	51427	37	98	51157	33
104	54432	38	96	51189	34
102	54815	42	104	51155	35
111	55050	44	97	51427	37
87	69470	64	114	54432	38
91	69733	63	94	54815	42
99	69734	65	80	55050	44
86	70170	67	98	69470	64
			94	69733	63
			95	69734	65
			89	70170	67

Average MS Recovery =	92 %	Average LCS Recovery =	95 %
Minimum MS Recovery =	68 %	Minimum LCS Recovery =	62 %

Table Gamma-chlordane-5: Gamma-chlordane Laboratory MS and LCS (Graph)

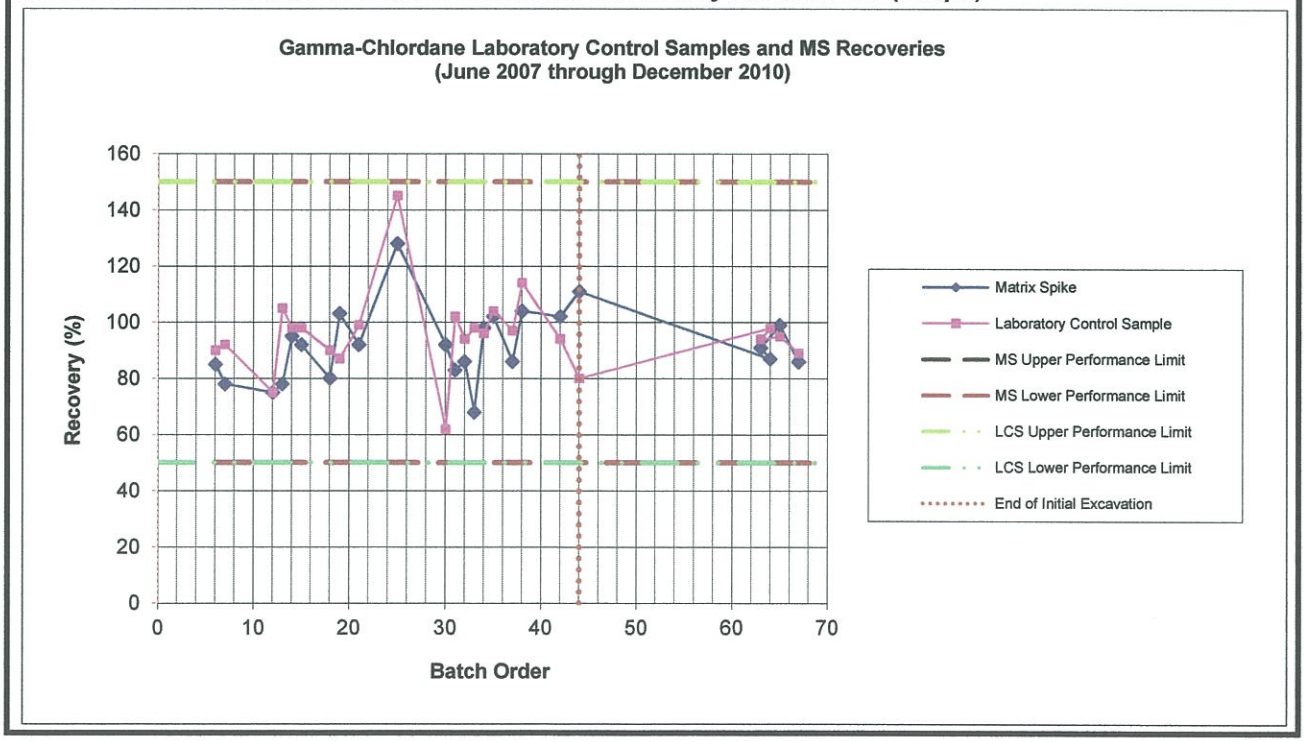


Table Gamma-chlordane-6: Gamma-chlordane - Laboratory MSD

Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/28/08	8	49894	6
WS-N03-080507MSD	5/29/08	18	50154	7
WS-K05-080509MSD	6/6/08	9	50167	12
WS-K02-080509MSD	6/6/08	6	50341	13
ES-T08-080522MSD	6/7/08	5	50342	14
ES-S07-080521MSD	6/13/08	3	50463	15
ES-V11-080529MSD	6/21/08	9	50664	18
ES-K02-080602MSD	6/26/08	14	50703	19
ES-L06-080605MSD	6/27/08	2	50808	21
ES-N09-080610MSD	6/30/08	5	50839	25
WS-E04-080613MSD	7/13/08	1	51094	30
WS-I02-080618MSD	7/14/08	6	51095	31
WS-D04-080623MSD	7/15/08	1	51096	32
WS-B04-080626MSD	7/15/08	13	51157	33
ES-N09-080610MSD	7/16/08	6	51189	34
ES-C01-080624MSD	7/21/08	3	51155	35
WS-K02-080509MSD	7/28/08	6	51427	37
ES-K07-081112MSD	11/24/08	5	54432	38
DUP 22MSD	12/11/08	3	54815	42
DUP 24MSD	12/30/08	4	55050	44
BOR-825MSD	9/9/10	28	69470	64
ES-Q07-100818MSD	9/9/10	8	69733	63
DUP-51MSD	9/10/10	2	69734	65
ES-SB3-100901MSD	9/20/10	5	70170	67

Average MSD RPD = 7 %
Maximum MSD RPD = 28 %

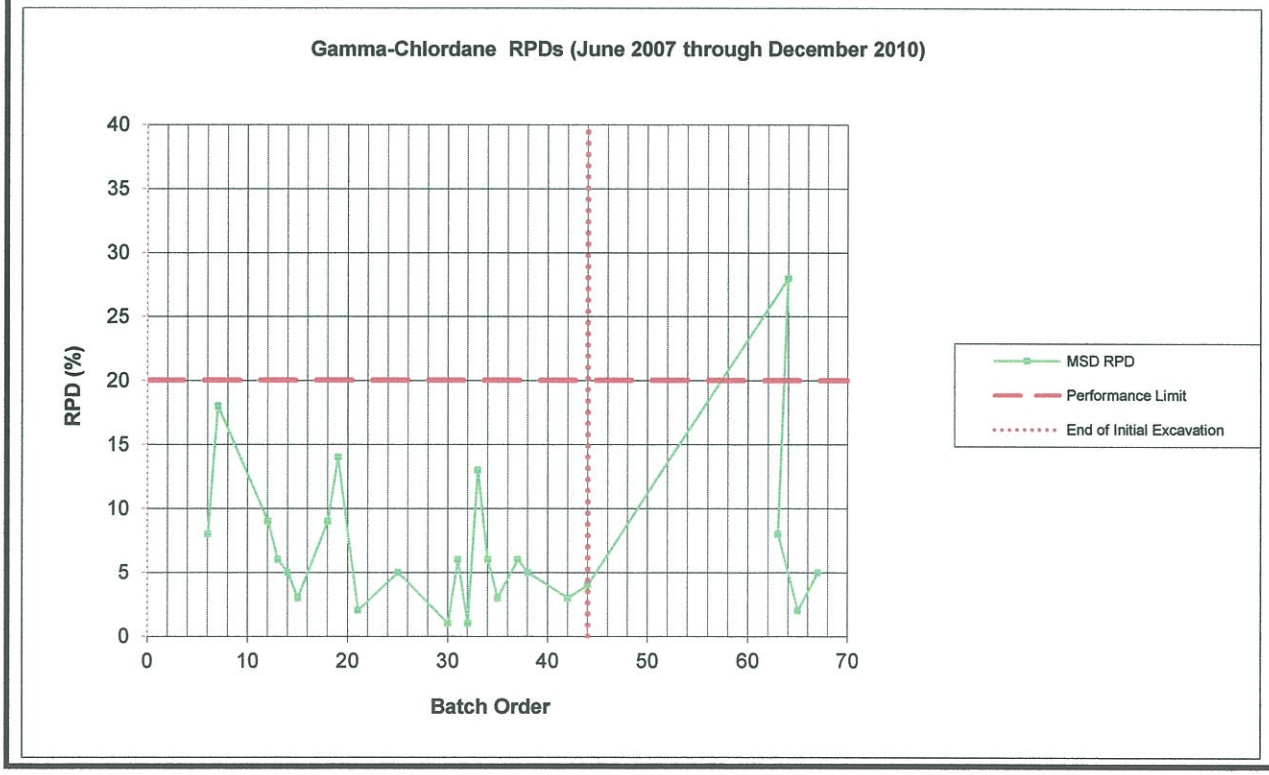


Table Gamma-chlordane-7: Method 8081 Surrogate (Decachlorobiphenyl) Recoveries

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

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

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

Table Gamma-chlordane-7: Method 8081 Surrogate (Decachlorobiphenyl) Recoveries (Graph)

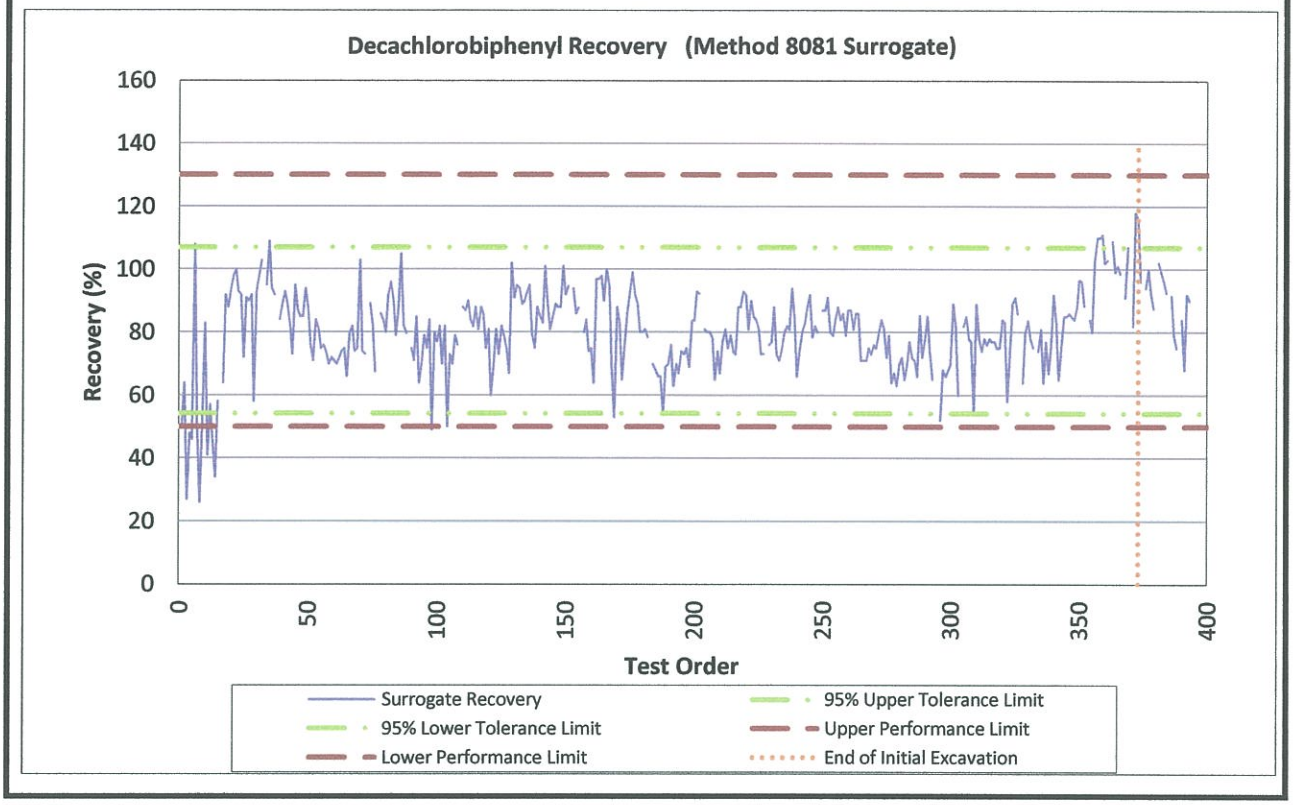


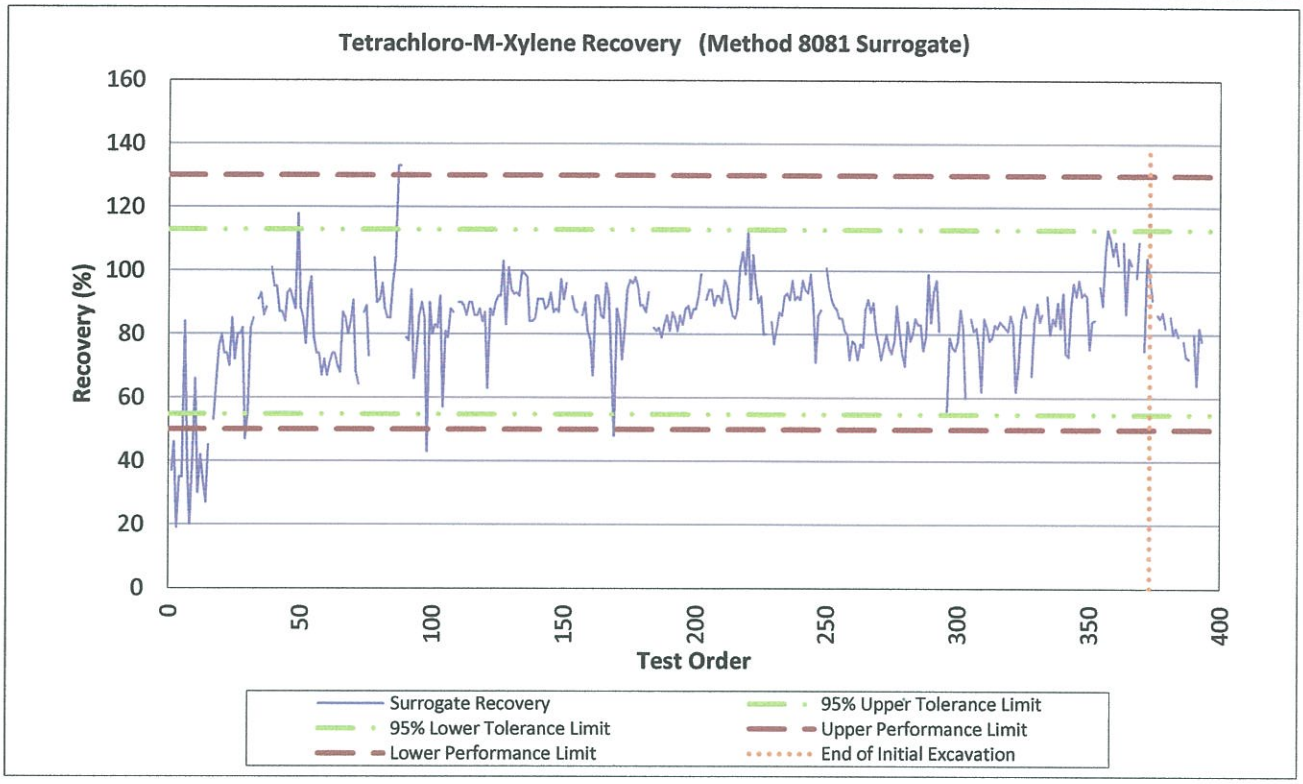
Table Gamma-chlordane-8: Method 8081 Surrogate (Tetrachloro-m-xylene) Recoveries

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

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

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

Table Gamma-chlordane-8: Method 8081 Surrogate (Tetrachloro-m-xylene) Recoveries (Graph)



GAMMA-CHLORDANE Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	A1	ES-A01-080623	CHLORDANE	0.00031	21-Jul-08	51155	N	ES-A01-080623
East Site	B1	ES-B01-080623	CHLORDANE	0.00031	21-Jul-08	51155	N	ES-B01-080623
East Site	C1	ES-C01-080624	CHLORDANE	0.00031	21-Jul-08	51155	N	ES-C01-080624
East Site	D1	ES-D01-080624	CHLORDANE	0.00031	21-Jul-08	51155	N	ES-D01-080624
East Site	E1	ES-E01-080528	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-E01-080528
East Site	E2	ES-E02-080611	CHLORDANE	0.00031	30-Jun-08	50839	N	ES-E02-080611
East Site	F1	ES-F01-080529	CHLORDANE	0.00031	21-Jun-08	50664	N	ES-F01-080529
East Site	F1	ES-F01-080529	CHLORDANE	0.00130	14-Jul-08	51095	Y	DUP-17
East Site	G1	ES-G01-080529	CHLORDANE	0.00031	21-Jun-08	50664	N	ES-G01-080529
East Site	G2	ES-G02-080605	CHLORDANE	0.00031	27-Jun-08	50703	N	ES-G02-080605
East Site	H1	ES-H01-080528	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-H01-080528
East Site	H2	ES-H02-080515	CHLORDANE	0.00031	06-Jun-08	50341	N	ES-H02-080515
East Site	H3	ES-H03-080605	CHLORDANE	0.00031	26-Jun-08	50703	N	ES-H03-080605
East Site	I1	ES-I01-080529	CHLORDANE	0.00031	21-Jun-08	50664	N	ES-I01-080529
East Site	I2	ES-I02-080514	CHLORDANE	0.00031	06-Jun-08	50341	N	ES-I02-080514
East Site	I3	ES-I03-080513	CHLORDANE	0.00031	06-Jun-08	50341	N	ES-I03-080513
East Site	I4	ES-I04-080602	CHLORDANE	0.00031	23-Jun-08	50664	N	ES-I04-080602
East Site	J1	ES-J01-080529	CHLORDANE	0.00031	21-Jun-08	50664	N	ES-J01-080529
East Site	J2	ES-J02-080527	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-J02-080527
East Site	J2	ES-J02-080527	CHLORDANE	0.00031	30-Jun-08	50839	N	DUP-15
East Site	J3	ES-J03-080513	CHLORDANE	0.00030	06-Jun-08	50341	N	ES-J03-080513
East Site	J3	ES-J03-080513	CHLORDANE	0.00030	30-Jun-08	50703	N	DUP-11
East Site	J4	ES-J04-080530	CHLORDANE	0.00210	23-Jun-08	50664	Y	ES-J04-080530
East Site	J4	ES-J04-080530	CHLORDANE	0.00031	15-Jul-08	51096	N	DUP-18
East Site	J5	ES-J05-080602	CHLORDANE	0.00031	23-Jun-08	50664	N	ES-J05-080602
East Site	K1	ES-K01-080602	CHLORDANE	0.00031	23-Jun-08	50664	N	ES-K01-080602
East Site	K2	ES-K02-080602	CHLORDANE	0.00031	26-Jun-08	50703	N	ES-K02-080602
East Site	K3	ES-K03-080514	CHLORDANE	0.00031	06-Jun-08	50341	N	ES-K03-080514
East Site	K4	ES-K04-080527	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-K04-080527
East Site	K5	ES-K05-080605	CHLORDANE	0.00031	27-Jun-08	50703	N	ES-K05-080605
East Site	K5	ES-K05-080605	CHLORDANE	0.00030	21-Jul-08	51155	N	DUP-19
East Site	K7	ES-K07-080611	CHLORDANE	0.00410	30-Jun-08	50839	Y	ES-K07-080611
East Site	K7	ES-K07-081112	CHLORDANE	0.00031	24-Nov-08	54432	N	ES-K07-081112
East Site	K7	ES-K07-081112	CHLORDANE	0.00030	30-Dec-08	55050	N	DUP 24
East Site	L1	ES-L01-080625	CHLORDANE	0.00031	15-Jul-08	51157	N	ES-L01-080625
East Site	L2	ES-L02-080625	CHLORDANE	0.00031	15-Jul-08	51157	N	ES-L02-080625
East Site	L3	ES-L03-080604	CHLORDANE	0.00031	26-Jun-08	50703	N	ES-L03-080604
East Site	L4	ES-L04-080604	CHLORDANE	0.00031	26-Jun-08	50703	N	ES-L04-080604
East Site	L5	ES-L05-080620	CHLORDANE	0.00031	15-Jul-08	51096	N	ES-L05-080620
East Site	L6	ES-L06-080605	CHLORDANE	0.00031	27-Jun-08	50808	N	ES-L06-080605
East Site	M1	ES-M01-080527	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-M01-080527
East Site	M2	ES-M02-080519	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-M02-080519
East Site	M3	ES-M03-080519	CHLORDANE	0.00031	07-Jun-08	50341	N	ES-M03-080519
East Site	M4	ES-M04-080515	CHLORDANE	0.00031	06-Jun-08	50341	N	ES-M04-080515
East Site	M4	ES-M04-080515	CHLORDANE	0.00031	28-Jul-08	51427	N	ES-M04-080515
East Site	M5	ES-M05-080527	CHLORDANE	0.00030	07-Jun-08	50342	N	ES-M05-080527
East Site	M6	ES-M06-080520	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-M06-080520

GAMMA-CHLORDANE Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	M7	ES-M07-080612	CHLORDANE	0.00031	01-Jul-08	50839	N	ES-M07-080612
East Site	M8	ES-M08-080610	CHLORDANE	0.00031	30-Jun-08	50808	N	ES-M08-080610
East Site	M9	ES-M09-080611	CHLORDANE	0.00031	16-Jul-08	51189	N	ES-M09-080611
East Site	N2	ES-N02-080528	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-N02-080528
East Site	N3	ES-N03-080520	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-N03-080520
East Site	N4	ES-N04-080519	CHLORDANE	0.00031	06-Jun-08	50341	N	ES-N04-080519
East Site	N5	ES-N05-080519	CHLORDANE	0.00031	07-Jun-08	50341	N	ES-N05-080519
East Site	N6	ES-N06-080527	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-N06-080527
East Site	N7	ES-N07-080530	CHLORDANE	0.00031	23-Jun-08	50664	N	ES-N07-080530
East Site	N7	ES-N07-080530	CHLORDANE	0.00031	28-Jul-08	51427	N	ES-N07-080530
East Site	N8	ES-N08-080610	CHLORDANE	0.00031	27-Jun-08	50808	N	ES-N08-080610
East Site	N9	ES-N09-080610	CHLORDANE	0.00031	16-Jul-08	51189	N	ES-N09-080610
East Site	N10	ES-N10-080610	CHLORDANE	0.00031	30-Jun-08	50808	N	ES-N10-080610
East Site	O3	ES-O03-080528	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-O03-080528
East Site	O4	ES-O04-080515	CHLORDANE	0.00031	06-Jun-08	50341	N	ES-O04-080515
East Site	O5	ES-O05-080520	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-O05-080520
East Site	O6	ES-O06-080529	CHLORDANE	0.00031	21-Jun-08	50664	N	ES-O06-080529
East Site	O7	ES-O07-080530	CHLORDANE	0.00030	23-Jun-08	50664	N	ES-O07-080530
East Site	O8	ES-O08-080530	CHLORDANE	0.00031	23-Jun-08	50664	N	ES-O08-080530
East Site	O9	ES-O09-080610	CHLORDANE	0.00031	30-Jun-08	50808	N	ES-O09-080610
East Site	O10	ES-O10-080611	CHLORDANE	0.00030	30-Jun-08	50839	N	ES-O10-080611
East Site	P4	ES-P04-080528	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-P04-080528
East Site	P4	ES-P04-080528	CHLORDANE	0.00031	14-Jul-08	51095	N	DUP-16
East Site	P5	ES-P05-080513	CHLORDANE	0.00031	06-Jun-08	50341	N	ES-P05-080513
East Site	P6	ES-P06-080515	CHLORDANE	0.00031	06-Jun-08	50341	N	ES-P06-080515
East Site	P6	ES-P06-080515	CHLORDANE	0.00031	27-Jun-08	50808	N	DUP-12
East Site	P7	ES-P07-080519	CHLORDANE	0.00031	06-Jun-08	50341	N	ES-P07-080519
East Site	P7	ES-P07-100818	CHLORDANE	0.00031	09-Sep-10	69733	N	ES-P07-100818
East Site	P8	ES-P08-080530	CHLORDANE	0.00031	23-Jun-08	50664	N	ES-P08-080530
East Site	P10	ES-P10-080606	CHLORDANE	0.00031	27-Jun-08	50703	N	ES-P10-080606
East Site	P11	ES-P11-080606	CHLORDANE	0.00031	27-Jun-08	50703	N	ES-P11-080606
East Site	Q5	ES-Q05-080520	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-Q05-080520
East Site	Q6	ES-Q06-080520	CHLORDANE	0.00610	13-Jun-08	50463	Y	ES-Q06-080520
East Site	Q7	ES-Q07-080519	CHLORDANE	0.00031	07-Jun-08	50341	N	ES-Q07-080519
East Site	Q7	ES-Q07-100818	CHLORDANE	0.00031	09-Sep-10	69733	N	ES-Q07-100818
East Site	Q8	ES-Q08-080519	CHLORDANE	0.00030	07-Jun-08	50341	N	ES-Q08-080519
East Site	Q9	ES-Q09-080612	CHLORDANE	0.00031	30-Jun-08	50839	N	ES-Q09-080612
East Site	Q10	ES-Q10-080606	CHLORDANE	0.00031	27-Jun-08	50703	N	ES-Q10-080606
East Site	Q11	ES-Q11-080606	CHLORDANE	0.00031	27-Jun-08	50703	N	ES-Q11-080606
East Site	Q17	ES-Q17-080609	CHLORDANE	0.00031	30-Jun-08	50808	N	ES-Q17-080609
East Site	R5	ES-R05-080521	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-R05-080521
East Site	R6	ES-R06-080521	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-R06-080521
East Site	R7	ES-R07-080521	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-R07-080521
East Site	R8	ES-R08-080519	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-R08-080519
East Site	R9	ES-R09-080520	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-R09-080520
East Site	R10	ES-R10-080602	CHLORDANE	0.00031	23-Jun-08	50664	N	ES-R10-080602
East Site	R11	ES-R11-080605	CHLORDANE	0.00031	27-Jun-08	50703	N	ES-R11-080605

GAMMA-CHLORDANE Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	R12	ES-R12-080611	CHLORDANE	0.00031	30-Jun-08	50839	N	ES-R12-080611
East Site	R16	ES-R16-080605	CHLORDANE	0.00031	27-Jun-08	50703	N	ES-R16-080605
East Site	R17	ES-R17-080606	CHLORDANE	0.00031	27-Jun-08	50703	N	ES-R17-080606
East Site	S5	ES-S05-080521	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-S05-080521
East Site	S6	ES-S06-080521	CHLORDANE	0.00031	13-Jun-08	50463	N	ES-S06-080521
East Site	S7	ES-S07-080521	CHLORDANE	0.00041	13-Jun-08	50463	Y	ES-S07-080521
East Site	S8	ES-S08-080522	CHLORDANE	0.00030	07-Jun-08	50342	N	ES-S08-080522
East Site	S9	ES-S09-080522	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-S09-080522
East Site	S10	ES-S10-080523	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-S10-080523
East Site	S11	ES-S11-080528	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-S11-080528
East Site	S12	ES-S12-080609	CHLORDANE	0.00031	27-Jun-08	50808	N	ES-S12-080609
East Site	S13	ES-S13-080610	CHLORDANE	0.00031	27-Jun-08	50808	N	ES-S13-080610
East Site	S17	ES-S17-080606	CHLORDANE	0.00031	27-Jun-08	50703	N	ES-S17-080606
East Site	S18	ES-S18-080606	CHLORDANE	0.00031	27-Jun-08	50703	N	ES-S18-080606
East Site	T7	ES-T07-080612	CHLORDANE	0.00031	16-Jul-08	51189	N	ES-T07-080612
East Site	T8	ES-T08-080522	CHLORDANE	0.00030	07-Jun-08	50342	N	ES-T08-080522
East Site	T8	ES-T08-080522	CHLORDANE	0.00031	01-Jul-08	50808	N	DUP-13
East Site	T9	ES-T09-080522	CHLORDANE	0.00030	07-Jun-08	50342	N	ES-T09-080522
East Site	T10	ES-T10-080523	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-T10-080523
East Site	T10	ES-T10-080523	CHLORDANE	0.00031	30-Jun-08	50839	N	DUP-14
East Site	T11	ES-T11-080530	CHLORDANE	0.00031	23-Jun-08	50664	N	ES-T11-080530
East Site	T12	ES-T12-080609	CHLORDANE	0.00031	27-Jun-08	50808	N	ES-T12-080609
East Site	T13	ES-T13-080609	CHLORDANE	0.00031	27-Jun-08	50808	N	ES-T13-080609
East Site	T14	ES-T14-080610	CHLORDANE	0.00031	30-Jun-08	50808	N	ES-T14-080610
East Site	U10	ES-U10-080523	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-U10-080523
East Site	U11	ES-U11-080602	CHLORDANE	0.00031	26-Jun-08	50703	N	ES-U11-080602
East Site	U13	ES-U13-080610	CHLORDANE	0.00031	27-Jun-08	50808	N	ES-U13-080610
East Site	U14	ES-U14-080610	CHLORDANE	0.00031	30-Jun-08	50808	N	ES-U14-080610
East Site	V11	ES-V11-080529	CHLORDANE	0.00100	21-Jun-08	50664	Y	ES-V11-080529
East Site	V14	ES-V14-080605	CHLORDANE	0.00031	26-Jun-08	50703	N	ES-V14-080605
East Site	W12	ES-W12-080527	CHLORDANE	0.00031	07-Jun-08	50342	N	ES-W12-080527
West Site	A4	WS-A04-080626	CHLORDANE	0.00031	15-Jul-08	51157	N	WS-A04-080626
West Site	B2	WS-B02-080502	CHLORDANE	0.00031	29-May-08	50154	N	WS-B02-080502
West Site	B3	WS-B03-080502	CHLORDANE	0.00031	29-May-08	50154	N	WS-B03-080502
West Site	B4	WS-B04-080626	CHLORDANE	0.00031	15-Jul-08	51157	N	WS-B04-080626
West Site	B5	WS-B05-080626	CHLORDANE	0.00031	15-Jul-08	51157	N	WS-B05-080626
West Site	C1	WS-C01-080501	CHLORDANE	0.00031	28-May-08	49894	N	WS-C01-080501
West Site	C1	WS-C01-080501	CHLORDANE	0.00031	06-Jun-08	50167	N	DUP-3
West Site	C2	WS-C02-080428	CHLORDANE	0.00031	28-May-08	49894	N	WS-C02-080428
West Site	C3	WS-C03-080620	CHLORDANE	0.00031	15-Jul-08	51096	N	WS-C03-080620
West Site	C4	WS-C04-080623	CHLORDANE	0.00031	21-Jul-08	51155	N	WS-C04-080623
West Site	C5	WS-C05-080620	CHLORDANE	0.00031	15-Jul-08	51096	N	WS-C05-080620
West Site	C6	WS-C06-080624	CHLORDANE	0.00031	21-Jul-08	51155	N	WS-C06-080624
West Site	D1	WS-D01-080430	CHLORDANE	0.00030	28-May-08	49894	N	WS-D01-080430
West Site	D2	WS-D02-080429	CHLORDANE	0.00031	28-May-08	49894	N	DUP-2
West Site	D2	WS-D02-080429	CHLORDANE	0.00031	28-May-08	49894	N	WS-D02-080429
West Site	D3	WS-D03-080620	CHLORDANE	0.00031	15-Jul-08	51096	N	WS-D03-080620

GAMMA-CHLORDANE Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	D3	WS-D03-100803	CHLORDANE	0.00031	10-Sep-10	69734	N	DUP-51
West Site	D4	WS-D04-080623	CHLORDANE	0.00031	14-Jul-08	51096	N	WS-D04-080623
West Site	D5	WS-D05-080620	CHLORDANE	0.00031	15-Jul-08	51096	N	WS-D05-080620
West Site	D6	WS-D06-080619	CHLORDANE	0.00031	15-Jul-08	51096	N	WS-D06-080619
West Site	D7	WS-D07-080619	CHLORDANE	0.00031	15-Jul-08	51096	N	WS-D07-080619
West Site	E1	WS-E01-080430	CHLORDANE	0.00031	28-May-08	49894	N	WS-E01-080430
West Site	E2	WS-E02-080428	CHLORDANE	0.00031	28-May-08	49894	N	DUP-1
West Site	E2	WS-E02-080428	CHLORDANE	0.00031	28-May-08	49894	N	WS-E02-080428
West Site	E3	WS-E03-080619	CHLORDANE	0.00031	15-Jul-08	51096	N	WS-E03-080619
West Site	E4	WS-E04-080613	CHLORDANE	0.00030	13-Jul-08	51094	N	WS-E04-080613
West Site	E5	WS-E05-080613	CHLORDANE	0.00031	30-Jun-08	50839	N	WS-E05-080613
West Site	E6	WS-E06-080613	CHLORDANE	0.00031	21-Jul-08	51155	N	WS-E06-080613
West Site	E7	WS-E07-080613	CHLORDANE	0.00031	13-Jul-08	51094	N	WS-E07-080613
West Site	E8	WS-E08-080616	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-E08-080616
West Site	F1	WS-F01-080429	CHLORDANE	0.00031	28-May-08	49894	N	WS-F01-080429
West Site	F2	WS-F02-080429	CHLORDANE	0.00031	28-May-08	49894	N	WS-F02-080429
West Site	F3	WS-F03-080619	CHLORDANE	0.00031	15-Jul-08	51096	N	WS-F03-080619
West Site	F4	WS-F04-080616	CHLORDANE	0.00031	13-Jul-08	51094	N	WS-F04-080616
West Site	F5	WS-F05-080612	CHLORDANE	0.00031	13-Jul-08	51094	N	WS-F05-080612
West Site	F6	WS-F06-080612	CHLORDANE	0.00031	13-Jul-08	51094	N	WS-F06-080612
West Site	F7	WS-F07-080617	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-F07-080617
West Site	F8	WS-F08-080618	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-F08-080618
West Site	G1	WS-G01-080501	CHLORDANE	0.00031	28-May-08	49894	N	WS-G01-080501
West Site	G1	WS-G01-080501	CHLORDANE	0.00031	06-Jun-08	50167	N	DUP-4
West Site	G2	WS-G02-080618	CHLORDANE	0.00031	15-Jul-08	51096	N	WS-G02-080618
West Site	G3	WS-G03-080619	CHLORDANE	0.00030	15-Jul-08	51096	N	WS-G03-080619
West Site	G4	WS-G04-080616	CHLORDANE	0.00031	13-Jul-08	51094	N	WS-G04-080616
West Site	G5	WS-G05-080613	CHLORDANE	0.00031	30-Jun-08	50839	N	WS-G05-080613
West Site	G6	WS-G06-080616	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-G06-080616
West Site	G7	WS-G07-080617	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-G07-080617
West Site	H1	WS-H01-080501	CHLORDANE	0.00031	29-May-08	50154	N	WS-H01-080501
West Site	H2	WS-H02-080618	CHLORDANE	0.00031	15-Jul-08	51096	N	WS-H02-080618
West Site	H3	WS-H03-080619	CHLORDANE	0.00030	15-Jul-08	51096	N	WS-H03-080619
West Site	H4	WS-H04-080616	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-H04-080616
West Site	H5	WS-H05-080613	CHLORDANE	0.00031	13-Jul-08	51094	N	WS-H05-080613
West Site	H5	WS-H05-081110	CHLORDANE	0.00030	11-Dec-08	54815	N	DUP 22
West Site	H6	WS-H06-080617	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-H06-080617
West Site	I1	WS-I01-080501	CHLORDANE	0.00032	29-May-08	50154	N	WS-I01-080501
West Site	I1	WS-I01-080501	CHLORDANE	0.00032	06-Jun-08	50167	N	DUP-5
West Site	I2	WS-I02-080618	CHLORDANE	0.00030	14-Jul-08	51095	N	WS-I02-080618
West Site	I3	WS-I03-080618	CHLORDANE	0.00030	14-Jul-08	51095	N	WS-I03-080618
West Site	I4	WS-I04-080617	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-I04-080617
West Site	I5	WS-I05-080617	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-I05-080617
West Site	I6	WS-I06-080617	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-I06-080617
West Site	J1	WS-J01-080505	CHLORDANE	0.00031	29-May-08	50154	N	WS-J01-080505
West Site	J1	WS-J01-080505	CHLORDANE	0.00031	13-Jun-08	50463	N	DUP-6
West Site	J2	WS-J02-080624	CHLORDANE	0.00031	21-Jul-08	51155	N	WS-J02-080624

GAMMA-CHLORDANE Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	J3	WS-J03-080620	CHLORDANE	0.00031	15-Jul-08	51096	N	WS-J03-080620
West Site	J4	WS-J04-080617	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-J04-080617
West Site	J5	WS-J05-080618	CHLORDANE	0.00031	14-Jul-08	51095	N	WS-J05-080618
West Site	K1	WS-K01-080505	CHLORDANE	0.00031	29-May-08	50154	N	WS-K01-080505
West Site	K2	WS-K02-080509	CHLORDANE	0.00200	06-Jun-08	50341	Y	WS-K02-080509
West Site	K2	WS-K02-080509	CHLORDANE	0.00031	28-Jul-08	51427	N	WS-K02-080509
West Site	K3	WS-K03-080509	CHLORDANE	0.00031	06-Jun-08	50341	N	WS-K03-080509
West Site	K4	WS-K04-080513	CHLORDANE	0.00031	06-Jun-08	50341	N	WS-K04-080513
West Site	K4	WS-K04-080513	CHLORDANE	0.00030	23-Jun-08	50664	N	DUP-10
West Site	K5	WS-K05-080509	CHLORDANE	0.00031	06-Jun-08	50167	N	WS-K05-080509
West Site	L1	WS-L01-080505	CHLORDANE	0.00031	29-May-08	50154	N	WS-L01-080505
West Site	L2	WS-L02-080508	CHLORDANE	0.00031	29-May-08	50154	N	WS-L02-080508
West Site	L3	WS-L03-080508	CHLORDANE	0.00031	29-May-08	50154	N	WS-L03-080508
West Site	L4	WS-L04-080508	CHLORDANE	0.00031	29-May-08	50154	N	WS-L04-080508
West Site	L4	WS-L04-080508	CHLORDANE	0.00031	13-Jun-08	50463	N	DUP-9
West Site	M1	WS-M01-080505	CHLORDANE	0.00031	29-May-08	50154	N	WS-M01-080505
West Site	M1	WS-M01-080505	GAMMA-CHLOR	0.00031	06/06/08	50167	N	DUP-7
West Site	M2	WS-M02-080507	GAMMA-CHLOR	0.00031	05/29/08	50154	N	WS-M02-080507
West Site	M3	WS-M03-080507	GAMMA-CHLOR	0.00031	05/29/08	50154	N	WS-M03-080507
West Site	M3	WS-M03-080507	GAMMA-CHLOR	0.00031	06/07/08	50342	N	DUP-8
West Site	M4	WS-M04-080507	GAMMA-CHLOR	0.00031	05/29/08	50154	N	WS-M04-080507
West Site	N1	WS-N01-080506	GAMMA-CHLOR	0.00031	05/29/08	50154	N	WS-N01-080506
West Site	N2	WS-N02-080506	GAMMA-CHLOR	0.00031	05/29/08	50154	N	WS-N02-080506
West Site	N3	WS-N03-080507	GAMMA-CHLOR	0.00031	05/29/08	50154	N	WS-N03-080507
West Site	O1	WS-O01-080506	GAMMA-CHLOR	0.00031	05/29/08	50154	N	WS-O01-080506
West Site	O2	WS-O02-080506	GAMMA-CHLOR	0.00031	05/29/08	50154	N	WS-O02-080506

Table Heptachlor-epoxide-1: Heptachlor Epoxide Data Quality Summary

Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	61%	
Minimum Matrix Spike Recovery	greater than 50%	62%	
Minimum Surrogate Recovery	greater than 50%	19%	Tetrachloro-m-xylene
Average LCS Recovery	N/A	95%	
Average Matrix Spike Recovery	N/A	85%	
Average Surrogate Recovery	N/A	81%	Decachlorobiphenyl
Maximum MSD RPD	less than 20%	24%	
Average MSD RPD	N/A	6%	
Measurement Quality Objectives	**Criteria**	**Measured**	
NPS CRM	Recovery greater than 0.0108	Minimum Recovery =	0.001 mg/kg
EQIS CRM	Recovery greater than 0.019	Minimum Recovery =	0.016 mg/kg
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	142 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	11 %
Overall QC Indicator Measurements	**Criteria**	**Measured**	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	65.6 %
NPS Replicate Test (Precision measure)	None	Standard Deviation =	mg/kg
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal	0.011 mg/kg		
Tier 2 Remediation Goal	None		
QC Derived Reliance Level	0.0084 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 CVS samples. A low minimum LCS recovery (61%) accompanied by a high average LCS recovery (95%) indicates that an infrequent analysis problem may cause a bias toward low measurements. Low minimum and average matrix spike recoveries (62% and 86% respectively) indicate a bias towards low measured concentrations. Additionally, a low minimum EQIS CRM recovery (0.016 mg/kg) indicates bias favoring low measurements. A high maximum RPD observed in CVS split sample analysis (142%) is evidence of imprecision at concentrations near the reporting limit (0.0005mg/kg). However, maximum CRM split analyses RPD (11%) indicate that analyses of manufactured samples at a concentration that is approximately twice the RG (0.011 mg/kg) is reasonably good. The derived reliance level (0.0084 mg/kg) is less than the RG (0.0100 mg/kg), due primarily to measurement bias. Evaluation of individual data points reveals that the less reliable heptachlor epoxide CVS results were superseded (except in WS grid M4), because they pertain to grids that underwent subsequent excavation and CVS that produced acceptable results. Thus, it is concluded that all heptachlor epoxide CVS results that are necessary for the RG achievement decision in each grid were below the derived reliance level, except for West Site grid M4, so for these grids, confidence that the bis(2-ethyhexyl)phthalate RG was achieved is not compromised. With respect to West Site grid M4, we take note of the fact that WS-M4 was analyzed in batch 50463. The EQIS CRM recovery for that batch is approximately equal to the mean of all EQIS CRM recoveries, and the RPD was encouragingly low (5%). The LCS and matrix spike recoveries were likewise good at 100% and 94%, respectively. Matrix spike RPD was likewise low (3%). Based on the foregoing, together with the review of the QC data, it is determined that the confidence in a decision using the heptachlor epoxide CVS data for grid WS-M4 is not expected to be compromised. It is concluded, therefore, that the heptachlor epoxide CVS measurements that are necessary to the evaluation of RG achievement are of acceptable quality and may be used to determine RG achievement.

Note 1:The standard deviation of EQIS CRM analyses (0.0016 mg/kg) is used to represent measurement imprecision near the RG and is used with an estimate of bias from DOI CRMs (average recovery = 73.5%) to calculate the derived reliance level (0.0084 mg/kg). Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.011)(1.2)(.735)-(0.84)(0.0016) = 0.0084 mg/kg

Table Heptachlor-epoxide-2: Heptachlor Epoxide - NPS CRMs				
Blind NPS CRM Results				
Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 53	0.018	6/6/08	50341	Y
BO 50,55,58,72	0.017	6/23/08	50664	Y
BOR 75,78,81	0.0005	6/30/08	50839	N
BOR SAMPLES 76,79,82	0.017	7/13/08	51094	Y
BOR 102-96-99-105	0.017	7/15/08	51096	Y
BOR 101	0.016	7/21/08	51155	Y
BOR 103,97,100,106	0.016	7/21/08	51155	Y
BOR200	0.015	11/24/08	54432	Y
BOR201	0.014	11/24/08	54432	Y

CRMs		Vendor Supplied Information
Mean	0.015	*Made to*
Median	0.016	*0.0221 mg/kg*
Standard Deviation	0.005	
Sample Variance	0.000	*Upper Acceptance Limit*
Kurtosis	7.752	*0.0275 mg/kg*
Skewness	-2.725	
Range	0.018	*Lower Acceptance Limit*
Minimum	0.001	*0.0108 mg/kg*
Maximum	0.018	
Sum	0.131	
Count	9.000	
Largest(2)	0.017	
Smallest(2)	0.014	

Table Heptachlor-epoxide-3: Heptachlor Epoxide NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 500	0.0030	6/6/08	50341	WS-F01-080429	0.0005	5/28/2008	142
BOR 501	0.0005	6/7/08	50342	WS-L04-080508	0.0005	6/13/2008	2
BOR 505	0.0030	6/23/08	50664	WS-K03-080509	0.0041	6/6/2008	31
BOR 506	0.0005	6/30/08	50839	ES-S10-080523	0.0005	6/7/2008	2
BOR 504	0.0005	7/13/08	51094	ES-M05-080527	0.0005	6/7/2008	2
BOR 507	0.0005	7/15/08	51096	ES-O09-080610	0.0005	6/30/2008	2
BOR 502	0.0005	7/21/08	51155	WS-F05-080612	0.0005	7/13/2008	2
BOR 508	0.0005	7/21/08	51155	ES-Q11-080606	0.0005	6/27/2008	2
BOR 509	0.0005	7/21/08	51155	WS-E06-080613	0.0005	7/21/2008	2
BOR 510	0.0005	7/21/08	51155	OU-8HR-080605	0.0005	6/27/2008	2
DUP-1	0.0005	5/28/08	49894	WS-E02-080428	0.0010	5/28/2008	65
DUP-2	0.0005	5/28/08	49894	WS-D02-080429	0.0005	5/28/2008	0
DUP-3	0.0020	6/6/08	50167	WS-C01-080501	0.0020	5/28/2008	0
DUP-4	0.0005	6/6/08	50167	WS-G01-080501	0.0010	5/28/2008	65
DUP-5	0.0032	6/6/08	50167	WS-I01-080501	0.0043	5/29/2008	29
DUP-7	0.0021	6/6/08	50167	WS-M01-080505	0.0005	5/29/2008	121
DUP-8	0.0072	6/7/08	50342	WS-M03-080507	0.0072	5/29/2008	0
DUP-6	0.0021	6/13/08	50463	WS-J01-080505	0.0021	5/29/2008	0
DUP-9	0.0005	6/13/08	50463	WS-L04-080508	0.0005	6/13/2008	
DUP-10	0.0005	6/23/08	50664	WS-K04-080513	0.0020	6/6/2008	120
DUP-12	0.0005	6/27/08	50808	ES-P06-080515	0.0010	6/6/2008	65
DUP-11	0.0005	6/30/08	50703	ES-J03-080513	0.0010	6/6/2008	65
DUP-14	0.0005	6/30/08	50839	ES-T10-080523	0.0005	6/7/2008	
DUP-15	0.0005	6/30/08	50839	ES-J02-080527	0.0005	6/7/2008	
DUP-13	0.0005	7/1/08	50808	ES-T08-080522	0.0010	6/7/2008	65
DUP-16	0.0006	7/14/08	51095	ES-P04-080528	0.0005	6/13/2008	19
DUP-17	0.0005	7/14/08	51095	ES-F01-080529	0.0005	6/21/2008	
DUP-18	0.0005	7/15/08	51096	ES-J04-080530	0.0005	6/23/2008	
DUP-19	0.0005	7/21/08	51155	ES-K05-080605	0.0005	6/27/2008	
DUP-51	0.0005	9/10/10	69734	WS-D03-100803			

[ ] Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	34.897
Median	1.980
Standard Deviation	44.904
Sample Variance	2016.341
Kurtosis	0.317
Skewness	1.180
Range	141.880
Minimum	0.000
Maximum	141.880
Sum	802.624
Count	23.000
Largest(2)	120.611
Smallest(2)	0.000

Table Heptachlor-epoxide-4: Heptachlor Epoxide EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	0.0202	5/29/08	50154	Y		
ES-Z05-080519	0.022	6/6/08	50167	Y	0.021	9
ES-Z06-080520	0.021	6/6/08	50167	Y		
ES-Z07-080522	0.02	6/6/08	50167	Y	0.021	5
ES-Z08-080527	0.019	6/7/08	50342	Y		
ES-Z09-080529	0.02	6/13/08	50463	Y	0.020	5
ES-Z10-080602	0.018	6/23/08	50664	Y		
ES-Z11-080605	0.02	6/27/08	50703	Y	0.019	11
ES-Z12-080606-A	0.021	6/27/08	50808	Y		
ES-Z12-080606-B	0.02	6/27/08	50808	Y	0.021	5
ES-Z13-080610 A	0.023	6/30/08	50808	Y		
ES-Z13-080610 B	0.022	6/30/08	50808	Y	0.023	4
ES-Z14-080611 A	0.02	6/30/08	50839	Y		
ES-Z14-080611 B	0.021	6/30/08	50839	Y	0.021	5
WS-Z15-080613 A	0.021	6/30/08	50839	Y		
WS-Z15-080613 B	0.02	6/30/08	50839	Y	0.021	5
ES-Z05-080519 B	0.018	7/13/08	51094	Y		
ES-Z06-080520 B	0.018	7/13/08	51094	Y	0.018	0
ES-Z07-080522 B	0.016	7/13/08	51094	Y		
ES-Z08-080527 B	0.017	7/13/08	51094	Y	0.017	6
ES-Z09-080529 B	0.017	7/13/08	51094	Y		
ES-Z10-080602 B	0.019	7/13/08	51094	Y	0.018	11
WS-Z01-080430 B	0.019	7/13/08	51094	Y		
ES-Z11-080605 B	0.02	7/14/08	51094	Y	0.020	5
WS-Z16-080617-A	0.018	7/14/08	51095	Y		
WS-Z16-080617-B	0.017	7/14/08	51095	Y	0.018	6
WS-Z17-080618 A	0.018	7/14/08	51095	Y		
WS-Z17-080618 B	0.019	7/14/08	51095	Y	0.019	5
WS-Z18-080620 A	0.019	7/15/08	51096	Y		
WS-Z18-080620 B	0.019	7/15/08	51096	Y	0.019	0
ES-Z19-080624 A	0.021	7/21/08	51155	Y		
ES-Z19-080624 B	0.021	7/21/08	51155	Y	0.021	0
ES-Z21-081112 A	0.019	11/24/08	54432	Y		
ES-Z21-081112 B	0.019	11/24/08	54432	Y	0.019	0
ES-Z37-100826	0.018	9/10/10	69734	Y		

Analysis of EQIS CRMs	
Mean	0.019
Median	0.019
Standard Deviation	0.0016
Sample Variance	0.000
Kurtosis	-0.295
Skewness	0.013
Range	0.007
Minimum	0.016
Maximum	0.023
Sum	0.680
Count	35.000
Largest(2)	0.022
Smallest(2)	0.017

RPD of EQIS CRMs	
Mean	4.798
Median	4.878
Standard Deviation	3.371
Sample Variance	11.366
Kurtosis	-0.145
Skewness	0.098
Range	11.111
Minimum	0.000
Maximum	11.111
Sum	81.562
Count	17.000
Largest(2)	10.526
Smallest(2)	0.000

Table Heptachlor-epoxide-5: Heptachlor Epoxide Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
85	49894	6	92	49894	6
75	50154	7	95	50154	7
75	50167	12	78	50167	12
78	50341	13	108	50341	13
92	50342	14	100	50342	14
94	50463	15	100	50463	15
83	50664	18	95	50664	18
99	50703	19	95	50664	18
95	50808	21	91	50703	19
132	50839	25	91	50703	19
91	51094	30	100	50808	21
80	51095	31	100	50808	21
82	51096	32	146	50839	25
64	51157	33	61	51094	30
91	51189	34	99	51095	31
93	51155	35	89	51096	32
79	51427	37	94	51157	33
74	54432	38	91	51189	34
86	54815	42	98	51155	35
62	55050	44	100	51427	37
82	69470	64	112	54432	38
85	69733	63	95	54815	42
92	69734	65	80	55050	44
82	70170	67	93	69470	64
			89	69733	63
			86	69734	65
			84	70170	67

Average MS Recovery =	85	%	Average LCS Recovery =	95	%
Minimum MS Recovery =	62	%	Minimum LCS Recovery =	61	%

Table Heptachlor-epoxide-5: Heptachlor Epoxide Laboratory MS and LCS (Graph)

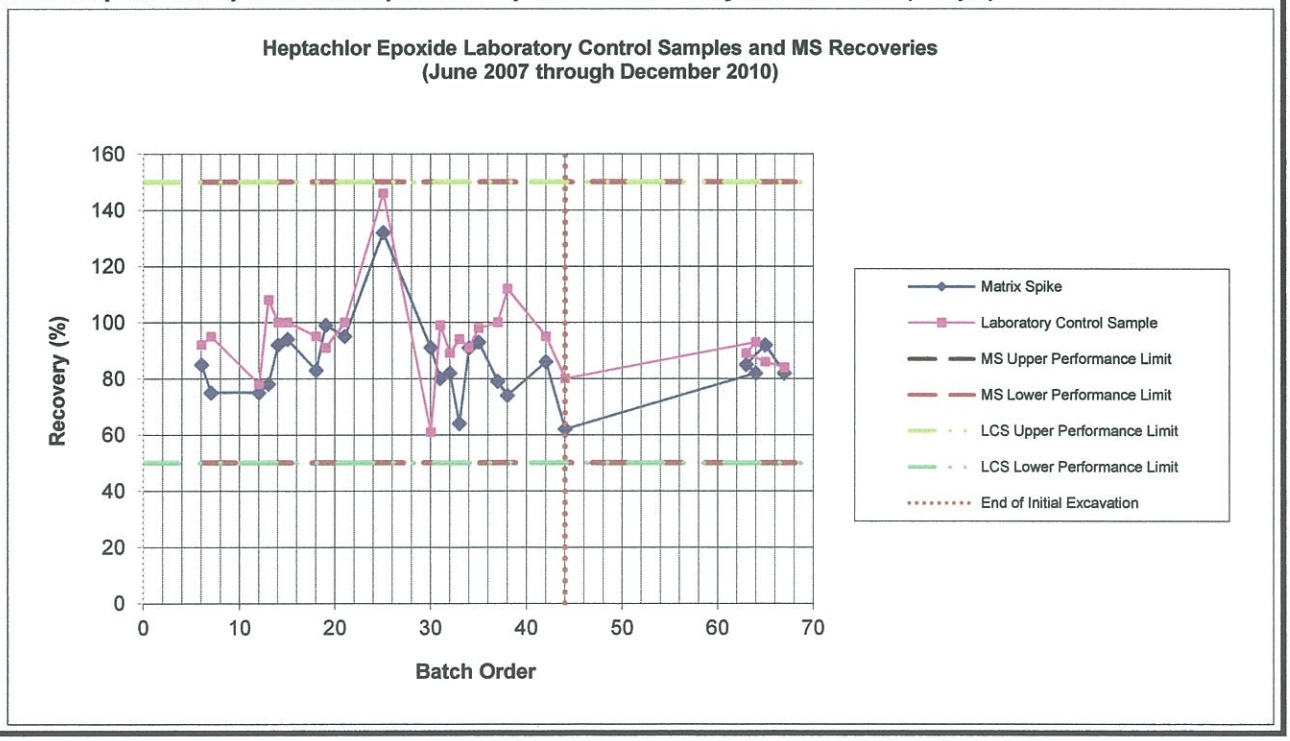


Table Heptachlor-epoxide-6: Heptachlor Epoxide - Laboratory MSD

Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/28/08	3	49894	6
WS-N03-080507MSD	5/29/08	18	50154	7
WS-K05-080509MSD	6/6/08	11	50167	12
WS-K02-080509MSD	6/6/08	5	50341	13
ES-T08-080522MSD	6/7/08	8	50342	14
ES-S07-080521MSD	6/13/08	3	50463	15
ES-V11-080529MSD	6/21/08	5	50664	18
ES-K02-080602MSD	6/26/08	12	50703	19
ES-L06-080605MSD	6/27/08	2	50808	21
ES-N09-080610MSD	6/30/08	2	50839	25
WS-E04-080613MSD	7/13/08	1	51094	30
WS-I02-080618MSD	7/14/08	5	51095	31
WS-D04-080623MSD	7/15/08	1	51096	32
WS-B04-080626MSD	7/15/08	13	51157	33
ES-N09-080610MSD	7/16/08	2	51189	34
ES-C01-080624MSD	7/21/08	5	51155	35
WS-K02-080509MSD	7/28/08	7	51427	37
ES-K07-081112MSD	11/24/08	9	54432	38
DUP 22MSD	12/11/08	0	54815	42
DUP 24MSD	12/30/08	6	55050	44
BOR-825MSD	9/9/10	24	69470	64
ES-Q07-100818MSD	9/9/10	7	69733	63
DUP-51MSD	9/10/10	2	69734	65
ES-SB3-100901MSD	9/20/10	4	70170	67

Average MSD RPD = 6 %
Maximum MSD RPD = 24 %

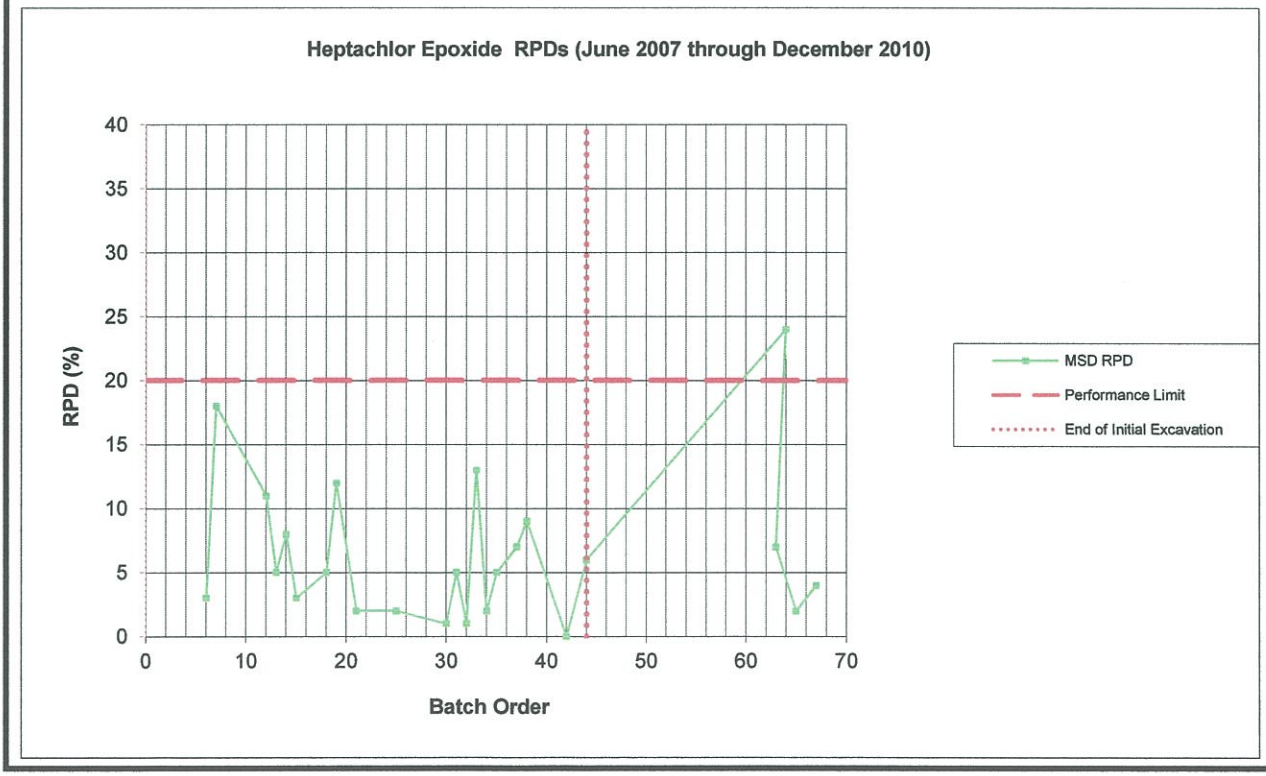


Table Heptachlor-epoxide-7: Method 8081 Surrogate (Decachlorobiphenyl) Recoveries

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

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

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

Table Heptachlor-epoxide-7: Method 8081 Surrogate (Decachlorobiphenyl) Recoveries (Graph)

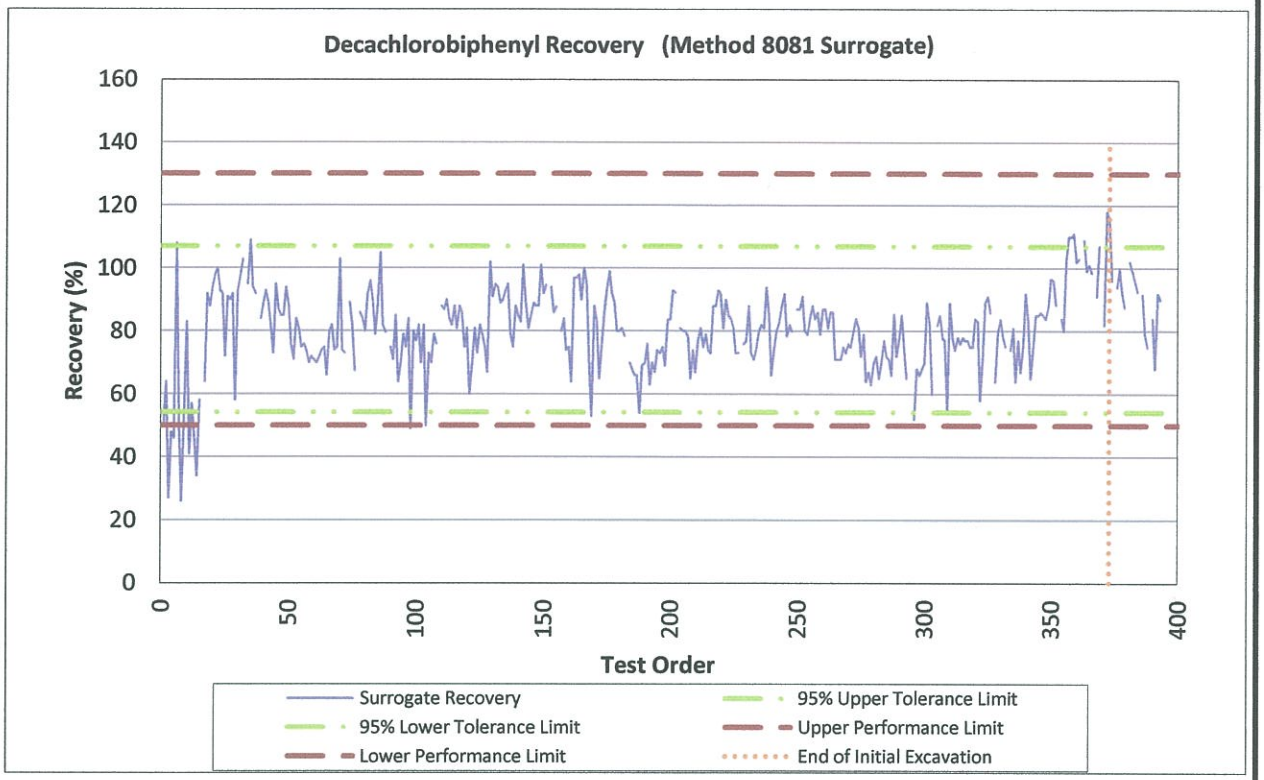


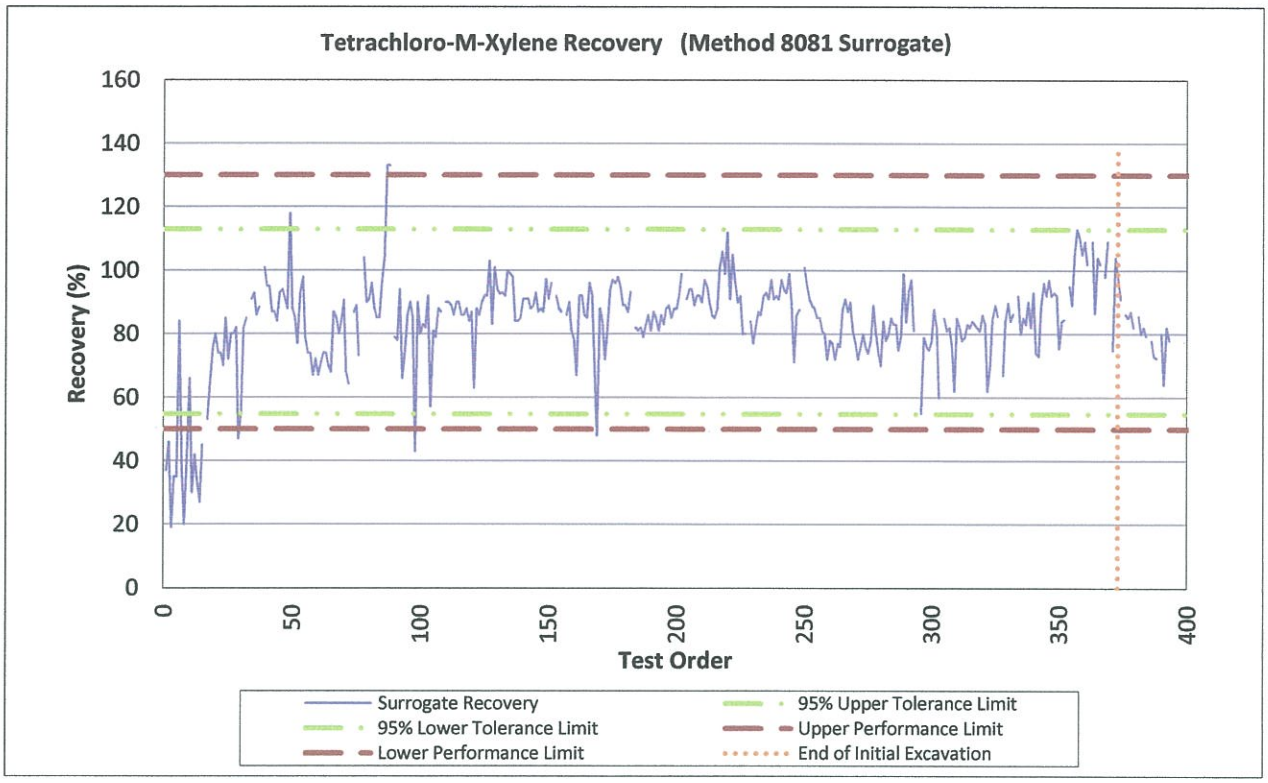
Table Heptachlor-epoxide-8: Method 8081 Surrogate (Tetrachloro-m-xylene) Recoveries

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

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

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

Table Heptachlor-epoxide-8: Method 8081 Surrogate (Tetrachloro-m-xylene) Recoveries (Graph)



HEPTACHLOR EPOXIDE Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	A1	ES-A01-080623	EPOXIDE	0.00093	07/21/08	51155	Y	ES-A01-080623
East Site	B1	ES-B01-080623	EPOXIDE	0.00051	07/21/08	51155	N	ES-B01-080623
East Site	C1	ES-C01-080624	EPOXIDE	0.00260	07/21/08	51155	Y	ES-C01-080624
East Site	D1	ES-D01-080624	EPOXIDE	0.00051	07/21/08	51155	N	ES-D01-080624
East Site	E1	ES-E01-080528	EPOXIDE	0.00100	06/13/08	50463	Y	ES-E01-080528
East Site	E2	ES-E02-080611	EPOXIDE	0.00051	06/30/08	50839	Y	ES-E02-080611
East Site	F1	ES-F01-080529	EPOXIDE	0.00051	06/21/08	50664	N	ES-F01-080529
East Site	F1	ES-F01-080529	EPOXIDE	0.00051	07/14/08	51095	N	DUP-17
East Site	G1	ES-G01-080529	EPOXIDE	0.00051	06/21/08	50664	N	ES-G01-080529
East Site	G2	ES-G02-080605	EPOXIDE	0.00051	06/27/08	50703	N	ES-G02-080605
East Site	H1	ES-H01-080528	EPOXIDE	0.00410	06/13/08	50463	Y	ES-H01-080528
East Site	H2	ES-H02-080515	EPOXIDE	0.00051	06/06/08	50341	N	ES-H02-080515
East Site	H3	ES-H03-080605	EPOXIDE	0.00051	06/26/08	50703	N	ES-H03-080605
East Site	I1	ES-I01-080529	EPOXIDE	0.00051	06/21/08	50664	N	ES-I01-080529
East Site	I2	ES-I02-080514	EPOXIDE	0.00051	06/06/08	50341	N	ES-I02-080514
East Site	I3	ES-I03-080513	EPOXIDE	0.00051	06/06/08	50341	N	ES-I03-080513
East Site	I4	ES-I04-080602	EPOXIDE	0.00051	06/23/08	50664	N	ES-I04-080602
East Site	J1	ES-J01-080529	EPOXIDE	0.00051	06/21/08	50664	N	ES-J01-080529
East Site	J2	ES-J02-080527	EPOXIDE	0.00051	06/07/08	50342	N	ES-J02-080527
East Site	J2	ES-J02-080527	EPOXIDE	0.00051	06/30/08	50839	N	DUP-15
East Site	J3	ES-J03-080513	EPOXIDE	0.00100	06/06/08	50341	Y	ES-J03-080513
East Site	J3	ES-J03-080513	EPOXIDE	0.00051	06/30/08	50703	N	DUP-11
East Site	J4	ES-J04-080530	EPOXIDE	0.00051	06/23/08	50664	N	ES-J04-080530
East Site	J4	ES-J04-080530	EPOXIDE	0.00051	07/15/08	51096	N	DUP-18
East Site	J5	ES-J05-080602	EPOXIDE	0.00051	06/23/08	50664	N	ES-J05-080602
East Site	K1	ES-K01-080602	EPOXIDE	0.00051	06/23/08	50664	N	ES-K01-080602
East Site	K2	ES-K02-080602	EPOXIDE	0.00051	06/26/08	50703	N	ES-K02-080602
East Site	K3	ES-K03-080514	EPOXIDE	0.00051	06/06/08	50341	N	ES-K03-080514
East Site	K4	ES-K04-080527	EPOXIDE	0.00051	06/07/08	50342	N	ES-K04-080527
East Site	K5	ES-K05-080605	EPOXIDE	0.00051	06/27/08	50703	N	ES-K05-080605
East Site	K5	ES-K05-080605	EPOXIDE	0.00050	07/21/08	51155	N	DUP-19
East Site	K7	ES-K07-080611	EPOXIDE	0.00051	06/30/08	50839	N	ES-K07-080611
East Site	K7	ES-K07-081112	EPOXIDE	0.00052	11/24/08	54432	N	ES-K07-081112
East Site	K7	ES-K07-081112	EPOXIDE	0.00050	12/30/08	55050	N	DUP 24
East Site	L1	ES-L01-080625	EPOXIDE	0.00051	07/15/08	51157	N	ES-L01-080625
East Site	L2	ES-L02-080625	EPOXIDE	0.00051	07/15/08	51157	N	ES-L02-080625
East Site	L3	ES-L03-080604	EPOXIDE	0.00051	06/26/08	50703	N	ES-L03-080604
East Site	L4	ES-L04-080604	EPOXIDE	0.00051	06/26/08	50703	N	ES-L04-080604
East Site	L5	ES-L05-080620	EPOXIDE	0.00051	07/15/08	51096	N	ES-L05-080620
East Site	L6	ES-L06-080605	EPOXIDE	0.00051	06/27/08	50808	N	ES-L06-080605
East Site	M1	ES-M01-080527	EPOXIDE	0.00051	06/07/08	50342	N	ES-M01-080527
East Site	M2	ES-M02-080519	EPOXIDE	0.00051	06/13/08	50463	N	ES-M02-080519
East Site	M3	ES-M03-080519	EPOXIDE	0.00310	06/07/08	50341	Y	ES-M03-080519
East Site	M4	ES-M04-080515	EPOXIDE	0.00051	06/06/08	50341	N	ES-M04-080515
East Site	M4	ES-M04-080515	EPOXIDE	0.00051	07/28/08	51427	N	ES-M04-080515
East Site	M5	ES-M05-080527	EPOXIDE	0.00051	06/07/08	50342	N	ES-M05-080527
East Site	M6	ES-M06-080520	EPOXIDE	0.00051	06/13/08	50463	N	ES-M06-080520

HEPTACHLOR EPOXIDE Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	M7	ES-M07-080612	EPOXIDE	0.00051	07/01/08	50839	N	ES-M07-080612
East Site	M8	ES-M08-080610	EPOXIDE	0.00051	06/30/08	50808	N	ES-M08-080610
East Site	M9	ES-M09-080611	EPOXIDE	0.00051	07/16/08	51189	N	ES-M09-080611
East Site	N2	ES-N02-080528	EPOXIDE	0.00051	06/07/08	50342	N	ES-N02-080528
East Site	N3	ES-N03-080520	EPOXIDE	0.00051	06/13/08	50463	N	ES-N03-080520
East Site	N4	ES-N04-080519	EPOXIDE	0.00051	06/06/08	50341	N	ES-N04-080519
East Site	N5	ES-N05-080519	EPOXIDE	0.00051	06/07/08	50341	N	ES-N05-080519
East Site	N6	ES-N06-080527	EPOXIDE	0.00100	06/07/08	50342	Y	ES-N06-080527
East Site	N7	ES-N07-080530	EPOXIDE	0.00051	06/23/08	50664	N	ES-N07-080530
East Site	N7	ES-N07-080530	EPOXIDE	0.00051	07/28/08	51427	N	ES-N07-080530
East Site	N8	ES-N08-080610	EPOXIDE	0.00052	06/27/08	50808	N	ES-N08-080610
East Site	N9	ES-N09-080610	EPOXIDE	0.00052	07/16/08	51189	N	ES-N09-080610
East Site	N10	ES-N10-080610	EPOXIDE	0.00052	06/30/08	50808	N	ES-N10-080610
East Site	O3	ES-O03-080528	EPOXIDE	0.00051	06/07/08	50342	N	ES-O03-080528
East Site	O4	ES-O04-080515	EPOXIDE	0.00051	06/06/08	50341	N	ES-O04-080515
East Site	O5	ES-O05-080520	EPOXIDE	0.00100	06/13/08	50463	Y	ES-O05-080520
East Site	O6	ES-O06-080529	EPOXIDE	0.00100	06/21/08	50664	Y	ES-O06-080529
East Site	O7	ES-O07-080530	EPOXIDE	0.00200	06/23/08	50664	Y	ES-O07-080530
East Site	O8	ES-O08-080530	EPOXIDE	0.00051	06/23/08	50664	N	ES-O08-080530
East Site	O9	ES-O09-080610	EPOXIDE	0.00051	06/30/08	50808	N	ES-O09-080610
East Site	O10	ES-O10-080611	EPOXIDE	0.00051	06/30/08	50839	N	ES-O10-080611
East Site	P4	ES-P04-080528	EPOXIDE	0.00051	06/13/08	50463	N	ES-P04-080528
East Site	P4	ES-P04-080528	EPOXIDE	0.00062	07/14/08	51095	Y	DUP-16
East Site	P5	ES-P05-080513	EPOXIDE	0.00051	06/06/08	50341	N	ES-P05-080513
East Site	P6	ES-P06-080515	EPOXIDE	0.00100	06/06/08	50341	Y	ES-P06-080515
East Site	P6	ES-P06-080515	EPOXIDE	0.00051	06/27/08	50808	N	DUP-12
East Site	P7	ES-P07-080519	EPOXIDE	0.03800	06/06/08	50341	Y	ES-P07-080519
East Site	P7	ES-P07-100818	EPOXIDE	0.00051	09/09/10	69733	N	ES-P07-100818
East Site	P8	ES-P08-080530	EPOXIDE	0.00100	06/23/08	50664	Y	ES-P08-080530
East Site	P10	ES-P10-080606	EPOXIDE	0.00051	06/27/08	50703	N	ES-P10-080606
East Site	P11	ES-P11-080606	EPOXIDE	0.00051	06/27/08	50703	N	ES-P11-080606
East Site	Q5	ES-Q05-080520	EPOXIDE	0.00410	06/13/08	50463	Y	ES-Q05-080520
East Site	Q6	ES-Q06-080520	EPOXIDE	0.00200	06/13/08	50463	Y	ES-Q06-080520
East Site	Q7	ES-Q07-080519	EPOXIDE	0.02400	06/07/08	50341	Y	ES-Q07-080519
East Site	Q7	ES-Q07-100818	EPOXIDE	0.00052	09/09/10	69733	N	ES-Q07-100818
East Site	Q8	ES-Q08-080519	EPOXIDE	0.00720	06/07/08	50341	Y	ES-Q08-080519
East Site	Q9	ES-Q09-080612	EPOXIDE	0.00051	06/30/08	50839	N	ES-Q09-080612
East Site	Q10	ES-Q10-080606	EPOXIDE	0.00051	06/27/08	50703	N	ES-Q10-080606
East Site	Q11	ES-Q11-080606	EPOXIDE	0.00051	06/27/08	50703	N	ES-Q11-080606
East Site	Q17	ES-Q17-080609	EPOXIDE	0.00051	06/30/08	50808	N	ES-Q17-080609
East Site	R5	ES-R05-080521	EPOXIDE	0.00310	06/13/08	50463	Y	ES-R05-080521
East Site	R6	ES-R06-080521	EPOXIDE	0.00051	06/13/08	50463	N	ES-R06-080521
East Site	R7	ES-R07-080521	EPOXIDE	0.00051	06/13/08	50463	N	ES-R07-080521
East Site	R8	ES-R08-080519	EPOXIDE	0.00610	06/13/08	50463	Y	ES-R08-080519
East Site	R9	ES-R09-080520	EPOXIDE	0.00051	06/13/08	50463	N	ES-R09-080520
East Site	R10	ES-R10-080602	EPOXIDE	0.00051	06/23/08	50664	N	ES-R10-080602
East Site	R11	ES-R11-080605	EPOXIDE	0.00051	06/27/08	50703	N	ES-R11-080605

HEPTACHLOR EPOXIDE Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	R12	ES-R12-080611	EPOXIDE	0.00051	06/30/08	50839	N	ES-R12-080611
East Site	R16	ES-R16-080605	EPOXIDE	0.00051	06/27/08	50703	N	ES-R16-080605
East Site	R17	ES-R17-080606	EPOXIDE	0.00051	06/27/08	50703	N	ES-R17-080606
East Site	S5	ES-S05-080521	EPOXIDE	0.00051	06/13/08	50463	N	ES-S05-080521
East Site	S6	ES-S06-080521	EPOXIDE	0.00051	06/13/08	50463	N	ES-S06-080521
East Site	S7	ES-S07-080521	EPOXIDE	0.00051	06/13/08	50463	Y	ES-S07-080521
East Site	S8	ES-S08-080522	EPOXIDE	0.00200	06/07/08	50342	Y	ES-S08-080522
East Site	S9	ES-S09-080522	EPOXIDE	0.00051	06/07/08	50342	N	ES-S09-080522
East Site	S10	ES-S10-080523	EPOXIDE	0.00051	06/07/08	50342	N	ES-S10-080523
East Site	S11	ES-S11-080528	EPOXIDE	0.00051	06/07/08	50342	N	ES-S11-080528
East Site	S12	ES-S12-080609	EPOXIDE	0.00051	06/27/08	50808	N	ES-S12-080609
East Site	S13	ES-S13-080610	EPOXIDE	0.00051	06/27/08	50808	N	ES-S13-080610
East Site	S17	ES-S17-080606	EPOXIDE	0.00051	06/27/08	50703	N	ES-S17-080606
East Site	S18	ES-S18-080606	EPOXIDE	0.00051	06/27/08	50703	N	ES-S18-080606
East Site	T7	ES-T07-080612	EPOXIDE	0.00051	07/16/08	51189	N	ES-T07-080612
East Site	T8	ES-T08-080522	EPOXIDE	0.00100	06/07/08	50342	Y	ES-T08-080522
East Site	T8	ES-T08-080522	EPOXIDE	0.00051	07/01/08	50808	N	DUP-13
East Site	T9	ES-T09-080522	EPOXIDE	0.00100	06/07/08	50342	Y	ES-T09-080522
East Site	T10	ES-T10-080523	EPOXIDE	0.00051	06/07/08	50342	N	ES-T10-080523
East Site	T10	ES-T10-080523	EPOXIDE	0.00051	06/30/08	50839	N	DUP-14
East Site	T11	ES-T11-080530	EPOXIDE	0.00052	06/23/08	50664	N	ES-T11-080530
East Site	T12	ES-T12-080609	EPOXIDE	0.00051	06/27/08	50808	N	ES-T12-080609
East Site	T13	ES-T13-080609	EPOXIDE	0.00051	06/27/08	50808	N	ES-T13-080609
East Site	T14	ES-T14-080610	EPOXIDE	0.00051	06/30/08	50808	N	ES-T14-080610
East Site	U10	ES-U10-080523	EPOXIDE	0.00051	06/07/08	50342	N	ES-U10-080523
East Site	U11	ES-U11-080602	EPOXIDE	0.00051	06/26/08	50703	N	ES-U11-080602
East Site	U13	ES-U13-080610	EPOXIDE	0.00051	06/27/08	50808	N	ES-U13-080610
East Site	U14	ES-U14-080610	EPOXIDE	0.00051	06/30/08	50808	N	ES-U14-080610
East Site	V11	ES-V11-080529	EPOXIDE	0.00200	06/21/08	50664	Y	ES-V11-080529
East Site	V14	ES-V14-080605	EPOXIDE	0.00051	06/26/08	50703	N	ES-V14-080605
East Site	W12	ES-W12-080527	EPOXIDE	0.00051	06/07/08	50342	N	ES-W12-080527
West Site	A4	WS-A04-080626	EPOXIDE	0.00051	07/15/08	51157	N	WS-A04-080626
West Site	B2	WS-B02-080502	EPOXIDE	0.00052	05/29/08	50154	N	WS-B02-080502
West Site	B3	WS-B03-080502	EPOXIDE	0.00051	05/29/08	50154	N	WS-B03-080502
West Site	B4	WS-B04-080626	EPOXIDE	0.00051	07/15/08	51157	N	WS-B04-080626
West Site	B5	WS-B05-080626	EPOXIDE	0.00051	07/15/08	51157	N	WS-B05-080626
West Site	C1	WS-C01-080501	EPOXIDE	0.00200	05/28/08	49894	Y	WS-C01-080501
West Site	C1	WS-C01-080501	EPOXIDE	0.00200	06/06/08	50167	Y	DUP-3
West Site	C2	WS-C02-080428	EPOXIDE	0.00051	05/28/08	49894	N	WS-C02-080428
West Site	C3	WS-C03-080620	EPOXIDE	0.00051	07/15/08	51096	N	WS-C03-080620
West Site	C4	WS-C04-080623	EPOXIDE	0.00051	07/21/08	51155	N	WS-C04-080623
West Site	C5	WS-C05-080620	EPOXIDE	0.00051	07/15/08	51096	N	WS-C05-080620
West Site	C6	WS-C06-080624	EPOXIDE	0.00051	07/21/08	51155	N	WS-C06-080624
West Site	D1	WS-D01-080430	EPOXIDE	0.00051	05/28/08	49894	N	WS-D01-080430
West Site	D2	WS-D02-080429	EPOXIDE	0.00051	05/28/08	49894	N	DUP-2
West Site	D2	WS-D02-080429	EPOXIDE	0.00051	05/28/08	49894	N	WS-D02-080429
West Site	D3	WS-D03-080620	EPOXIDE	0.00051	07/15/08	51096	N	WS-D03-080620

HEPTACHLOR EPOXIDE Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	D3	WS-D03-100803	EPOXIDE	0.00052	09/10/10	69734	N	DUP-51
West Site	D4	WS-D04-080623	EPOXIDE	0.00051	07/14/08	51096	N	WS-D04-080623
West Site	D5	WS-D05-080620	EPOXIDE	0.00051	07/15/08	51096	N	WS-D05-080620
West Site	D6	WS-D06-080619	EPOXIDE	0.00051	07/15/08	51096	N	WS-D06-080619
West Site	D7	WS-D07-080619	EPOXIDE	0.00051	07/15/08	51096	N	WS-D07-080619
West Site	E1	WS-E01-080430	EPOXIDE	0.00100	05/28/08	49894	Y	WS-E01-080430
West Site	E2	WS-E02-080428	EPOXIDE	0.00051	05/28/08	49894	N	DUP-1
West Site	E2	WS-E02-080428	EPOXIDE	0.00100	05/28/08	49894	Y	WS-E02-080428
West Site	E3	WS-E03-080619	EPOXIDE	0.00051	07/15/08	51096	N	WS-E03-080619
West Site	E4	WS-E04-080613	EPOXIDE	0.00051	07/13/08	51094	N	WS-E04-080613
West Site	E5	WS-E05-080613	EPOXIDE	0.00051	06/30/08	50839	N	WS-E05-080613
West Site	E6	WS-E06-080613	EPOXIDE	0.00051	07/21/08	51155	N	WS-E06-080613
West Site	E7	WS-E07-080613	EPOXIDE	0.00051	07/13/08	51094	N	WS-E07-080613
West Site	E8	WS-E08-080616	EPOXIDE	0.00051	07/14/08	51095	N	WS-E08-080616
West Site	F1	WS-F01-080429	EPOXIDE	0.00051	05/28/08	49894	N	WS-F01-080429
West Site	F2	WS-F02-080429	EPOXIDE	0.00051	05/28/08	49894	N	WS-F02-080429
West Site	F3	WS-F03-080619	EPOXIDE	0.00051	07/15/08	51096	N	WS-F03-080619
West Site	F4	WS-F04-080616	EPOXIDE	0.00051	07/13/08	51094	N	WS-F04-080616
West Site	F5	WS-F05-080612	EPOXIDE	0.00051	07/13/08	51094	N	WS-F05-080612
West Site	F6	WS-F06-080612	EPOXIDE	0.00051	07/13/08	51094	N	WS-F06-080612
West Site	F7	WS-F07-080617	EPOXIDE	0.00160	07/14/08	51095	Y	WS-F07-080617
West Site	F8	WS-F08-080618	EPOXIDE	0.00051	07/14/08	51095	N	WS-F08-080618
West Site	G1	WS-G01-080501	EPOXIDE	0.00100	05/28/08	49894	Y	WS-G01-080501
West Site	G1	WS-G01-080501	EPOXIDE	0.00051	06/06/08	50167	N	DUP-4
West Site	G2	WS-G02-080618	EPOXIDE	0.00051	07/15/08	51096	N	WS-G02-080618
West Site	G3	WS-G03-080619	EPOXIDE	0.00051	07/15/08	51096	N	WS-G03-080619
West Site	G4	WS-G04-080616	EPOXIDE	0.00051	07/13/08	51094	N	WS-G04-080616
West Site	G5	WS-G05-080613	EPOXIDE	0.00051	06/30/08	50839	N	WS-G05-080613
West Site	G6	WS-G06-080616	EPOXIDE	0.00051	07/14/08	51095	N	WS-G06-080616
West Site	G7	WS-G07-080617	EPOXIDE	0.00250	07/14/08	51095	Y	WS-G07-080617
West Site	H1	WS-H01-080501	EPOXIDE	0.00051	05/29/08	50154	N	WS-H01-080501
West Site	H2	WS-H02-080618	EPOXIDE	0.00051	07/15/08	51096	N	WS-H02-080618
West Site	H3	WS-H03-080619	EPOXIDE	0.00051	07/15/08	51096	N	WS-H03-080619
West Site	H4	WS-H04-080616	EPOXIDE	0.00051	07/14/08	51095	N	WS-H04-080616
West Site	H5	WS-H05-080613	EPOXIDE	0.00051	07/13/08	51094	N	WS-H05-080613
West Site	H5	WS-H05-081110	EPOXIDE	0.00051	12/11/08	54815	N	DUP 22
West Site	H6	WS-H06-080617	EPOXIDE	0.00170	07/14/08	51095	Y	WS-H06-080617
West Site	I1	WS-I01-080501	EPOXIDE	0.00430	05/29/08	50154	Y	WS-I01-080501
West Site	I1	WS-I01-080501	EPOXIDE	0.00320	06/06/08	50167	Y	DUP-5
West Site	I2	WS-I02-080618	EPOXIDE	0.00051	07/14/08	51095	N	WS-I02-080618
West Site	I3	WS-I03-080618	EPOXIDE	0.00051	07/14/08	51095	N	WS-I03-080618
West Site	I4	WS-I04-080617	EPOXIDE	0.00051	07/14/08	51095	N	WS-I04-080617
West Site	I5	WS-I05-080617	EPOXIDE	0.00051	07/14/08	51095	N	WS-I05-080617
West Site	I6	WS-I06-080617	EPOXIDE	0.00660	07/14/08	51095	Y	WS-I06-080617
West Site	J1	WS-J01-080505	EPOXIDE	0.00210	05/29/08	50154	Y	WS-J01-080505
West Site	J1	WS-J01-080505	EPOXIDE	0.00210	06/13/08	50463	Y	DUP-6
West Site	J2	WS-J02-080624	EPOXIDE	0.00051	07/21/08	51155	N	WS-J02-080624

HEPTACHLOR EPOXIDE Results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	J3	WS-J03-080620	EPOXIDE	0.00150	07/15/08	51096	Y	WS-J03-080620
West Site	J4	WS-J04-080617	EPOXIDE	0.00180	07/14/08	51095	Y	WS-J04-080617
West Site	J5	WS-J05-080618	EPOXIDE	0.00120	07/14/08	51095	Y	WS-J05-080618
West Site	K1	WS-K01-080505	EPOXIDE	0.00210	05/29/08	50154	Y	WS-K01-080505
West Site	K2	WS-K02-080509	EPOXIDE	0.00510	06/06/08	50341	Y	WS-K02-080509
West Site	K2	WS-K02-080509	EPOXIDE	0.00092	07/28/08	51427	Y	WS-K02-080509
West Site	K3	WS-K03-080509	EPOXIDE	0.00410	06/06/08	50341	Y	WS-K03-080509
West Site	K4	WS-K04-080513	EPOXIDE	0.00200	06/06/08	50341	Y	WS-K04-080513
West Site	K4	WS-K04-080513	EPOXIDE	0.00050	06/23/08	50664	N	DUP-10
West Site	K5	WS-K05-080509	EPOXIDE	0.00310	06/06/08	50167	Y	WS-K05-080509
West Site	L1	WS-L01-080505	EPOXIDE	0.00100	05/29/08	50154	Y	WS-L01-080505
West Site	L2	WS-L02-080508	EPOXIDE	0.00100	05/29/08	50154	Y	WS-L02-080508
West Site	L3	WS-L03-080508	EPOXIDE	0.00610	05/29/08	50154	Y	WS-L03-080508
West Site	L4	WS-L04-080508	EPOXIDE	0.00051	05/29/08	50154	N	WS-L04-080508
West Site	L4	WS-L04-080508	EPOXIDE	0.00051	06/13/08	50463	N	DUP-9
West Site	M1	WS-M01-080505	EPOXIDE	0.00052	05/29/08	50154	N	WS-M01-080505
West Site	M1	WS-M01-080505	HEPTACHLOR E	0.00210	06/06/08	50167	Y	DUP-7
West Site	M2	WS-M02-080507	HEPTACHLOR E	0.00310	05/29/08	50154	Y	WS-M02-080507
West Site	M3	WS-M03-080507	HEPTACHLOR E	0.00720	05/29/08	50154	Y	WS-M03-080507
West Site	M3	WS-M03-080507	HEPTACHLOR E	0.00720	06/07/08	50342	Y	DUP-8
West Site	M4	WS-M04-080507	HEPTACHLOR E	0.01100	05/29/08	50154	Y	WS-M04-080507
West Site	N1	WS-N01-080506	HEPTACHLOR E	0.00210	05/29/08	50154	Y	WS-N01-080506
West Site	N2	WS-N02-080506	HEPTACHLOR E	0.00310	05/29/08	50154	Y	WS-N02-080506
West Site	N3	WS-N03-080507	HEPTACHLOR E	0.00610	05/29/08	50154	Y	WS-N03-080507
West Site	O1	WS-O01-080506	HEPTACHLOR E	0.00051	05/29/08	50154	N	WS-O01-080506
West Site	O2	WS-O02-080506	HEPTACHLOR E	0.00620	05/29/08	50154	Y	WS-O02-080506

Table Benzo(a)anthracene-1: Benzo(a)anthracene Data Quality Summary

Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	59%	
Minimum Matrix Spike Recovery	greater than 35%	64%	
Minimum Surrogate Recovery	greater than 50%	18%	Terphenyl-D14
Average LCS Recovery	N/A	82%	
Average Matrix Spike Recovery	N/A	79%	
Average Surrogate Recovery	N/A	78%	Terphenyl-D14
Maximum MSD RPD	less than 35%	31%	
Average MSD RPD	N/A	9%	

Measurement Quality Objectives	Criteria	Measured	
NPS CRM	Recovery greater than 0.508	Minimum Recovery =	0.770 mg/kg
EQIS CRM	Recovery greater than 0.340	Minimum Recovery =	0.430 mg/kg
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	156 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	31 %

Overall QC Indicator Measurements	Criteria	Measured	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	90.3 %
NPS Replicate Test (Precision measure)	None		

Data Quality Relative to Remediation Goals		
Tier 1 Remediation Goal	0.55	mg/kg
Tier 2 Remediation Goal	None	
QC Derived Reliance Level	0.48	mg/kg See Note 1

Comments: Surrogate recoveries and LCS recovery are generally low, indicating a bias favoring low measurements. Intermittently very low values occur, with the lowest recorded recovery being 18%. Low minimum and low average matrix spike recoveries (64% and 80% respectively) also indicate a bias towards low measurements. Maximum CRM split analyses RPD (62%) and a maximum CVS split analysis RPD (156%) indicate precision problems. Recovery of the NPS CRM (90%) indicates a slight bias towards low concentrations, however, the data set is relatively small. The derived reliance level (0.48 mg/kg) is less than the RG (0.55 mg/kg), due primarily to measurement imprecision. Evaluation of individual data points reveals that the less reliable benzo(a)anthracene CVS results were superseded because they pertain to grids that underwent subsequent excavation and CVS that produced acceptable results. Thus, it is concluded that all benzo(a)anthracene CVS results that are necessary for the RG achievement decision in each grid were below the derived reliance level. For these grids, confidence that the benzo(a)anthracene RG was achieved is not compromised and it is concluded that the benzo(a)anthracene CVS measurements that are necessary to the evaluation of RG achievement are of acceptable quality and may be used to determine RG achievement.

Note 1: The standard deviation of NPS CRM split analyses (0.142 mg/kg) is used to represent measurement imprecision near the RG and is used with an estimate of bias from NPS CRMs (average recovery = 90.3%) to calculate the derived reliance level (0.48 mg/kg). Derived reliance level is calculated as:
(Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.55)(1.2)(0.903)-(0.84)(0.142) =0.48 mg/kg

Table Benzo(a)anthracene-2: Benzo(a)anthracene NPS CRMs				
Blind NPS CRM Results				
Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 70	0.98	6/2/08	50169	Y
BO 50,55,58,72	0.77	6/23/08	50534	Y
BOR 102-96-99-105	0.77	7/9/08	51046	Y
BOR 103,97,100,106	0.94	7/21/08	51148	Y
BOR 104	1.1	7/21/08	51148	Y

CRMs		Vendor Supplied Information
Mean	0.912	*Made to*
Median	0.940	*1.010 mg/kg*
Standard Deviation	0.142	
Sample Variance	0.020	*Upper Acceptance Limit*
Kurtosis	-1.659	*1.100 mg/kg*
Skewness	0.181	
Range	0.330	*Lower Acceptance Limit*
Minimum	0.770	*0.510 mg/kg*
Maximum	1.100	
Sum	4.560	
Count	5.000	
Largest(2)	0.980	
Smallest(2)	0.770	

Table Benzo(a)anthracene-3: Benzo(a)anthracene NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 501	0.021	6/4/08	50262	WS-L04-080508	0.022	6/5/2008	5
BOR 500	0.039	6/11/08	50403	WS-F01-080429	0.045	5/15/2008	14
BOR 505	0.057	6/23/08	50534	WS-K03-080509	0.057	6/2/2008	0
BOR 504	0.004	6/26/08	50781	ES-M05-080527	0.004	6/4/2008	
BOR 506	0.004	6/26/08	50781	ES-S10-080523	0.0041	6/4/2008	
BOR 502	0.24	7/21/08	51148	WS-F05-080612	0.1	7/9/2008	82
BOR 507	0.004	7/21/08	51148	ES-O09-080610	0.0041	6/28/2008	
BOR 508	0.004	7/21/08	51148	ES-Q11-080606	0.0041	6/20/2008	
BOR 509	0.004	7/21/08	51148	WS-E06-080613	0.0041	7/17/2008	
BOR 510	0.004	7/21/08	51148	OU-8HR-080605	0.0041	6/20/2008	
DUP-1	0.026	5/15/08	49841	WS-E02-080428	0.0041	5/15/2008	146
DUP-2	0.0041	5/15/08	49841	WS-D02-080429	0.0041	5/15/2008	
DUP-3	0.023	5/30/08	50159	WS-C01-080501	0.0041	5/15/2008	139
DUP-4	0.019	5/30/08	50159	WS-G01-080501	0.036	5/15/2008	62
DUP-5	0.041	5/30/08	50159	WS-I01-080501	0.044	5/29/2008	7
DUP-7	0.049	5/30/08	50159	WS-M01-080505	0.044	5/29/2008	11
DUP-8	1.4	6/5/08	50262	WS-M03-080507	0.92	5/29/2008	41
DUP-6	0.14	6/5/08	50282	WS-J01-080505	0.12	5/29/2008	15
DUP-9	0.022	6/5/08	50282	WS-L04-080508	0.022	6/5/2008	0
DUP-11	0.023	6/20/08	50635	ES-J03-080513	0.03	6/2/2008	26
DUP-10	0.004	6/23/08	50534	WS-K04-080513	0.023	6/2/2008	141
DUP-15	0.0041	6/26/08	50781	ES-J02-080527	0.0041	6/4/2008	
DUP-12	0.0041	6/28/08	50807	ES-P06-080515	0.0041	6/2/2008	
DUP-13	0.0041	6/28/08	50807	ES-T08-080522	0.0041	6/4/2008	
DUP-14	0.043	7/9/08	51046	ES-T10-080523	0.038	6/4/2008	12
DUP-16	0.0041	7/18/08	51147	ES-P04-080528	0.0041	6/5/2008	
DUP-18	0.0041	7/21/08	51148	ES-J04-080530	0.0041	6/23/2008	
DUP-19	0.026	7/21/08	51148	ES-K05-080605	0.024	6/20/2008	8
DUP-17	0.033	7/25/08	51406	ES-F01-080529	0.0041	6/23/2008	156
DUP-44	0.003	1/8/10	64060	WS-M04-091218	0.003	1/5/2010	0

[ ] Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	48.110
Median	14.835
Standard Deviation	57.857
Sample Variance	3347.407
Kurtosis	-0.616
Skewness	1.039
Range	155.795
Minimum	0.000
Maximum	155.795
Sum	865.978
Count	18.000
Largest(2)	145.515
Smallest(2)	0.000

Table Benzo(a)anthracene-4: Benzo(a)anthracene EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	0.83	5/20/08	49912	Y		
ES-Z05-080519	0.84	5/30/08	50159	Y	0.835	1
ES-Z06-080520	0.84	5/30/08	50159	Y		
ES-Z07-080522	0.81	5/30/08	50159	Y	0.825	4
ES-Z08-080527	0.77	6/5/08	50262	Y		
ES-Z09-080529	0.77	6/5/08	50282	Y	0.770	0
ES-Z11-080605	0.73	6/20/08	50635	Y		
ES-Z10-080602	0.72	6/23/08	50534	Y	0.725	1
ES-Z14-080611 A	0.71	6/26/08	50781	Y		
ES-Z14-080611 B	0.7	6/26/08	50781	Y	0.705	1
WS-Z15-080613 A	0.73	6/26/08	50781	Y		
WS-Z15-080613 B	0.74	6/26/08	50781	Y	0.735	1
ES-Z12-080606-A	0.7	6/28/08	50807	Y		
ES-Z12-080606-B	0.65	6/28/08	50807	Y	0.675	7
ES-Z13-080610 A	0.6	6/28/08	50807	Y		
ES-Z13-080610 B	0.57	6/28/08	50807	Y	0.585	5
ES-Z11-080605 B	0.66	7/9/08	51044	Y		
WS-Z16-080617-A	0.62	7/9/08	51044	Y	0.640	6
WS-Z16-080617-B	0.65	7/9/08	51044	Y		
WS-Z18-080620 A	0.69	7/9/08	51046	Y	0.670	6
WS-Z18-080620 B	0.65	7/9/08	51046	Y		
ES-Z05-080519 B	0.89	7/17/08	50786	Y	0.770	31
ES-Z06-080520 B	0.85	7/17/08	50786	Y		
ES-Z08-080527 B	0.91	7/17/08	50786	Y	0.880	7
ES-Z09-080529 B	0.9	7/17/08	50786	Y		
ES-Z10-080602 B	0.88	7/17/08	50786	Y	0.890	2
WS-Z01-080430 B	0.88	7/17/08	50786	Y		
WS-Z17-080618 A	0.91	7/18/08	51147	Y	0.895	3
ES-Z19-080624 A	0.66	7/21/08	51148	Y		
ES-Z19-080624 B	0.67	7/21/08	51148	Y	0.665	2
ES-Z07-080522 B	0.97	7/25/08	51406	Y		
WS-Z17-080618 B	0.96	7/25/08	51406	Y	0.965	1
WS-Z29-091217A	0.45	1/5/10	64004	Y		
WS-Z29-091217B	0.43	1/5/10	64004	Y	0.440	5

Analysis of EQIS CRMs	
Mean	0.745
Median	0.730
Standard Deviation	0.133
Sample Variance	0.018
Kurtosis	-0.086
Skewness	-0.364
Range	0.540
Minimum	0.430
Maximum	0.970
Sum	25.340
Count	34.000
Largest(2)	0.960
Smallest(2)	0.450

RPD of EQIS CRMs	
Mean	4.966
Median	3.352
Standard Deviation	7.139
Sample Variance	50.959
Kurtosis	12.939
Skewness	3.422
Range	31.169
Minimum	0.000
Maximum	31.169
Sum	84.420
Count	17.000
Largest(2)	7.407
Smallest(2)	1.036

Table Benzo(a)anthracene-5: Benzo(a)anthracene Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
86	49841	2	96	49841	2
69	49912	3	84	49912	3
78	50159	4	83	50159	4
68	50169	5	85	50169	5
87	50262	6	86	50262	6
78	50282	7	82	50282	7
71	50403	8	78	50403	8
83	50635	9	81	50635	9
91	50534	10	80	50534	10
74	50781	11	84	50781	11
68	50807	12	66	50807	12
64	51044	13	74	51044	13
69	51046	14	69	51046	14
96	51151	16	94	50786	15
96	51147	17	94	51151	16
89	51148	18	90	51147	17
84	51406	19	94	51148	18
82	56623	25	95	51406	19
72	64004	26	86	56160	20
90	64060	27	59	56175	21
71	70158	28	80	56192	22
			77	56245	23
			84	56337	24
			79	56623	25
			86	64004	26
			90	64060	27
			71	70158	28

Average MS Recovery =	79	%	Average LCS Recovery =	82	%
Minimum MS Recovery =	64	%	Minimum LCS Recovery =	59	%

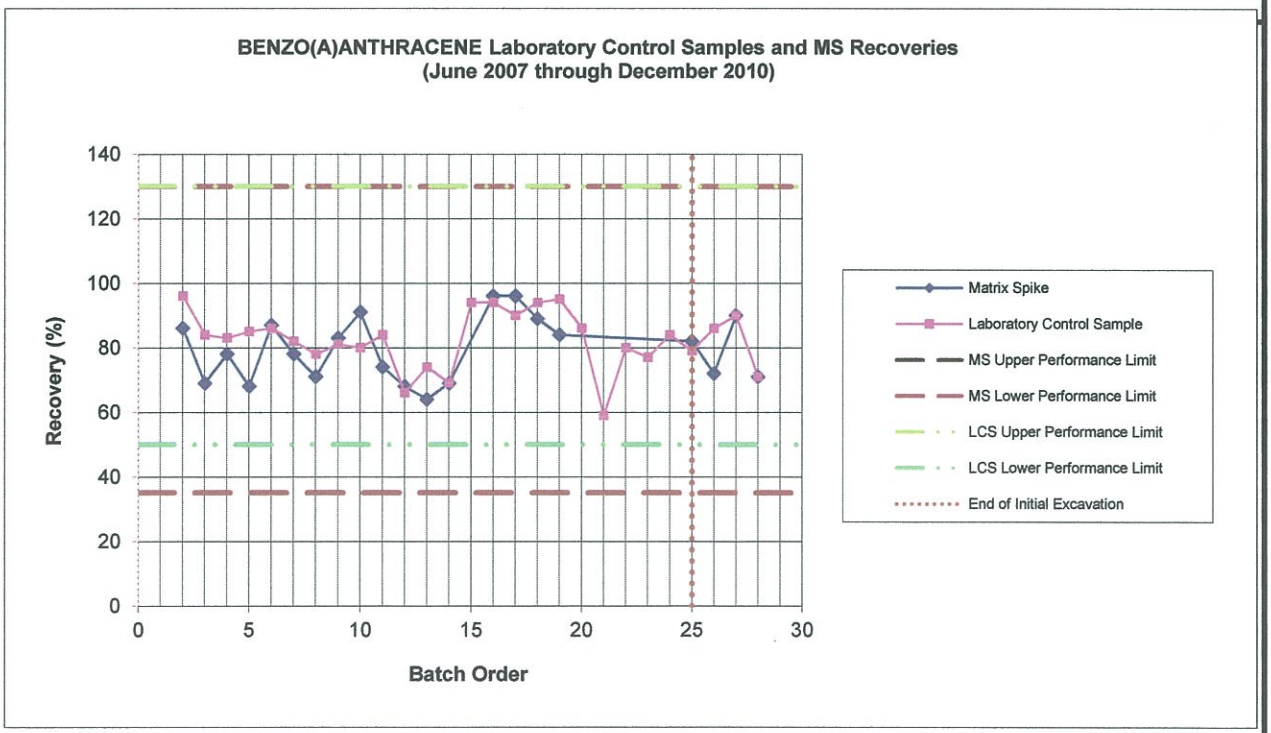


Table Benzo(a)anthracene-6: Benzo(a)anthracene - Laboratory MSD				
Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/15/08	31	49841	2
WS-N03-080507MSD	5/23/08	3	49912	3
WS-K05-080509MSD	5/30/08	6	50159	4
WS-K02-080509MSD	6/2/08	22	50169	5
BOR 52, 54, 57, 71MSD	6/4/08	13	50262	6
ES-S07-080521MSD	6/5/08	5	50282	7
BOR 500MSD	6/11/08	3	50403	8
ES-K02-080602MSD	6/20/08	5	50635	9
ES-V11-080529MSD	6/23/08	23	50534	10
ES-N09-080610MSD	6/26/08	4	50781	11
ES-L06-080605MSD	6/28/08	1	50807	12
WS-E04-080613MSD	7/9/08	6	51044	13
WS-C05-080620MSD	7/9/08	8	51046	14
WS-D04-080623MSD	7/17/08	5	51151	16
WS-I02-080618MSD	7/18/08	8	51147	17
ES-C01-080624MSD	7/21/08	1	51148	18
WS-K04-080513MSD	7/25/08	5	51406	19
ES-J03-090323MSD	4/3/09	6	56623	25
WS-M04-091218MSD	1/5/10	15	64004	26
DUP-44MSD	1/8/10	1	64060	27
ES-SB3-100901MSD	9/17/10	11	70158	28

Average MSD RPD = 9 %
Maximum MSD RPD = 31 %

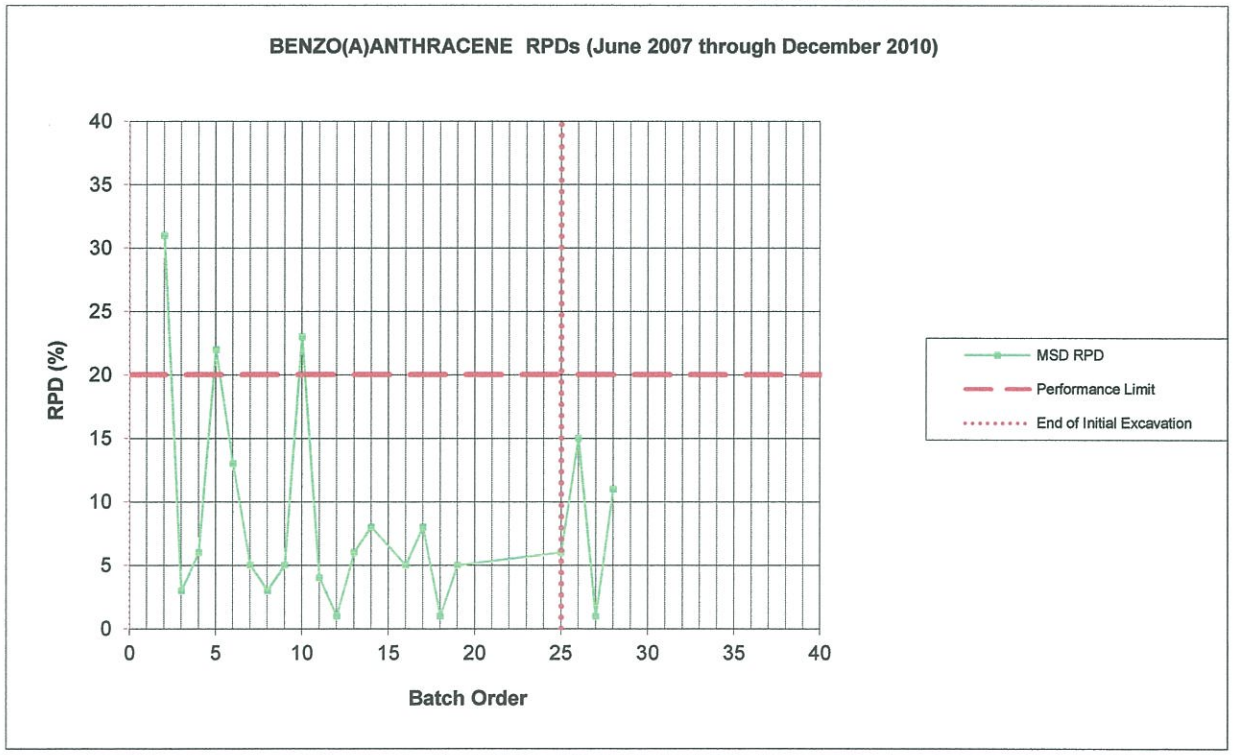


Table Benzo(a)anthracene-7: Method 8282 Surrogate (Terphenyl-D14) Recoveries

Sample	Recovery	Date	Batch	Order
WS-K04-080513	44	39601	50169	76
ES-R06-080521	43	39604	50282	113
ES-Q05-080520	51	39604	50282	124
ES-P07-080519	40	39610	50403	135
ES-Q10-D0	36	39882	56175	360
ES-P10-B1	52	39883	56192	373
ES-P10-C1	47	39883	56192	379
ES-R09-A1	18	39884	56245	389
ES-T09-B1	18	39889	56337	407
ES-N06-C0	48	39889	56337	416

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

For all Surrogate Measurements	
Mean Recovery	78
Median	77
Mode	73
Standard Deviation	13
Minimum	18

Table Benzo(a)anthracene-7: Method 8282 Surrogate (Terphenyl-D14) Recoveries (Graph)

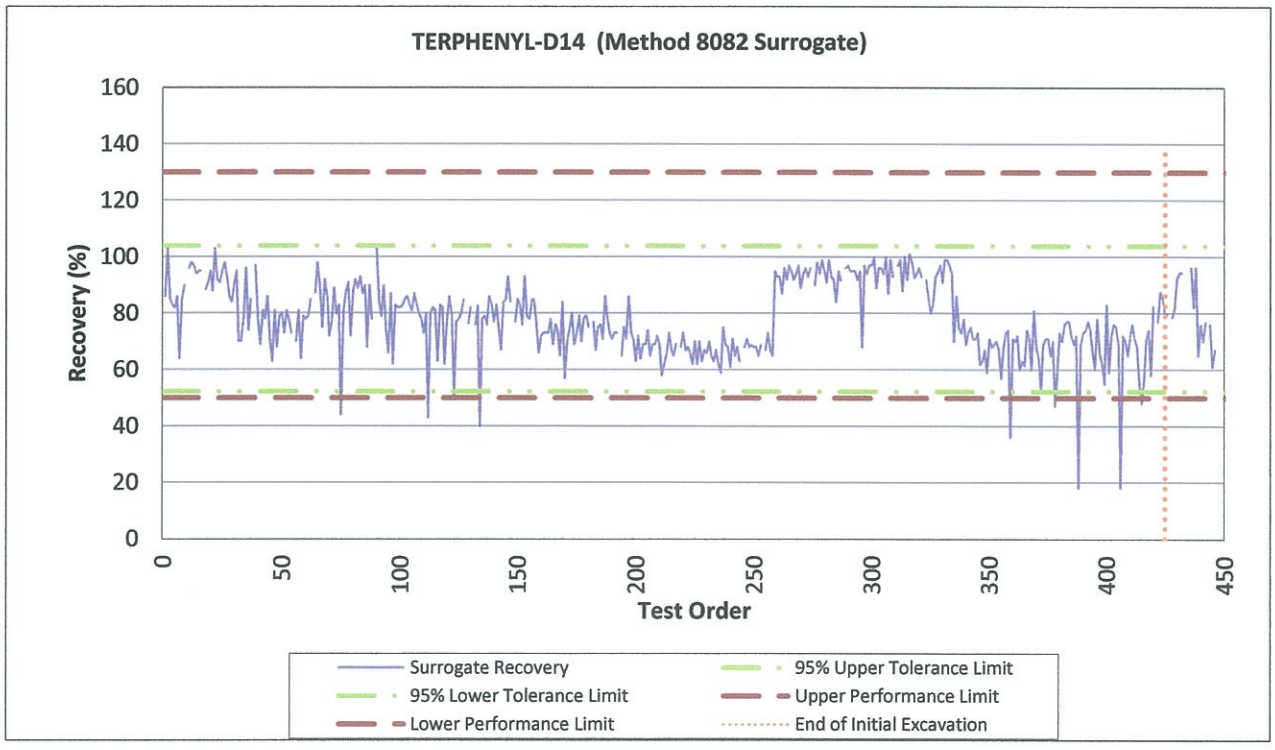


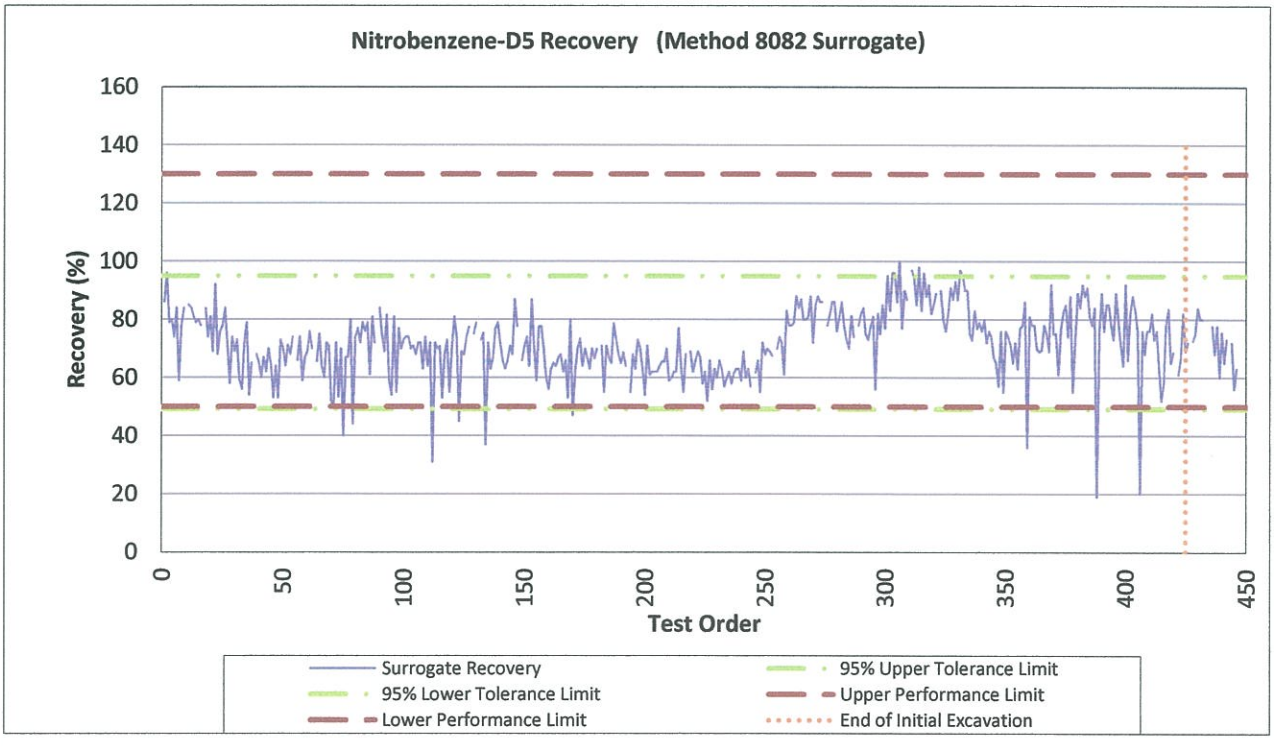
Table Benzo(a)anthracene-8: Method 8282 Surrogate (Nitrobenzene-D5) Recoveries

Sample	Recovery	Date	Batch	Order
ES-R09-A1	19	39884	56245	11
ES-T09-B1	20	39889	56337	18
ES-R06-080521	31	39604	50282	39
ES-Q10-D0	36	39882	56175	56
ES-P07-080519	37	39610	50403	64
WS-K04-080513	40	39601	50169	90
ES-N04-080519	44	39601	50169	129
ES-Q05-080520	45	39604	50282	132
ES-T11-080530	47	39622	50534	149
WS-J02-080624	95	39650	51148	182
ES-E02-080611	95	39654	51406	194
A7E080000081B	96	39212	7128081	219
ES-C01-080624	96	39650	51148	246
WS-C04-080623	96	39650	51148	255
ES-A01-080623	96	39650	51148	276
BOR 508	97	39650	51148	289
ES-Z07-080522 B	97	39654	51406	311
DUP-18	98	39650	51148	323
577697	100	39650	51148	422

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

For all Surrogate Measurements	
Mean Recovery	72
Median	72
Mode	70
Standard Deviation	11
Minimum	19

Table Benzo(a)anthracene-8: Method 8282 Surrogate (Nitrobenzene-D5) Recoveries (Graph)



BENZO(A)ANTRHACENE results from the 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	A1	ES-A01-080623	BENZO(A)ANTHRACENE	0.0480	07/21/08	51148	Y	ES-A01-080623
East Site	B1	ES-B01-080623	BENZO(A)ANTHRACENE	0.2000	07/21/08	51148	Y	ES-B01-080623
East Site	C1	ES-C01-080624	BENZO(A)ANTHRACENE	0.0041	07/21/08	51148	N	ES-C01-080624
East Site	D1	ES-D01-080624	BENZO(A)ANTHRACENE	0.0041	07/21/08	51148	N	ES-D01-080624
East Site	E1	ES-E01-080528	BENZO(A)ANTHRACENE	0.0220	06/05/08	50282	Y	ES-E01-080528
East Site	E2	ES-E02-080611	BENZO(A)ANTHRACENE	0.0480	07/25/08	51406	Y	ES-E02-080611
East Site	F1	ES-F01-080529	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-F01-080529
East Site	F1	ES-F01-080529	BENZO(A)ANTHRACENE	0.0330	07/25/08	51406	Y	DUP-17
East Site	G1	ES-G01-080529	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-G01-080529
East Site	G2	ES-G02-080605	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-G02-080605
East Site	H1	ES-H01-080528	BENZO(A)ANTHRACENE	0.0150	06/05/08	50282	Y	ES-H01-080528
East Site	H2	ES-H02-080515	BENZO(A)ANTHRACENE	0.0350	06/02/08	50169	Y	ES-H02-080515
East Site	H3	ES-H03-080605	BENZO(A)ANTHRACENE	0.0310	06/20/08	50635	Y	ES-H03-080605
East Site	I1	ES-I01-080529	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-I01-080529
East Site	I2	ES-I02-080514	BENZO(A)ANTHRACENE	0.0041	06/02/08	50169	N	ES-I02-080514
East Site	I3	ES-I03-080513	BENZO(A)ANTHRACENE	0.0041	06/02/08	50169	N	ES-I03-080513
East Site	I4	ES-I04-080602	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-I04-080602
East Site	J1	ES-J01-080529	BENZO(A)ANTHRACENE	0.0320	06/23/08	50534	Y	ES-J01-080529
East Site	J2	ES-J02-080527	BENZO(A)ANTHRACENE	0.0041	06/04/08	50262	N	ES-J02-080527
East Site	J2	ES-J02-080527	BENZO(A)ANTHRACENE	0.0041	06/26/08	50781	N	DUP-15
East Site	J3	ES-J03-080513	BENZO(A)ANTHRACENE	0.0300	06/02/08	50169	Y	ES-J03-080513
East Site	J3	ES-J03-080513	BENZO(A)ANTHRACENE	0.0230	06/20/08	50635	Y	DUP-11
East Site	J3	ES-J03-090323	BENZO(A)ANTHRACENE	0.0320	04/03/09	56623	Y	ES-J03-090323
East Site	J4	ES-J04-080530	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-J04-080530
East Site	J4	ES-J04-080530	BENZO(A)ANTHRACENE	0.0041	07/21/08	51148	N	DUP-18
East Site	J5	ES-J05-080602	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-J05-080602
East Site	K1	ES-K01-080602	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-K01-080602
East Site	K2	ES-K02-080602	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-K02-080602
East Site	K3	ES-K03-080514	BENZO(A)ANTHRACENE	0.0570	06/02/08	50169	Y	ES-K03-080514
East Site	K4	ES-K04-080527	BENZO(A)ANTHRACENE	0.0041	06/04/08	50262	N	ES-K04-080527
East Site	K5	ES-K05-080605	BENZO(A)ANTHRACENE	0.0240	06/20/08	50635	Y	ES-K05-080605
East Site	K5	ES-K05-080605	BENZO(A)ANTHRACENE	0.0260	07/21/08	51148	Y	DUP-19
East Site	K7	ES-K07-080611	BENZO(A)ANTHRACENE	0.3100	06/26/08	50781	Y	ES-K07-080611
East Site	L1	ES-L01-080625	BENZO(A)ANTHRACENE	0.0180	07/17/08	51151	Y	ES-L01-080625
East Site	L2	ES-L02-080625	BENZO(A)ANTHRACENE	0.0041	07/17/08	51151	N	ES-L02-080625
East Site	L3	ES-L03-080604	BENZO(A)ANTHRACENE	0.1100	06/20/08	50635	Y	ES-L03-080604
East Site	L4	ES-L04-080604	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-L04-080604
East Site	L5	ES-L05-080620	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	ES-L05-080620
East Site	L6	ES-L06-080605	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	ES-L06-080605
East Site	M1	ES-M01-080527	BENZO(A)ANTHRACENE	0.0041	06/04/08	50262	N	ES-M01-080527
East Site	M2	ES-M02-080519	BENZO(A)ANTHRACENE	0.0041	06/05/08	50282	N	ES-M02-080519
East Site	M3	ES-M03-080519	BENZO(A)ANTHRACENE	0.0240	06/03/08	50169	Y	ES-M03-080519
East Site	M4	ES-M04-080515	BENZO(A)ANTHRACENE	0.0041	06/02/08	50169	N	ES-M04-080515
East Site	M5	ES-M05-080527	BENZO(A)ANTHRACENE	0.0040	06/04/08	50262	N	ES-M05-080527

BENZO(A)ANTRHACENE results from the 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	M6	ES-M06-080520	BENZO(A)ANTHRACENE	0.0130	06/05/08	50282	Y	ES-M06-080520
East Site	M7	ES-M07-080612	BENZO(A)ANTHRACENE	0.0041	07/09/08	51046	N	ES-M07-080612
East Site	M8	ES-M08-080610	BENZO(A)ANTHRACENE	0.2200	06/28/08	50807	Y	ES-M08-080610
East Site	M9	ES-M09-080611	BENZO(A)ANTHRACENE	0.0041	06/26/08	50781	N	ES-M09-080611
East Site	N2	ES-N02-080528	BENZO(A)ANTHRACENE	0.0041	06/05/08	50262	N	ES-N02-080528
East Site	N3	ES-N03-080520	BENZO(A)ANTHRACENE	0.0041	06/05/08	50282	N	ES-N03-080520
East Site	N4	ES-N04-080519	BENZO(A)ANTHRACENE	0.0041	06/02/08	50169	N	ES-N04-080519
East Site	N4	ES-N04-080519	BENZO(A)ANTHRACENE	0.0041	07/25/08	51406	N	ES-N04-080519
East Site	N5	ES-N05-080519	BENZO(A)ANTHRACENE	0.0041	06/02/08	50169	N	ES-N05-080519
East Site	N6	ES-N06-080527	BENZO(A)ANTHRACENE	0.0041	06/04/08	50262	N	ES-N06-080527
East Site	N7	ES-N07-080530	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-N07-080530
East Site	N8	ES-N08-080610	BENZO(A)ANTHRACENE	0.0330	06/28/08	50807	Y	ES-N08-080610
East Site	N9	ES-N09-080610	BENZO(A)ANTHRACENE	0.0041	06/26/08	50781	N	ES-N09-080610
East Site	N10	ES-N10-080610	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	ES-N10-080610
East Site	O3	ES-O03-080528	BENZO(A)ANTHRACENE	0.0041	06/05/08	50262	N	ES-O03-080528
East Site	O4	ES-O04-080515	BENZO(A)ANTHRACENE	0.0041	06/02/08	50169	N	ES-O04-080515
East Site	O5	ES-O05-080520	BENZO(A)ANTHRACENE	0.0370	06/05/08	50282	Y	ES-O05-080520
East Site	O6	ES-O06-080529	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-O06-080529
East Site	O7	ES-O07-080530	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-O07-080530
East Site	O8	ES-O08-080530	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-O08-080530
East Site	O9	ES-O09-080610	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	ES-O09-080610
East Site	O10	ES-O10-080611	BENZO(A)ANTHRACENE	0.0390	06/26/08	50781	Y	ES-O10-080611
East Site	P4	ES-P04-080528	BENZO(A)ANTHRACENE	0.0041	06/05/08	50282	N	ES-P04-080528
East Site	P4	ES-P04-080528	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	DUP-16
East Site	P5	ES-P05-080513	BENZO(A)ANTHRACENE	0.0041	06/02/08	50169	N	ES-P05-080513
East Site	P6	ES-P06-080515	BENZO(A)ANTHRACENE	0.0041	06/02/08	50169	N	ES-P06-080515
East Site	P6	ES-P06-080515	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	DUP-12
East Site	P7	ES-P07-080519	BENZO(A)ANTHRACENE	0.0041	06/11/08	50403	N	ES-P07-080519
East Site	P7	ES-P07-080519	BENZO(A)ANTHRACENE	0.0041	07/25/08	51406	N	ES-P07-080519
East Site	P8	ES-P08-080530	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-P08-080530
East Site	P10	ES-P10-080606	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-P10-080606
East Site	P11	ES-P11-080606	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-P11-080606
East Site	Q5	ES-Q05-080520	BENZO(A)ANTHRACENE	0.0041	06/05/08	50282	N	ES-Q05-080520
East Site	Q5	ES-Q05-080520	BENZO(A)ANTHRACENE	0.0340	07/25/08	51406	Y	ES-Q05-080520
East Site	Q6	ES-Q06-080520	BENZO(A)ANTHRACENE	0.0340	06/05/08	50282	Y	ES-Q06-080520
East Site	Q7	ES-Q07-080519	BENZO(A)ANTHRACENE	0.0041	06/03/08	50169	N	ES-Q07-080519
East Site	Q8	ES-Q08-080519	BENZO(A)ANTHRACENE	0.1000	06/03/08	50169	Y	ES-Q08-080519
East Site	Q9	ES-Q09-080612	BENZO(A)ANTHRACENE	0.0041	06/26/08	50781	N	ES-Q09-080612
East Site	Q10	ES-Q10-080606	BENZO(A)ANTHRACENE	0.1400	06/20/08	50635	Y	ES-Q10-080606
East Site	Q11	ES-Q11-080606	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-Q11-080606
East Site	Q17	ES-Q17-080609	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	ES-Q17-080609
East Site	R5	ES-R05-080521	BENZO(A)ANTHRACENE	0.0370	06/05/08	50282	Y	ES-R05-080521
East Site	R6	ES-R06-080521	BENZO(A)ANTHRACENE	0.0041	06/05/08	50282	N	ES-R06-080521
East Site	R6	ES-R06-080521	BENZO(A)ANTHRACENE	0.0041	07/25/08	51406	N	ES-R06-080521

BENZO(A)ANTRHACENE results from the 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	R7	ES-R07-080521	BENZO(A)ANTHRACENE	0.0041	06/05/08	50282	N	ES-R07-080521
East Site	R8	ES-R08-080519	BENZO(A)ANTHRACENE	0.0300	06/05/08	50282	Y	ES-R08-080519
East Site	R9	ES-R09-080520	BENZO(A)ANTHRACENE	0.0180	06/11/08	50403	Y	ES-R09-080520
East Site	R10	ES-R10-080602	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-R10-080602
East Site	R11	ES-R11-080605	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-R11-080605
East Site	R12	ES-R12-080611	BENZO(A)ANTHRACENE	0.0041	06/26/08	50781	N	ES-R12-080611
East Site	R16	ES-R16-080605	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-R16-080605
East Site	R17	ES-R17-080606	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-R17-080606
East Site	S5	ES-S05-080521	BENZO(A)ANTHRACENE	0.0480	06/05/08	50282	Y	ES-S05-080521
East Site	S6	ES-S06-080521	BENZO(A)ANTHRACENE	0.0190	06/05/08	50282	Y	ES-S06-080521
East Site	S7	ES-S07-080521	BENZO(A)ANTHRACENE	0.0041	06/05/08	50282	N	ES-S07-080521
East Site	S8	ES-S08-080522	BENZO(A)ANTHRACENE	0.0390	06/04/08	50262	Y	ES-S08-080522
East Site	S9	ES-S09-080522	BENZO(A)ANTHRACENE	0.0041	06/04/08	50262	N	ES-S09-080522
East Site	S10	ES-S10-080523	BENZO(A)ANTHRACENE	0.0041	06/04/08	50262	N	ES-S10-080523
East Site	S11	ES-S11-080528	BENZO(A)ANTHRACENE	0.0041	06/05/08	50262	N	ES-S11-080528
East Site	S12	ES-S12-080609	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	ES-S12-080609
East Site	S13	ES-S13-080610	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	ES-S13-080610
East Site	S17	ES-S17-080606	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-S17-080606
East Site	S18	ES-S18-080606	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-S18-080606
East Site	T7	ES-T07-080612	BENZO(A)ANTHRACENE	0.0041	06/26/08	50781	N	ES-T07-080612
East Site	T8	ES-T08-080522	BENZO(A)ANTHRACENE	0.0041	06/04/08	50262	N	ES-T08-080522
East Site	T8	ES-T08-080522	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	DUP-13
East Site	T9	ES-T09-080522	BENZO(A)ANTHRACENE	0.0200	06/04/08	50262	Y	ES-T09-080522
East Site	T10	ES-T10-080523	BENZO(A)ANTHRACENE	0.0380	06/04/08	50262	Y	ES-T10-080523
East Site	T10	ES-T10-080523	BENZO(A)ANTHRACENE	0.0430	07/09/08	51046	Y	DUP-14
East Site	T11	ES-T11-080530	BENZO(A)ANTHRACENE	0.0041	06/23/08	50534	N	ES-T11-080530
East Site	T11	ES-T11-080530	BENZO(A)ANTHRACENE	0.0041	07/25/08	51406	N	ES-T11-080530
East Site	T12	ES-T12-080609	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	ES-T12-080609
East Site	T13	ES-T13-080609	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	ES-T13-080609
East Site	T14	ES-T14-080610	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	ES-T14-080610
East Site	U10	ES-U10-080523	BENZO(A)ANTHRACENE	0.0150	06/04/08	50262	Y	ES-U10-080523
East Site	U11	ES-U11-080602	BENZO(A)ANTHRACENE	0.0041	06/20/08	50635	N	ES-U11-080602
East Site	U13	ES-U13-080610	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	ES-U13-080610
East Site	U14	ES-U14-080610	BENZO(A)ANTHRACENE	0.0041	06/28/08	50807	N	ES-U14-080610
East Site	V11	ES-V11-080529	BENZO(A)ANTHRACENE	0.2400	06/23/08	50534	Y	ES-V11-080529
East Site	V14	ES-V14-080605	BENZO(A)ANTHRACENE	0.0250	06/20/08	50635	Y	ES-V14-080605
East Site	W12	ES-W12-080527	BENZO(A)ANTHRACENE	0.0650	06/04/08	50262	Y	ES-W12-080527
West Site	A4	WS-A04-080626	BENZO(A)ANTHRACENE	0.0180	07/17/08	51151	Y	WS-A04-080626
West Site	B2	WS-B02-080502	BENZO(A)ANTHRACENE	0.0041	05/29/08	49912	N	WS-B02-080502
West Site	B3	WS-B03-080502	BENZO(A)ANTHRACENE	0.0750	05/20/08	49912	Y	WS-B03-080502
West Site	B4	WS-B04-080626	BENZO(A)ANTHRACENE	0.0041	07/17/08	51151	N	WS-B04-080626
West Site	B5	WS-B05-080626	BENZO(A)ANTHRACENE	0.0041	07/17/08	51151	N	WS-B05-080626
West Site	C1	WS-C01-080501	BENZO(A)ANTHRACENE	0.0041	05/15/08	49841	N	WS-C01-080501
West Site	C1	WS-C01-080501	BENZO(A)ANTHRACENE	0.0230	05/30/08	50159	Y	DUP-3

BENZO(A)ANTRHACENE results from the 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	C2	WS-C02-080428	BENZO(A)ANTHRACENE	0.0041	05/15/08	49841	N	WS-C02-080428
West Site	C3	WS-C03-080620	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-C03-080620
West Site	C4	WS-C04-080623	BENZO(A)ANTHRACENE	0.0041	07/21/08	51148	N	WS-C04-080623
West Site	C5	WS-C05-080620	BENZO(A)ANTHRACENE	0.0041	07/09/08	51046	N	WS-C05-080620
West Site	C6	WS-C06-080624	BENZO(A)ANTHRACENE	0.0041	07/21/08	51148	N	WS-C06-080624
West Site	D1	WS-D01-080430	BENZO(A)ANTHRACENE	0.0040	05/15/08	49841	N	WS-D01-080430
West Site	D2	WS-D02-080429	BENZO(A)ANTHRACENE	0.0041	05/15/08	49841	N	WS-D02-080429
West Site	D2	WS-D02-080429	BENZO(A)ANTHRACENE	0.0041	05/15/08	49841	N	DUP-2
West Site	D3	WS-D03-080620	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-D03-080620
West Site	D4	WS-D04-080623	BENZO(A)ANTHRACENE	0.1900	07/17/08	51151	Y	WS-D04-080623
West Site	D5	WS-D05-080620	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-D05-080620
West Site	D6	WS-D06-080619	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-D06-080619
West Site	D7	WS-D07-080619	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-D07-080619
West Site	E1	WS-E01-080430	BENZO(A)ANTHRACENE	0.0240	05/15/08	49841	Y	WS-E01-080430
West Site	E2	WS-E02-080428	BENZO(A)ANTHRACENE	0.0260	05/15/08	49841	Y	DUP-1
West Site	E2	WS-E02-080428	BENZO(A)ANTHRACENE	0.0041	05/15/08	49841	N	WS-E02-080428
West Site	E3	WS-E03-080619	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-E03-080619
West Site	E4	WS-E04-080613	BENZO(A)ANTHRACENE	0.0041	07/09/08	51044	N	WS-E04-080613
West Site	E5	WS-E05-080613	BENZO(A)ANTHRACENE	0.0041	06/26/08	50781	N	WS-E05-080613
West Site	E6	WS-E06-080613	BENZO(A)ANTHRACENE	0.0041	07/17/08	51151	N	WS-E06-080613
West Site	E7	WS-E07-080613	BENZO(A)ANTHRACENE	0.0041	07/09/08	51044	N	WS-E07-080613
West Site	E8	WS-E08-080616	BENZO(A)ANTHRACENE	0.0420	07/09/08	51044	Y	WS-E08-080616
West Site	F1	WS-F01-080429	BENZO(A)ANTHRACENE	0.0450	05/15/08	49841	Y	WS-F01-080429
West Site	F2	WS-F02-080429	BENZO(A)ANTHRACENE	0.0310	05/15/08	49841	Y	WS-F02-080429
West Site	F3	WS-F03-080619	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-F03-080619
West Site	F4	WS-F04-080616	BENZO(A)ANTHRACENE	0.0041	07/09/08	51044	N	WS-F04-080616
West Site	F5	WS-F05-080612	BENZO(A)ANTHRACENE	0.1000	07/09/08	51044	Y	WS-F05-080612
West Site	F6	WS-F06-080612	BENZO(A)ANTHRACENE	0.0041	07/09/08	51044	N	WS-F06-080612
West Site	F7	WS-F07-080617	BENZO(A)ANTHRACENE	0.0041	07/09/08	51044	N	WS-F07-080617
West Site	F8	WS-F08-080618	BENZO(A)ANTHRACENE	0.0500	07/18/08	51147	Y	WS-F08-080618
West Site	G1	WS-G01-080501	BENZO(A)ANTHRACENE	0.0360	05/15/08	49841	Y	WS-G01-080501
West Site	G1	WS-G01-080501	BENZO(A)ANTHRACENE	0.0190	05/30/08	50159	Y	DUP-4
West Site	G2	WS-G02-080618	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-G02-080618
West Site	G3	WS-G03-080619	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-G03-080619
West Site	G4	WS-G04-080616	BENZO(A)ANTHRACENE	0.0041	07/09/08	51044	N	WS-G04-080616
West Site	G5	WS-G05-080613	BENZO(A)ANTHRACENE	0.0590	06/26/08	50781	Y	WS-G05-080613
West Site	G6	WS-G06-080616	BENZO(A)ANTHRACENE	0.0041	07/09/08	51044	N	WS-G06-080616
West Site	G7	WS-G07-080617	BENZO(A)ANTHRACENE	0.1000	07/09/08	51044	Y	WS-G07-080617
West Site	H1	WS-H01-080501	BENZO(A)ANTHRACENE	0.0410	05/20/08	49912	Y	WS-H01-080501
West Site	H2	WS-H02-080618	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-H02-080618
West Site	H3	WS-H03-080619	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-H03-080619
West Site	H4	WS-H04-080616	BENZO(A)ANTHRACENE	0.0041	07/09/08	51044	N	WS-H04-080616
West Site	H5	WS-H05-080613	BENZO(A)ANTHRACENE	0.0230	07/09/08	51044	Y	WS-H05-080613

BENZO(A)ANTRHACENE results from the 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	H6	WS-H06-080617	BENZO(A)ANTHRACENE	0.0200	07/09/08	51044	Y	WS-H06-080617
West Site	I1	WS-I01-080501	BENZO(A)ANTHRACENE	0.0440	05/29/08	49912	Y	WS-I01-080501
West Site	I1	WS-I01-080501	BENZO(A)ANTHRACENE	0.0410	05/30/08	50159	Y	DUP-5
West Site	I2	WS-I02-080618	BENZO(A)ANTHRACENE	0.0041	07/18/08	51147	N	WS-I02-080618
West Site	I3	WS-I03-080618	BENZO(A)ANTHRACENE	0.0040	07/18/08	51147	N	WS-I03-080618
West Site	I4	WS-I04-080617	BENZO(A)ANTHRACENE	0.0041	07/09/08	51044	N	WS-I04-080617
West Site	I5	WS-I05-080617	BENZO(A)ANTHRACENE	0.0460	07/09/08	51044	Y	WS-I05-080617
West Site	I6	WS-I06-080617	BENZO(A)ANTHRACENE	0.0630	07/09/08	51044	Y	WS-I06-080617
West Site	J1	WS-J01-080505	BENZO(A)ANTHRACENE	0.1200	05/29/08	49912	Y	WS-J01-080505
West Site	J1	WS-J01-080505	BENZO(A)ANTHRACENE	0.1400	06/05/08	50282	Y	DUP-6
West Site	J2	WS-J02-080624	BENZO(A)ANTHRACENE	0.0041	07/21/08	51148	N	WS-J02-080624
West Site	J3	WS-J03-080620	BENZO(A)ANTHRACENE	0.0460	07/09/08	51046	Y	WS-J03-080620
West Site	J4	WS-J04-080617	BENZO(A)ANTHRACENE	0.0430	07/09/08	51044	Y	WS-J04-080617
West Site	J5	WS-J05-080618	BENZO(A)ANTHRACENE	0.1100	07/18/08	51147	Y	WS-J05-080618
West Site	K1	WS-K01-080505	BENZO(A)ANTHRACENE	0.0620	05/28/08	49912	Y	WS-K01-080505
West Site	K2	WS-K02-080509	BENZO(A)ANTHRACENE	0.0400	06/02/08	50169	Y	WS-K02-080509
West Site	K3	WS-K03-080509	BENZO(A)ANTHRACENE	0.0570	06/02/08	50169	Y	WS-K03-080509
West Site	K4	WS-K04-080513	BENZO(A)ANTHRACENE	0.0230	06/02/08	50169	Y	WS-K04-080513
West Site	K4	WS-K04-080513	BENZO(A)ANTHRACENE	0.0040	06/23/08	50534	N	DUP-10
West Site	K4	WS-K04-080513	BENZO(A)ANTHRACENE	0.0370	07/25/08	51406	Y	WS-K04-080513
West Site	K5	WS-K05-080509	BENZO(A)ANTHRACENE	0.0340	05/30/08	50159	Y	WS-K05-080509
West Site	L1	WS-L01-080505	BENZO(A)ANTHRACENE	0.0410	05/28/08	49912	Y	WS-L01-080505
West Site	L2	WS-L02-080508	BENZO(A)ANTHRACENE	0.0290	05/20/08	49912	Y	WS-L02-080508
West Site	L3	WS-L03-080508	BENZO(A)ANTHRACENE	0.0500	05/20/08	49912	Y	WS-L03-080508
West Site	L4	WS-L04-080508	BENZO(A)ANTHRACENE	0.0041	05/20/08	49912	N	WS-L04-080508
West Site	L4	WS-L04-080508	BENZO(A)ANTHRACENE	0.0220	06/05/08	50282	Y	DUP-9
West Site	M1	WS-M01-080505	BENZO(A)ANTHRACENE	0.0440	05/29/08	49912	Y	WS-M01-080505
West Site	M1	WS-M01-080505	BENZO(A)ANTHRACENE	0.0490	05/30/08	50159	Y	DUP-7
West Site	M2	WS-M02-080507	BENZO(A)ANTHRACENE	0.0600	05/29/08	49912	Y	WS-M02-080507
West Site	M3	WS-M03-080507	BENZO(A)ANTHRACENE	0.9200	05/29/08	49912	Y	WS-M03-080507
West Site	M3	WS-M03-080507	BENZO(A)ANTHRACENE	1.4000	06/05/08	50262	Y	DUP-8
West Site	M3	WS-M03-091217	BENZO(A)ANTHRACENE	0.0030	01/05/10	64004	N	WS-M03-091217
West Site	M4	WS-M04-080507	BENZO(A)ANTHRACENE	2.9000	06/04/08	49912	Y	WS-M04-080507
West Site	M4	WS-M04-091218	BENZO(A)ANTHRACENE	0.0030	01/05/10	64004	N	WS-M04-091218
West Site	M4	WS-M04-091218	BENZO(A)ANTHRACENE	0.0030	01/08/10	64060	N	DUP-44
West Site	N1	WS-N01-080506	BENZO(A)ANTHRACENE	0.0460	05/29/08	49912	Y	WS-N01-080506
West Site	N2	WS-N02-080506	BENZO(A)ANTHRACENE	0.0410	05/20/08	49912	Y	WS-N02-080506
West Site	N3	WS-N03-080507	BENZO(A)ANTHRACENE	0.1200	05/20/08	49912	Y	WS-N03-080507
West Site	O1	WS-O01-080506	BENZO(A)ANTHRACENE	0.0350	05/28/08	49912	Y	WS-O01-080506
West Site	O2	WS-O02-080506	BENZO(A)ANTHRACENE	0.0740	05/29/08	49912	Y	WS-O02-080506

Table Benzo(a)pyrene-1: Benzo(a)pyrene Data Quality Summary

Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	70%	
Minimum Matrix Spike Recovery	greater than 30%	63%	
Minimum Surrogate Recovery	greater than 50%	18%	Terphenyl-D14
Average LCS Recovery	N/A	85%	
Average Matrix Spike Recovery	N/A	80%	
Average Surrogate Recovery	N/A	78%	Terphenyl-D14
Maximum MSD RPD	less than 35%	26%	
Average MSD RPD	N/A	7%	
Measurement Quality Objectives	**Criteria**	**Measured**	
NPS CRM	Recovery greater than 0.379	Minimum Recovery =	0.570 mg/kg
EQIS CRM	None provided		
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	146 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	67 %
Overall QC Indicator Measurements	**Criteria**	**Measured**	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	73.2 %
NPS Replicate Test (Precision measure)	None		
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal	0.55 mg/kg		
Tier 2 Remediation Goal	None		
QC Derived Reliance Level	0.43 mg/kg See Note 1		

Comments: Surrogate recoveries and LCS recovery are generally low, indicating a bias favoring low measurements. Intermittently very low values occur, with the lowest recorded recovery being 18%. Low minimum and low average matrix spike recoveries (63% and 80% respectively) indicate a bias towards low measurements. Maximum CRM split analyses RPD (67%) and a maximum CVS split analysis RPD (146%) indicate imprecision. Recovery of the NPS CRM (73.2%) indicates a bias towards low concentrations, however, the data set is relatively small. The derived reliance level (0.43 mg/kg) is less than the RG (0.55 mg/kg) due primarily to measurement imprecision. Evaluation of individual data points reveals that the less reliable benzo(a)pyrene CVS results were superseded because they pertain to grids that underwent subsequent excavation and CVS that produced acceptable results. Thus, it is concluded that all benzo(a)pyrene CVS results that are necessary for the RG achievement decision in each grid were below the derived reliance level. For these grids, confidence that the benzo(a)pyrene RG was achieved is not compromised. It is concluded, therefore, that benzo(a)pyrene CVS measurements that are necessary to the evaluation of RG achievement are of acceptable quality and may be used to determine RG achievement.

Note 1: The standard deviation of EQIS CRM split analyses (0.064 mg/kg) is used to represent measurement imprecision near the RG and is used with an estimate of bias from NPS CRMs (average recovery = 73.2%) to calculate the derived reliance level (0.43 mg/kg). Derived reliance level is calculated as:
(Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.55)(1.2)(.732)-(0.84)(0.064) =0.43

Table Benzo(a)pyrene-2: Benzo(a)pyrene - NPS CRMs

Blind NPS CRM Results

Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 70	0.57	6/2/08	50169	Y
BO 50,55,58,72	0.73	6/23/08	50534	Y
BOR 102-96-99-105	0.74	7/9/08	51046	Y
BOR 103,97,100,106	0.8	7/21/08	51148	Y
BOR 104	0.82	7/21/08	51148	Y

CRMs		Vendor Supplied Information
Mean	0.732	*Made to*
Median	0.740	*1.000 mg/kg*
Standard Deviation	0.098	
Sample Variance	0.010	*Upper Acceptance Limit*
Kurtosis	2.295	*0.990 mg/kg*
Skewness	-1.426	
Range	0.250	*Lower Acceptance Limit*
Minimum	0.570	*0.379 mg/kg*
Maximum	0.820	
Sum	3.660	
Count	5.000	
Largest(2)	0.800	
Smallest(2)	0.730	

Table Benzo(a)pyrene-3: Benzo(a)pyrene NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 501	0.0067	6/4/08	50262	WS-L04-080508	0.0068	5/20/2008	
BOR 500	0.0370	6/11/08	50403	WS-F01-080429	0.0610	5/15/2008	49
BOR 505	0.0650	6/23/08	50534	WS-K03-080509	0.0660	6/2/2008	2
BOR 504	0.0067	6/26/08	50781	ES-M05-080527	0.0067	6/4/2008	
BOR 506	0.0067	6/26/08	50781	ES-S10-080523	0.0068	6/4/2008	
BOR 502	0.2400	7/21/08	51148	WS-F05-080612	0.1100	7/9/2008	74
BOR 507	0.0067	7/21/08	51148	ES-O09-080610	0.0068	6/28/2008	
BOR 508	0.0067	7/21/08	51148	ES-Q11-080606	0.0068	6/20/2008	
BOR 509	0.0067	7/21/08	51148	WS-E06-080613	0.0068	7/17/2008	
BOR 510	0.0067	7/21/08	51148	OU-8HR-080605	0.0068	6/20/2008	
DUP-1	0.0380	5/15/08	49841	WS-E02-080428	0.0068	5/15/2008	139
DUP-2	0.0068	5/15/08	49841	WS-D02-080429	0.0068	5/15/2008	
DUP-3	0.0270	5/30/08	50159	WS-C01-080501	0.0450	5/15/2008	50
DUP-4	0.0180	5/30/08	50159	WS-G01-080501	0.0510	5/15/2008	96
DUP-5	0.0350	5/30/08	50159	WS-I01-080501	0.0470	5/29/2008	29
DUP-7	0.0069	5/30/08	50159	WS-M01-080505	0.0440	5/29/2008	146
DUP-8	1.3000	6/5/08	50262	WS-M03-080507	0.9000	5/29/2008	36
DUP-6	0.1300	6/5/08	50282	WS-J01-080505	0.1200	5/29/2008	8
DUP-9	0.0200	6/5/08	50282	WS-L04-080508	0.0068	5/20/2008	99
DUP-11	0.0190	6/20/08	50635	ES-J03-080513	0.0068	6/2/2008	95
DUP-10	0.0180	6/23/08	50534	WS-K04-080513	0.0190	6/2/2008	5
DUP-15	0.0068	6/26/08	50781	ES-J02-080527	0.0068	6/4/2008	
DUP-12	0.0068	6/28/08	50807	ES-P06-080515	0.0068	6/2/2008	
DUP-13	0.0068	6/28/08	50807	ES-T08-080522	0.0068	6/4/2008	
DUP-14	0.0410	7/9/08	51046	ES-T10-080523	0.0370	6/4/2008	10
DUP-16	0.0068	7/18/08	51147	ES-P04-080528	0.0068	6/5/2008	
DUP-18	0.0068	7/21/08	51148	ES-J04-080530	0.0068	6/23/2008	
DUP-19	0.0220	7/21/08	51148	ES-K05-080605	0.0150	6/20/2008	38
DUP-17	0.0068	7/25/08	51406	ES-F01-080529	0.0068	6/23/2008	
DUP-44	0.0050	1/8/10	64060	WS-M04-091218	0.0050	1/5/2010	0

[ ] Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	54.732
Median	43.409
Standard Deviation	48.130
Sample Variance	2479.404
Kurtosis	-0.716
Skewness	0.635
Range	145.776
Minimum	0.000
Maximum	145.776
Sum	875.719
Count	16.000
Largest(2)	139.286
Smallest(2)	1.527

Table Benzo(a)pyrene-4: Benzo(a)pyrene EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	0.36	5/20/08	49912	Y		
ES-Z05-080519	0.34	5/30/08	50159	Y	0.35	6
ES-Z06-080520	0.27	5/30/08	50159	Y		
ES-Z07-080522	0.32	5/30/08	50159	Y	0.30	17
ES-Z08-080527	0.3	6/5/08	50262	Y		
ES-Z09-080529	0.28	6/5/08	50282	Y	0.29	7
ES-Z11-080605	0.26	6/20/08	50635	Y		
ES-Z10-080602	0.23	6/23/08	50534	Y	0.25	12
ES-Z14-080611 A	0.24	6/26/08	50781	Y		
ES-Z14-080611 B	0.24	6/26/08	50781	Y	0.24	0
WS-Z15-080613 A	0.24	6/26/08	50781	Y		
WS-Z15-080613 B	0.26	6/26/08	50781	Y	0.25	8
ES-Z12-080606-A	0.23	6/28/08	50807	Y		
ES-Z12-080606-B	0.23	6/28/08	50807	Y	0.23	0
ES-Z13-080610 A	0.2	6/28/08	50807	Y		
ES-Z13-080610 B	0.19	6/28/08	50807	Y	0.20	5
ES-Z11-080605 B	0.23	7/9/08	51044	Y		
WS-Z16-080617-A	0.22	7/9/08	51044	Y	0.23	4
WS-Z16-080617-B	0.24	7/9/08	51044	Y		
WS-Z18-080620 A	0.23	7/9/08	51046	Y	0.24	4
WS-Z18-080620 B	0.22	7/9/08	51046	Y		
ES-Z05-080519 B	0.19	7/17/08	50786	Y	0.21	15
ES-Z06-080520 B	0.11	7/17/08	50786	Y		
ES-Z08-080527 B	0.22	7/17/08	50786	Y	0.17	67
ES-Z09-080529 B	0.22	7/17/08	50786	Y		
ES-Z10-080602 B	0.23	7/17/08	50786	Y	0.23	4
WS-Z01-080430 B	0.22	7/17/08	50786	Y		
WS-Z17-080618 A	0.28	7/18/08	51147	Y	0.25	24
ES-Z19-080624 A	0.19	7/21/08	51148	Y		
ES-Z19-080624 B	0.2	7/21/08	51148	Y	0.20	5
ES-Z07-080522 B	0.22	7/25/08	51406	Y		
WS-Z17-080618 B	0.24	7/25/08	51406	Y	0.23	9
WS-Z29-091217A	0.052	1/5/10	64004	Y		
WS-Z29-091217B	0.051	1/5/10	64004	Y	0.05	2

Analysis of EQIS CRMs	
Mean	0.228
Median	0.230
Standard Deviation	0.064
Sample Variance	0.004
Kurtosis	2.526
Skewness	-0.921
Range	0.309
Minimum	0.051
Maximum	0.360
Sum	7.753
Count	34.000
Largest(2)	0.340
Smallest(2)	0.052

RPD of EQIS CRMs	
Mean	11.126
Median	5.714
Standard Deviation	15.615
Sample Variance	243.825
Kurtosis	11.037
Skewness	3.136
Range	66.667
Minimum	0.000
Maximum	66.667
Sum	189.144
Count	17.000
Largest(2)	24.000
Smallest(2)	0.000

Table Benzo(a)pyrene-5: Benzo(a)pyrene Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
80	49841	2	93	49841	2
67	49912	3	82	49912	3
76	50159	4	80	50159	4
63	50169	5	84	50169	5
86	50262	6	86	50262	6
78	50282	7	81	50282	7
77	50403	8	86	50403	8
83	50635	9	85	50635	9
89	50534	10	85	50635	9
78	50781	11	82	50534	10
71	50807	12	82	50534	10
69	51044	13	91	50781	11
77	51046	14	72	50807	12
95	51151	16	72	50807	12
95	51147	17	82	51044	13
88	51148	18	78	51046	14
79	51406	19	95	50786	15
82	56623	25	95	51151	16
71	64004	26	91	51147	17
89	64060	27	95	51148	18
89	64060	27	98	51406	19
71	70158	28	78	56623	25
			86	64004	26
			89	64060	27
			89	64060	27
			70	70158	28

Average MS Recovery =	80	%	Average LCS Recovery =	85	%
Minimum MS Recovery =	63	%	Minimum LCS Recovery =	70	%

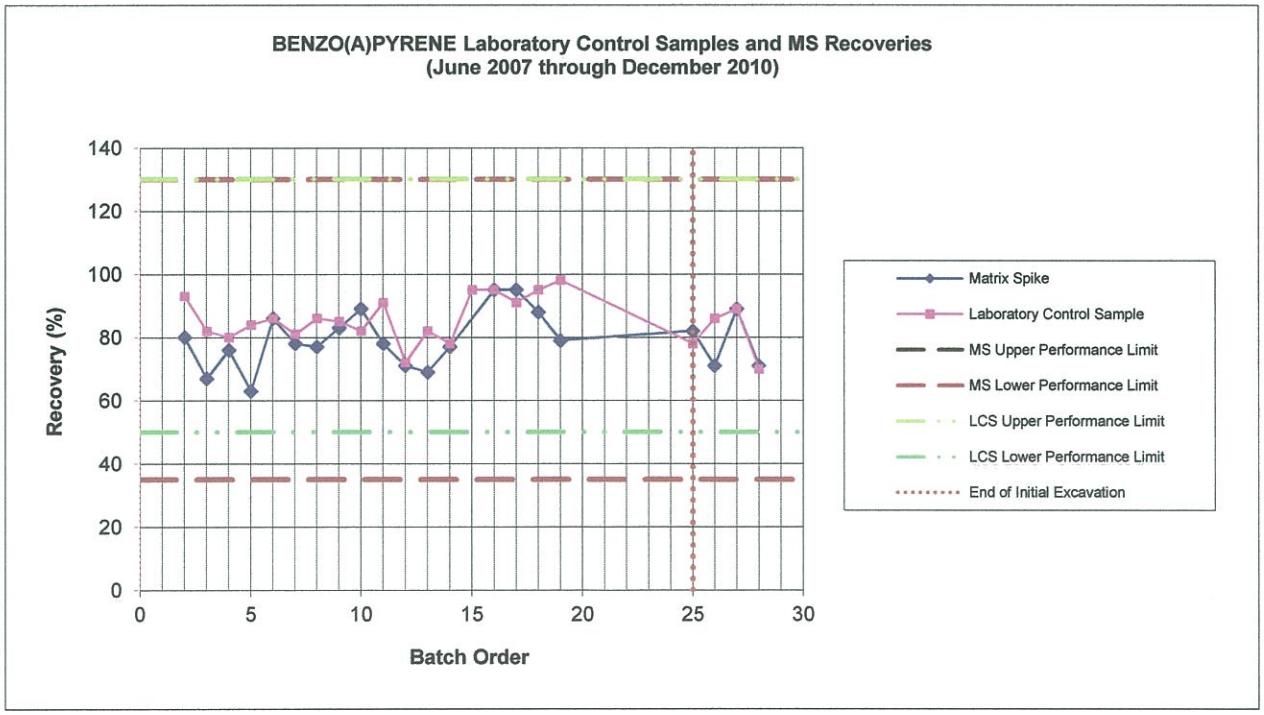


Table Benzo(a)pyrene-6: Benzo(a)pyrene - Laboratory MSD

Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/15/08	25	49841	2
WS-N03-080507MSD	5/23/08	2	49912	3
WS-K05-080509MSD	5/30/08	10	50159	4
WS-K02-080509MSD	6/2/08	26	50169	5
BOR 52, 54, 57, 71MSD	6/4/08	12	50262	6
ES-S07-080521MSD	6/5/08	3	50282	7
BOR 500MSD	6/11/08	0	50403	8
ES-K02-080602MSD	6/20/08	3	50635	9
ES-V11-080529MSD	6/23/08	20	50534	10
ES-N09-080610MSD	6/26/08	4	50781	11
ES-L06-080605MSD	6/28/08	2	50807	12
WS-E04-080613MSD	7/9/08	7	51044	13
WS-C05-080620MSD	7/9/08	9	51046	14
WS-D04-080623MSD	7/17/08	3	51151	16
WS-I02-080618MSD	7/18/08	11	51147	17
ES-C01-080624MSD	7/21/08	1	51148	18
WS-K04-080513MSD	7/25/08	7	51406	19
ES-J03-090323MSD	4/3/09	6	56623	25
WS-M04-091218MSD	1/5/10	15	64004	26
DUP-44MSD	1/8/10	0	64060	27
DUP-44MSD	1/8/10	0	64060	27
DUP-44MSD	1/8/10	0	64060	27
DUP-44MSD	1/8/10	0	64060	27
ES-SB3-100901MSD	9/17/10	13	70158	28

Average MSD RPD = 7 %

Maximum MSD RPD = 26 %

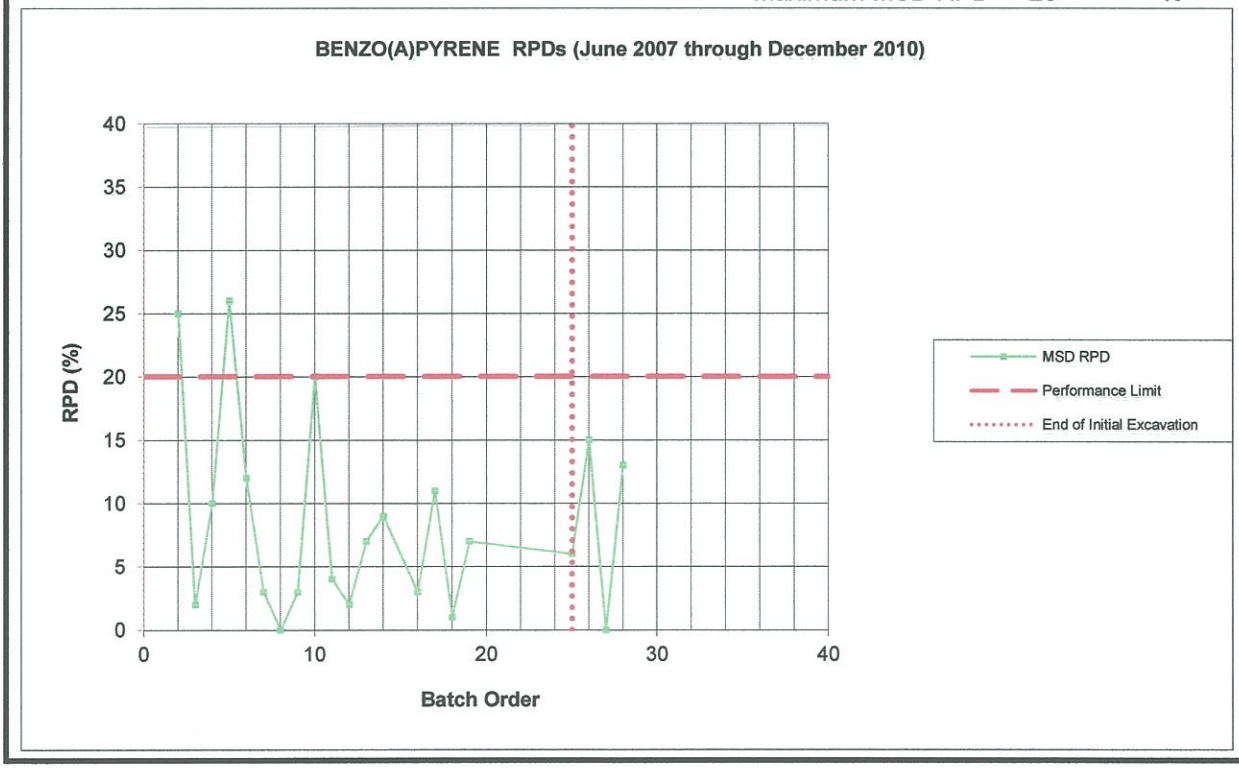


Table Benzo(a)pyrene-7: Method 8282 Surrogate (Terphenyl-D14) Recoveries

Sample	Recovery	Date	Batch	Order
Sample	Recovery	Date	Batch	Order
WS-K04-080513	44	39601	50169	76
ES-R06-080521	43	39604	50282	113
ES-Q05-080520	51	39604	50282	124
ES-P07-080519	40	39610	50403	135
ES-Q10-D0	36	39882	56175	360
ES-P10-B1	52	39883	56192	373
ES-P10-C1	47	39883	56192	379
ES-R09-A1	18	39884	56245	389
ES-T09-B1	18	39889	56337	407
ES-N06-C0	48	39889	56337	416

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

For all Surrogate Measurements	
Mean Recovery	78
Median	77
Mode	73
Standard Deviation	13
Minimum	18

Table Benzo(a)pyrene-7: Method 8282 Surrogate (Terphenyl-D14) Recoveries (Graph)

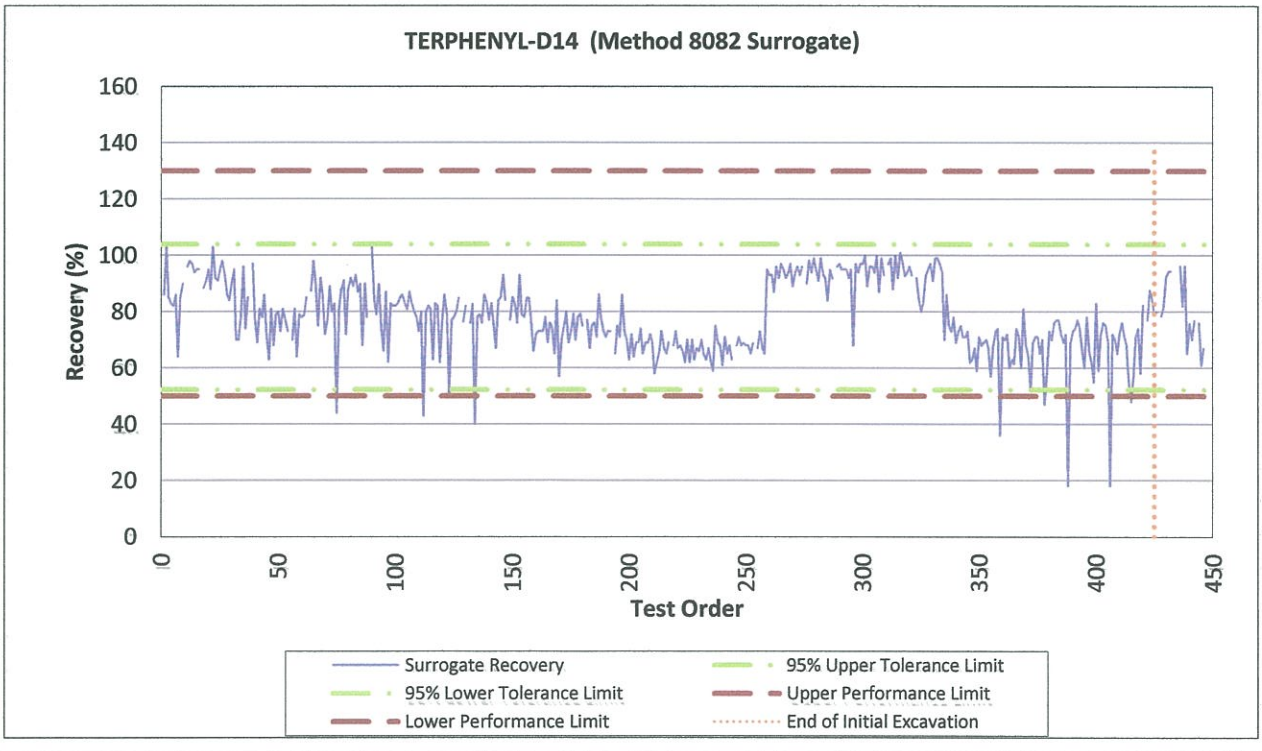


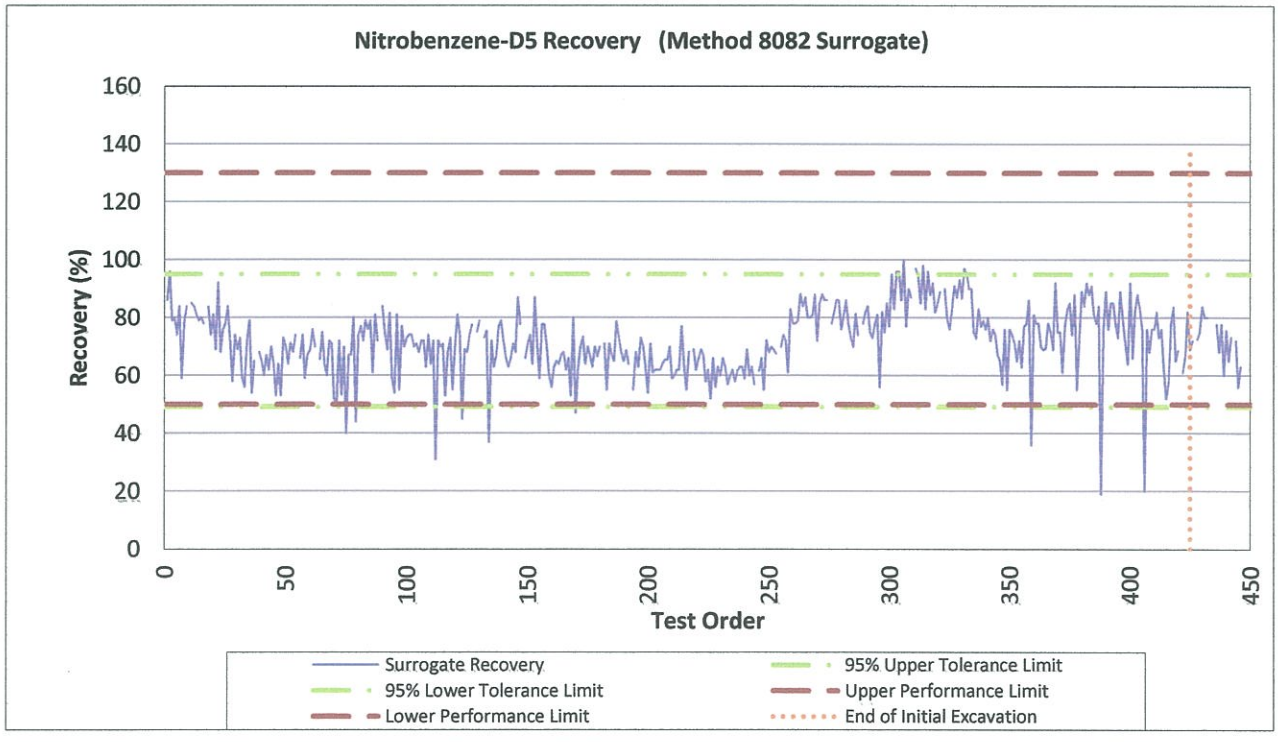
Table Benzo(a)pyrene-8: Method 8282 Surrogate (Nitrobenzene-D5) Recoveries

Sample	Recovery	Date	Batch	Order
Sample	Recovery	Date	Batch	Order
ES-R09-A1	19	39884	56245	11
ES-T09-B1	20	39889	56337	18
ES-R06-080521	31	39604	50282	39
ES-Q10-D0	36	39882	56175	56
ES-P07-080519	37	39610	50403	64
WS-K04-080513	40	39601	50169	90
ES-N04-080519	44	39601	50169	129
ES-Q05-080520	45	39604	50282	132
ES-T11-080530	47	39622	50534	149
WS-J02-080624	95	39650	51148	182
ES-E02-080611	95	39654	51406	194
A7E080000081B	96	39212	7128081	219
ES-C01-080624	96	39650	51148	246
WS-C04-080623	96	39650	51148	255
ES-A01-080623	96	39650	51148	276
BOR 508	97	39650	51148	289
ES-Z07-080522 B	97	39654	51406	311
DUP-18	98	39650	51148	323
577697	100	39650	51148	422

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

For all Surrogate Measurements	
Mean Recovery	72
Median	72
Mode	70
Standard Deviation	11
Minimum	19

Table Benzo(a)pyrene-8: Method 8282 Surrogate (Nitrobenzene-D5) Recoveries (Graph)



BENZO(A)PYRENE results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	A1	ES-A01-080623	BENZO(A)PYRENE	0.0069	07/21/08	51148	N	ES-A01-080623
East Site	B1	ES-B01-080623	BENZO(A)PYRENE	0.2300	07/21/08	51148	Y	ES-B01-080623
East Site	C1	ES-C01-080624	BENZO(A)PYRENE	0.0068	07/21/08	51148	N	ES-C01-080624
East Site	D1	ES-D01-080624	BENZO(A)PYRENE	0.0068	07/21/08	51148	N	ES-D01-080624
East Site	E1	ES-E01-080528	BENZO(A)PYRENE	0.0068	06/05/08	50282	N	ES-E01-080528
East Site	E2	ES-E02-080611	BENZO(A)PYRENE	0.0410	07/25/08	51406	Y	ES-E02-080611
East Site	F1	ES-F01-080529	BENZO(A)PYRENE	0.0068	06/23/08	50534	N	ES-F01-080529
East Site	F1	ES-F01-080529	BENZO(A)PYRENE	0.0068	07/25/08	51406	N	DUP-17
East Site	G1	ES-G01-080529	BENZO(A)PYRENE	0.0068	06/23/08	50534	N	ES-G01-080529
East Site	G2	ES-G02-080605	BENZO(A)PYRENE	0.0068	06/20/08	50635	N	ES-G02-080605
East Site	H1	ES-H01-080528	BENZO(A)PYRENE	0.0160	06/05/08	50282	Y	ES-H01-080528
East Site	H2	ES-H02-080515	BENZO(A)PYRENE	0.0260	06/02/08	50169	Y	ES-H02-080515
East Site	H3	ES-H03-080605	BENZO(A)PYRENE	0.0290	06/20/08	50635	Y	ES-H03-080605
East Site	I1	ES-I01-080529	BENZO(A)PYRENE	0.0200	06/23/08	50534	Y	ES-I01-080529
East Site	I2	ES-I02-080514	BENZO(A)PYRENE	0.0068	06/02/08	50169	N	ES-I02-080514
East Site	I3	ES-I03-080513	BENZO(A)PYRENE	0.0068	06/02/08	50169	N	ES-I03-080513
East Site	I4	ES-I04-080602	BENZO(A)PYRENE	0.0068	06/23/08	50534	N	ES-I04-080602
East Site	J1	ES-J01-080529	BENZO(A)PYRENE	0.0270	06/23/08	50534	Y	ES-J01-080529
East Site	J2	ES-J02-080527	BENZO(A)PYRENE	0.0068	06/04/08	50262	N	ES-J02-080527
East Site	J2	ES-J02-080527	BENZO(A)PYRENE	0.0068	06/26/08	50781	N	DUP-15
East Site	J3	ES-J03-080513	BENZO(A)PYRENE	0.0068	06/02/08	50169	N	ES-J03-080513
East Site	J3	ES-J03-080513	BENZO(A)PYRENE	0.0190	06/20/08	50635	Y	DUP-11
East Site	J3	ES-J03-090323	BENZO(A)PYRENE	0.0068	04/03/09	56623	N	ES-J03-090323
East Site	J4	ES-J04-080530	BENZO(A)PYRENE	0.0068	06/23/08	50534	N	ES-J04-080530
East Site	J4	ES-J04-080530	BENZO(A)PYRENE	0.0068	07/21/08	51148	N	DUP-18
East Site	J5	ES-J05-080602	BENZO(A)PYRENE	0.0190	06/23/08	50534	Y	ES-J05-080602
East Site	K1	ES-K01-080602	BENZO(A)PYRENE	0.0068	06/23/08	50534	N	ES-K01-080602
East Site	K2	ES-K02-080602	BENZO(A)PYRENE	0.0160	06/20/08	50635	Y	ES-K02-080602
East Site	K3	ES-K03-080514	BENZO(A)PYRENE	0.0600	06/02/08	50169	Y	ES-K03-080514
East Site	K4	ES-K04-080527	BENZO(A)PYRENE	0.0068	06/04/08	50262	N	ES-K04-080527
East Site	K5	ES-K05-080605	BENZO(A)PYRENE	0.0150	06/20/08	50635	Y	ES-K05-080605
East Site	K5	ES-K05-080605	BENZO(A)PYRENE	0.0220	07/21/08	51148	Y	DUP-19
East Site	K7	ES-K07-080611	BENZO(A)PYRENE	0.2900	06/26/08	50781	Y	ES-K07-080611
East Site	L1	ES-L01-080625	BENZO(A)PYRENE	0.0068	07/17/08	51151	N	ES-L01-080625
East Site	L2	ES-L02-080625	BENZO(A)PYRENE	0.0068	07/17/08	51151	N	ES-L02-080625
East Site	L3	ES-L03-080604	BENZO(A)PYRENE	0.1200	06/20/08	50635	Y	ES-L03-080604
East Site	L4	ES-L04-080604	BENZO(A)PYRENE	0.0068	06/20/08	50635	N	ES-L04-080604
East Site	L5	ES-L05-080620	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	ES-L05-080620
East Site	L6	ES-L06-080605	BENZO(A)PYRENE	0.0068	06/28/08	50807	N	ES-L06-080605
East Site	M1	ES-M01-080527	BENZO(A)PYRENE	0.0068	06/04/08	50262	N	ES-M01-080527
East Site	M2	ES-M02-080519	BENZO(A)PYRENE	0.0068	06/05/08	50282	N	ES-M02-080519
East Site	M3	ES-M03-080519	BENZO(A)PYRENE	0.0068	06/03/08	50169	N	ES-M03-080519
East Site	M4	ES-M04-080515	BENZO(A)PYRENE	0.0068	06/02/08	50169	N	ES-M04-080515
East Site	M5	ES-M05-080527	BENZO(A)PYRENE	0.0067	06/04/08	50262	N	ES-M05-080527
East Site	M6	ES-M06-080520	BENZO(A)PYRENE	0.0068	06/05/08	50282	N	ES-M06-080520
East Site	M7	ES-M07-080612	BENZO(A)PYRENE	0.0068	07/09/08	51046	N	ES-M07-080612

BENZO(A)PYRENE results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	M8	ES-M08-080610	BENZO(A)PYRENE	0.2200	06/28/08	50807	Y	ES-M08-080610
East Site	M9	ES-M09-080611	BENZO(A)PYRENE	0.0068	06/26/08	50781	N	ES-M09-080611
East Site	N2	ES-N02-080528	BENZO(A)PYRENE	0.0068	06/05/08	50262	N	ES-N02-080528
East Site	N3	ES-N03-080520	BENZO(A)PYRENE	0.0068	06/05/08	50282	N	ES-N03-080520
East Site	N4	ES-N04-080519	BENZO(A)PYRENE	0.0068	06/02/08	50169	N	ES-N04-080519
East Site	N4	ES-N04-080519	BENZO(A)PYRENE	0.0068	07/25/08	51406	N	ES-N04-080519
East Site	N5	ES-N05-080519	BENZO(A)PYRENE	0.0068	06/02/08	50169	N	ES-N05-080519
East Site	N6	ES-N06-080527	BENZO(A)PYRENE	0.0068	06/04/08	50262	N	ES-N06-080527
East Site	N7	ES-N07-080530	BENZO(A)PYRENE	0.0068	06/23/08	50534	N	ES-N07-080530
East Site	N8	ES-N08-080610	BENZO(A)PYRENE	0.0290	06/28/08	50807	Y	ES-N08-080610
East Site	N9	ES-N09-080610	BENZO(A)PYRENE	0.0069	06/26/08	50781	N	ES-N09-080610
East Site	N10	ES-N10-080610	BENZO(A)PYRENE	0.0069	06/28/08	50807	N	ES-N10-080610
East Site	O3	ES-O03-080528	BENZO(A)PYRENE	0.0068	06/05/08	50262	N	ES-O03-080528
East Site	O4	ES-O04-080515	BENZO(A)PYRENE	0.0068	06/02/08	50169	N	ES-O04-080515
East Site	O5	ES-O05-080520	BENZO(A)PYRENE	0.0260	06/05/08	50282	Y	ES-O05-080520
East Site	O6	ES-O06-080529	BENZO(A)PYRENE	0.0068	06/23/08	50534	N	ES-O06-080529
East Site	O7	ES-O07-080530	BENZO(A)PYRENE	0.0068	06/23/08	50534	N	ES-O07-080530
East Site	O8	ES-O08-080530	BENZO(A)PYRENE	0.0068	06/23/08	50534	N	ES-O08-080530
East Site	O9	ES-O09-080610	BENZO(A)PYRENE	0.0068	06/28/08	50807	N	ES-O09-080610
East Site	O10	ES-O10-080611	BENZO(A)PYRENE	0.0310	06/26/08	50781	Y	ES-O10-080611
East Site	P4	ES-P04-080528	BENZO(A)PYRENE	0.0068	06/05/08	50282	N	ES-P04-080528
East Site	P4	ES-P04-080528	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	DUP-16
East Site	P5	ES-P05-080513	BENZO(A)PYRENE	0.0068	06/02/08	50169	N	ES-P05-080513
East Site	P6	ES-P06-080515	BENZO(A)PYRENE	0.0068	06/02/08	50169	N	ES-P06-080515
East Site	P6	ES-P06-080515	BENZO(A)PYRENE	0.0068	06/28/08	50807	N	DUP-12
East Site	P7	ES-P07-080519	BENZO(A)PYRENE	0.0068	06/11/08	50403	N	ES-P07-080519
East Site	P7	ES-P07-080519	BENZO(A)PYRENE	0.0068	07/25/08	51406	N	ES-P07-080519
East Site	P8	ES-P08-080530	BENZO(A)PYRENE	0.0068	06/23/08	50534	N	ES-P08-080530
East Site	P10	ES-P10-080606	BENZO(A)PYRENE	0.0068	06/20/08	50635	N	ES-P10-080606
East Site	P11	ES-P11-080606	BENZO(A)PYRENE	0.0068	06/20/08	50635	N	ES-P11-080606
East Site	Q5	ES-Q05-080520	BENZO(A)PYRENE	0.0068	06/05/08	50282	N	ES-Q05-080520
East Site	Q5	ES-Q05-080520	BENZO(A)PYRENE	0.0068	07/25/08	51406	N	ES-Q05-080520
East Site	Q6	ES-Q06-080520	BENZO(A)PYRENE	0.0280	06/05/08	50282	Y	ES-Q06-080520
East Site	Q7	ES-Q07-080519	BENZO(A)PYRENE	0.0068	06/03/08	50169	N	ES-Q07-080519
East Site	Q8	ES-Q08-080519	BENZO(A)PYRENE	0.0890	06/03/08	50169	Y	ES-Q08-080519
East Site	Q9	ES-Q09-080612	BENZO(A)PYRENE	0.0068	06/26/08	50781	N	ES-Q09-080612
East Site	Q10	ES-Q10-080606	BENZO(A)PYRENE	0.1400	06/20/08	50635	Y	ES-Q10-080606
East Site	Q11	ES-Q11-080606	BENZO(A)PYRENE	0.0068	06/20/08	50635	N	ES-Q11-080606
East Site	Q17	ES-Q17-080609	BENZO(A)PYRENE	0.0068	06/28/08	50807	N	ES-Q17-080609
East Site	R5	ES-R05-080521	BENZO(A)PYRENE	0.0410	06/05/08	50282	Y	ES-R05-080521
East Site	R6	ES-R06-080521	BENZO(A)PYRENE	0.0068	06/05/08	50282	N	ES-R06-080521
East Site	R6	ES-R06-080521	BENZO(A)PYRENE	0.0068	07/25/08	51406	N	ES-R06-080521
East Site	R7	ES-R07-080521	BENZO(A)PYRENE	0.0068	06/05/08	50282	N	ES-R07-080521
East Site	R8	ES-R08-080519	BENZO(A)PYRENE	0.0220	06/05/08	50282	Y	ES-R08-080519
East Site	R9	ES-R09-080520	BENZO(A)PYRENE	0.0068	06/11/08	50403	N	ES-R09-080520
East Site	R10	ES-R10-080602	BENZO(A)PYRENE	0.0068	06/23/08	50534	N	ES-R10-080602

BENZO(A)PYRENE results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East Site	R11	ES-R11-080605	BENZO(A)PYRENE	0.0068	06/20/08	50635	N	ES-R11-080605
East Site	R12	ES-R12-080611	BENZO(A)PYRENE	0.0068	06/26/08	50781	N	ES-R12-080611
East Site	R16	ES-R16-080605	BENZO(A)PYRENE	0.0068	06/20/08	50635	N	ES-R16-080605
East Site	R17	ES-R17-080606	BENZO(A)PYRENE	0.0068	06/20/08	50635	N	ES-R17-080606
East Site	S5	ES-S05-080521	BENZO(A)PYRENE	0.0480	06/05/08	50282	Y	ES-S05-080521
East Site	S6	ES-S06-080521	BENZO(A)PYRENE	0.0068	06/05/08	50282	N	ES-S06-080521
East Site	S7	ES-S07-080521	BENZO(A)PYRENE	0.0068	06/05/08	50282	N	ES-S07-080521
East Site	S8	ES-S08-080522	BENZO(A)PYRENE	0.0350	06/04/08	50262	Y	ES-S08-080522
East Site	S9	ES-S09-080522	BENZO(A)PYRENE	0.0068	06/04/08	50262	N	ES-S09-080522
East Site	S10	ES-S10-080523	BENZO(A)PYRENE	0.0068	06/04/08	50262	N	ES-S10-080523
East Site	S11	ES-S11-080528	BENZO(A)PYRENE	0.0068	06/05/08	50262	N	ES-S11-080528
East Site	S12	ES-S12-080609	BENZO(A)PYRENE	0.0068	06/28/08	50807	N	ES-S12-080609
East Site	S13	ES-S13-080610	BENZO(A)PYRENE	0.0068	06/28/08	50807	N	ES-S13-080610
East Site	S17	ES-S17-080606	BENZO(A)PYRENE	0.0068	06/20/08	50635	N	ES-S17-080606
East Site	S18	ES-S18-080606	BENZO(A)PYRENE	0.0068	06/20/08	50635	N	ES-S18-080606
East Site	T7	ES-T07-080612	BENZO(A)PYRENE	0.0068	06/26/08	50781	N	ES-T07-080612
East Site	T8	ES-T08-080522	BENZO(A)PYRENE	0.0068	06/04/08	50262	N	ES-T08-080522
East Site	T8	ES-T08-080522	BENZO(A)PYRENE	0.0068	06/28/08	50807	N	DUP-13
East Site	T9	ES-T09-080522	BENZO(A)PYRENE	0.0068	06/04/08	50262	N	ES-T09-080522
East Site	T10	ES-T10-080523	BENZO(A)PYRENE	0.0370	06/04/08	50262	Y	ES-T10-080523
East Site	T10	ES-T10-080523	BENZO(A)PYRENE	0.0410	07/09/08	51046	Y	DUP-14
East Site	T11	ES-T11-080530	BENZO(A)PYRENE	0.0069	06/23/08	50534	N	ES-T11-080530
East Site	T11	ES-T11-080530	BENZO(A)PYRENE	0.0068	07/25/08	51406	N	ES-T11-080530
East Site	T12	ES-T12-080609	BENZO(A)PYRENE	0.0068	06/28/08	50807	N	ES-T12-080609
East Site	T13	ES-T13-080609	BENZO(A)PYRENE	0.0068	06/28/08	50807	N	ES-T13-080609
East Site	T14	ES-T14-080610	BENZO(A)PYRENE	0.0068	06/28/08	50807	N	ES-T14-080610
East Site	U10	ES-U10-080523	BENZO(A)PYRENE	0.0068	06/04/08	50262	N	ES-U10-080523
East Site	U11	ES-U11-080602	BENZO(A)PYRENE	0.0260	06/20/08	50635	Y	ES-U11-080602
East Site	U13	ES-U13-080610	BENZO(A)PYRENE	0.0068	06/28/08	50807	N	ES-U13-080610
East Site	U14	ES-U14-080610	BENZO(A)PYRENE	0.0300	06/28/08	50807	Y	ES-U14-080610
East Site	V11	ES-V11-080529	BENZO(A)PYRENE	0.2200	06/23/08	50534	Y	ES-V11-080529
East Site	V14	ES-V14-080605	BENZO(A)PYRENE	0.0230	06/20/08	50635	Y	ES-V14-080605
East Site	W12	ES-W12-080527	BENZO(A)PYRENE	0.0540	06/04/08	50262	Y	ES-W12-080527
West Site	A4	WS-A04-080626	BENZO(A)PYRENE	0.0068	07/17/08	51151	N	WS-A04-080626
West Site	B2	WS-B02-080502	BENZO(A)PYRENE	0.0069	05/29/08	49912	N	WS-B02-080502
West Site	B3	WS-B03-080502	BENZO(A)PYRENE	0.0950	05/20/08	49912	Y	WS-B03-080502
West Site	B4	WS-B04-080626	BENZO(A)PYRENE	0.0068	07/17/08	51151	N	WS-B04-080626
West Site	B5	WS-B05-080626	BENZO(A)PYRENE	0.0068	07/17/08	51151	N	WS-B05-080626
West Site	C1	WS-C01-080501	BENZO(A)PYRENE	0.0450	05/15/08	49841	Y	WS-C01-080501
West Site	C1	WS-C01-080501	BENZO(A)PYRENE	0.0270	05/30/08	50159	Y	DUP-3
West Site	C2	WS-C02-080428	BENZO(A)PYRENE	0.0068	05/15/08	49841	N	WS-C02-080428
West Site	C3	WS-C03-080620	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-C03-080620
West Site	C4	WS-C04-080623	BENZO(A)PYRENE	0.0068	07/21/08	51148	N	WS-C04-080623
West Site	C5	WS-C05-080620	BENZO(A)PYRENE	0.0068	07/09/08	51046	N	WS-C05-080620
West Site	C6	WS-C06-080624	BENZO(A)PYRENE	0.0068	07/21/08	51148	N	WS-C06-080624
West Site	D1	WS-D01-080430	BENZO(A)PYRENE	0.0460	05/15/08	49841	Y	WS-D01-080430

BENZO(A)PYRENE results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	D2	WS-D02-080429	BENZO(A)PYRENE	0.0068	05/15/08	49841	N	WS-D02-080429
West Site	D2	WS-D02-080429	BENZO(A)PYRENE	0.0068	05/15/08	49841	N	DUP-2
West Site	D3	WS-D03-080620	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-D03-080620
West Site	D4	WS-D04-080623	BENZO(A)PYRENE	0.2000	07/17/08	51151	Y	WS-D04-080623
West Site	D5	WS-D05-080620	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-D05-080620
West Site	D6	WS-D06-080619	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-D06-080619
West Site	D7	WS-D07-080619	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-D07-080619
West Site	E1	WS-E01-080430	BENZO(A)PYRENE	0.0390	05/15/08	49841	Y	WS-E01-080430
West Site	E2	WS-E02-080428	BENZO(A)PYRENE	0.0380	05/15/08	49841	Y	DUP-1
West Site	E2	WS-E02-080428	BENZO(A)PYRENE	0.0068	05/15/08	49841	N	WS-E02-080428
West Site	E3	WS-E03-080619	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-E03-080619
West Site	E4	WS-E04-080613	BENZO(A)PYRENE	0.0068	07/09/08	51044	N	WS-E04-080613
West Site	E5	WS-E05-080613	BENZO(A)PYRENE	0.0068	06/26/08	50781	N	WS-E05-080613
West Site	E6	WS-E06-080613	BENZO(A)PYRENE	0.0068	07/17/08	51151	N	WS-E06-080613
West Site	E7	WS-E07-080613	BENZO(A)PYRENE	0.0068	07/09/08	51044	N	WS-E07-080613
West Site	E8	WS-E08-080616	BENZO(A)PYRENE	0.0390	07/09/08	51044	Y	WS-E08-080616
West Site	F1	WS-F01-080429	BENZO(A)PYRENE	0.0610	05/15/08	49841	Y	WS-F01-080429
West Site	F2	WS-F02-080429	BENZO(A)PYRENE	0.0390	05/15/08	49841	Y	WS-F02-080429
West Site	F3	WS-F03-080619	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-F03-080619
West Site	F4	WS-F04-080616	BENZO(A)PYRENE	0.0068	07/09/08	51044	N	WS-F04-080616
West Site	F5	WS-F05-080612	BENZO(A)PYRENE	0.1100	07/09/08	51044	Y	WS-F05-080612
West Site	F6	WS-F06-080612	BENZO(A)PYRENE	0.0068	07/09/08	51044	N	WS-F06-080612
West Site	F7	WS-F07-080617	BENZO(A)PYRENE	0.0068	07/09/08	51044	N	WS-F07-080617
West Site	F8	WS-F08-080618	BENZO(A)PYRENE	0.0520	07/18/08	51147	Y	WS-F08-080618
West Site	G1	WS-G01-080501	BENZO(A)PYRENE	0.0510	05/15/08	49841	Y	WS-G01-080501
West Site	G1	WS-G01-080501	BENZO(A)PYRENE	0.0180	05/30/08	50159	Y	DUP-4
West Site	G2	WS-G02-080618	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-G02-080618
West Site	G3	WS-G03-080619	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-G03-080619
West Site	G4	WS-G04-080616	BENZO(A)PYRENE	0.0068	07/09/08	51044	N	WS-G04-080616
West Site	G5	WS-G05-080613	BENZO(A)PYRENE	0.0700	06/26/08	50781	Y	WS-G05-080613
West Site	G6	WS-G06-080616	BENZO(A)PYRENE	0.0068	07/09/08	51044	N	WS-G06-080616
West Site	G7	WS-G07-080617	BENZO(A)PYRENE	0.1000	07/09/08	51044	Y	WS-G07-080617
West Site	H1	WS-H01-080501	BENZO(A)PYRENE	0.0600	05/20/08	49912	Y	WS-H01-080501
West Site	H2	WS-H02-080618	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-H02-080618
West Site	H3	WS-H03-080619	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-H03-080619
West Site	H4	WS-H04-080616	BENZO(A)PYRENE	0.0068	07/09/08	51044	N	WS-H04-080616
West Site	H5	WS-H05-080613	BENZO(A)PYRENE	0.0200	07/09/08	51044	Y	WS-H05-080613
West Site	H6	WS-H06-080617	BENZO(A)PYRENE	0.0068	07/09/08	51044	N	WS-H06-080617
West Site	I1	WS-I01-080501	BENZO(A)PYRENE	0.0470	05/29/08	49912	Y	WS-I01-080501
West Site	I1	WS-I01-080501	BENZO(A)PYRENE	0.0350	05/30/08	50159	Y	DUP-5
West Site	I2	WS-I02-080618	BENZO(A)PYRENE	0.0068	07/18/08	51147	N	WS-I02-080618
West Site	I3	WS-I03-080618	BENZO(A)PYRENE	0.0067	07/18/08	51147	N	WS-I03-080618
West Site	I4	WS-I04-080617	BENZO(A)PYRENE	0.0068	07/09/08	51044	N	WS-I04-080617
West Site	I5	WS-I05-080617	BENZO(A)PYRENE	0.0460	07/09/08	51044	Y	WS-I05-080617
West Site	I6	WS-I06-080617	BENZO(A)PYRENE	0.0660	07/09/08	51044	Y	WS-I06-080617
West Site	J1	WS-J01-080505	BENZO(A)PYRENE	0.1200	05/29/08	49912	Y	WS-J01-080505

BENZO(A)PYRENE results from 12/16/2010 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West Site	J1	WS-J01-080505	BENZO(A)PYRENE	0.1300	06/05/08	50282	Y	DUP-6
West Site	J2	WS-J02-080624	BENZO(A)PYRENE	0.0068	07/21/08	51148	N	WS-J02-080624
West Site	J3	WS-J03-080620	BENZO(A)PYRENE	0.0520	07/09/08	51046	Y	WS-J03-080620
West Site	J4	WS-J04-080617	BENZO(A)PYRENE	0.0470	07/09/08	51044	Y	WS-J04-080617
West Site	J5	WS-J05-080618	BENZO(A)PYRENE	0.1000	07/18/08	51147	Y	WS-J05-080618
West Site	K1	WS-K01-080505	BENZO(A)PYRENE	0.0630	05/28/08	49912	Y	WS-K01-080505
West Site	K2	WS-K02-080509	BENZO(A)PYRENE	0.0370	06/02/08	50169	Y	WS-K02-080509
West Site	K3	WS-K03-080509	BENZO(A)PYRENE	0.0660	06/02/08	50169	Y	WS-K03-080509
West Site	K4	WS-K04-080513	BENZO(A)PYRENE	0.0190	06/02/08	50169	Y	WS-K04-080513
West Site	K4	WS-K04-080513	BENZO(A)PYRENE	0.0180	06/23/08	50534	Y	DUP-10
West Site	K4	WS-K04-080513	BENZO(A)PYRENE	0.0300	07/25/08	51406	Y	WS-K04-080513
West Site	K5	WS-K05-080509	BENZO(A)PYRENE	0.0360	05/30/08	50159	Y	WS-K05-080509
West Site	L1	WS-L01-080505	BENZO(A)PYRENE	0.0440	05/28/08	49912	Y	WS-L01-080505
West Site	L2	WS-L02-080508	BENZO(A)PYRENE	0.0480	05/20/08	49912	Y	WS-L02-080508
West Site	L3	WS-L03-080508	BENZO(A)PYRENE	0.0770	05/20/08	49912	Y	WS-L03-080508
West Site	L4	WS-L04-080508	BENZO(A)PYRENE	0.0068	05/20/08	49912	N	WS-L04-080508
West Site	L4	WS-L04-080508	BENZO(A)PYRENE	0.0200	06/05/08	50282	Y	DUP-9
West Site	M1	WS-M01-080505	BENZO(A)PYRENE	0.0440	05/29/08	49912	Y	WS-M01-080505
West Site	M1	WS-M01-080505	BENZO(A)PYRENE	0.0069	05/30/08	50159	N	DUP-7
West Site	M2	WS-M02-080507	BENZO(A)PYRENE	0.0700	05/29/08	49912	Y	WS-M02-080507
West Site	M3	WS-M03-080507	BENZO(A)PYRENE	0.9000	05/29/08	49912	Y	WS-M03-080507
West Site	M3	WS-M03-080507	BENZO(A)PYRENE	1.3000	06/05/08	50262	Y	DUP-8
West Site	M3	WS-M03-091217	BENZO(A)PYRENE	0.0050	01/05/10	64004	N	WS-M03-091217
West Site	M4	WS-M04-080507	BENZO(A)PYRENE	2.6000	06/04/08	49912	Y	WS-M04-080507
West Site	M4	WS-M04-091218	BENZO(A)PYRENE	0.0050	01/05/10	64004	N	WS-M04-091218
West Site	M4	WS-M04-091218	BENZO(A)PYRENE	0.0050	01/08/10	64060	N	DUP-44
West Site	N1	WS-N01-080506	BENZO(A)PYRENE	0.0550	05/29/08	49912	Y	WS-N01-080506
West Site	N2	WS-N02-080506	BENZO(A)PYRENE	0.0670	05/20/08	49912	Y	WS-N02-080506
West Site	N3	WS-N03-080507	BENZO(A)PYRENE	0.1400	05/20/08	49912	Y	WS-N03-080507
West Site	O1	WS-O01-080506	BENZO(A)PYRENE	0.0350	05/28/08	49912	Y	WS-O01-080506
West Site	O2	WS-O02-080506	BENZO(A)PYRENE	0.0940	05/29/08	49912	Y	WS-O02-080506

Table Benzo(b)fluoranthene-1: Benzo(b)fluoranthene Data Quality Summary

Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	70%	
Minimum Matrix Spike Recovery	greater than 35%	65%	
Minimum Surrogate Recovery	greater than 50%	18%	Terphenyl-D14
Average LCS Recovery	N/A	85%	
Average Matrix Spike Recovery	N/A	82%	
Average Surrogate Recovery	N/A	78%	Terphenyl-D14
Maximum MSD RPD	less than 35%	32%	
Average MSD RPD	N/A	8%	

Measurement Quality Objectives	Criteria	Measured	
NPS CRM	Recovery greater than 0.466	Minimum Recovery =	0.800 mg/kg
EQIS CRM	Recovery greater than 0.790	Minimum Recovery =	0.670 mg/kg
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	161 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	26 %

Overall QC Indicator Measurements	Criteria	Measured	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	107.6 %
NPS Replicate Test (Precision measure)	None		

Data Quality Relative to Remediation Goals		
Tier 1 Remediation Goal	0.55	mg/kg
Tier 2 Remediation Goal	None	
QC Derived Reliance Level	0.553	mg/kg See Note 1

Comments: Surrogate recoveries and LCS recovery are generally low, indicating a bias favoring low measurements. Intermittently very low values occur, with the lowest recorded recovery being 18%. Low minimum and low average matrix spike recoveries (65% and 82% respectively) also indicate a potential bias towards low measurements. A maximum CVS split analysis RPD (161%) indicates imprecision. Recovery of the NPS CRM (107.6) indicates a slight bias towards high concentrations, however, the data set is relatively small. The derived reliance level (0.55 mg/kg) is the same as the RG (0.55 mg/kg). Thus, all benzo(b)fluoranthene CVS results that are necessary for the RG achievement decision in each grid are below the derived reliance level and it is concluded that benzo(b)fluoranthene CVS measurements that are necessary to the evaluation of RG achievement are of acceptable quality and may be used to determine RG achievement.

Note 1:The standard deviation of EQIS CRM split analyses (0.187 mg/kg) is used to represent measurement imprecision near the RG and is used with an estimate of bias from NPS CRMs (average recovery = 107.6%) to calculate the derived reliance level (0.55 mg/kg).Derived reliance level is calculated as:
(Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.55)(1.2)(1.076)-(0.84)(0.187) =0.553 mg/kg

Table Benzo(b)fluoranthene-2: Benzo(b)fluoranthene - NPS CRMs				
Blind NPS CRM Results				
Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 70	1.2	6/2/08	50169	Y
BO 50,55,58,72	0.8	6/23/08	50534	Y
BOR 102-96-99-105	0.98	7/9/08	51046	Y
BOR 103,97,100,106	1.1	7/21/08	51148	Y
BOR 104	1.3	7/21/08	51148	Y

CRMs		Vendor Supplied Information
Mean	1.076	*Made to*
Median	1.100	*1.000 mg/kg*
Standard Deviation	0.195	
Sample Variance	0.038	*Upper Acceptance Limit*
Kurtosis	-0.471	*1.190 mg/kg*
Skewness	-0.494	
Range	0.500	*Lower Acceptance Limit*
Minimum	0.800	*0.466 mg/kg*
Maximum	1.300	
Sum	5.380	
Count	5.000	
Largest(2)	1.200	
Smallest(2)	0.980	

Table Benzo(b)fluoranthene-3: Benzo(b)fluoranthene NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 501	0.0400	6/4/08	50262	WS-L04-080508	0.0480	5/20/2008	18
BOR 500	0.0470	6/11/08	50403	WS-F01-080429	0.0680	5/15/2008	37
BOR 505	0.1100	6/23/08	50534	WS-K03-080509	0.1300	6/2/2008	17
BOR 504	0.0093	6/26/08	50781	ES-M05-080527	0.0094	6/4/2008	
BOR 506	0.0093	6/26/08	50781	ES-S10-080523	0.0095	6/4/2008	
BOR 502	0.3900	7/21/08	51148	WS-F05-080612	0.1400	7/9/2008	94
BOR 507	0.0093	7/21/08	51148	ES-O09-080610	0.0096	6/28/2008	
BOR 508	0.0093	7/21/08	51148	ES-Q11-080606	0.0095	6/20/2008	
BOR 509	0.0093	7/21/08	51148	WS-E06-080613	0.0095	7/17/2008	
BOR 510	0.0093	7/21/08	51148	OU-8HR-080605	0.0095	6/20/2008	
DUP-1	0.0440	5/15/08	49841	WS-E02-080428	0.0096	5/15/2008	128
DUP-2	0.0095	5/15/08	49841	WS-D02-080429	0.0096	5/15/2008	
DUP-3	0.0095	5/30/08	50159	WS-C01-080501	0.0740	5/15/2008	154
DUP-4	0.0072	5/30/08	50159	WS-G01-080501	0.0590	5/15/2008	156
DUP-5	0.0099	5/30/08	50159	WS-I01-080501	0.0920	5/29/2008	161
DUP-7	0.0990	5/30/08	50159	WS-M01-080505	0.0930	5/29/2008	6
DUP-8	2.2000	6/5/08	50262	WS-M03-080507	1.8000	5/29/2008	20
DUP-6	0.2300	6/5/08	50282	WS-J01-080505	0.2000	5/29/2008	14
DUP-9	0.0440	6/5/08	50282	WS-L04-080508	0.0480	5/20/2008	9
DUP-11	0.0370	6/20/08	50635	ES-J03-080513	0.0460	6/2/2008	22
DUP-10	0.0310	6/23/08	50534	WS-K04-080513	0.0330	6/2/2008	6
DUP-15	0.0095	6/26/08	50781	ES-J02-080527	0.0095	6/4/2008	
DUP-12	0.0095	6/28/08	50807	ES-P06-080515	0.0095	6/2/2008	
DUP-13	0.0095	6/28/08	50807	ES-T08-080522	0.0095	6/4/2008	
DUP-14	0.0610	7/9/08	51046	ES-T10-080523	0.0480	6/4/2008	24
DUP-16	0.0096	7/18/08	51147	ES-P04-080528	0.0095	6/5/2008	
DUP-18	0.0096	7/21/08	51148	ES-J04-080530	0.0096	6/23/2008	
DUP-19	0.0340	7/21/08	51148	ES-K05-080605	0.0220	6/20/2008	43
DUP-17	0.0095	7/25/08	51406	ES-F01-080529	0.0230	6/23/2008	83
DUP-44	0.0070	1/8/10	64060	WS-M04-091218	0.0070	1/5/2010	

[ ] Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	58.401
Median	23.853
Standard Deviation	58.195
Sample Variance	3386.669
Kurtosis	-0.867
Skewness	0.908
Range	154.888
Minimum	6.250
Maximum	161.138
Sum	992.816
Count	17.000
Largest(2)	156.495
Smallest(2)	6.250

Table Benzo(b)fluoranthene-4: Benzo(b)fluoranthene EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	1.3	5/20/08	49912	Y		
ES-Z05-080519	1.1	5/30/08	50159	Y	1.20	16.67
ES-Z06-080520	1.2	5/30/08	50159	Y		
ES-Z07-080522	1.2	5/30/08	50159	Y	1.20	0.00
ES-Z08-080527	1.3	6/5/08	50262	Y		
ES-Z09-080529	1.2	6/5/08	50282	Y	1.25	8.00
ES-Z11-080605	0.98	6/20/08	50635	Y		
ES-Z10-080602	1	6/23/08	50534	Y	0.99	2.02
ES-Z14-080611 A	1	6/26/08	50781	Y		
ES-Z14-080611 B	0.98	6/26/08	50781	Y	0.99	2.02
WS-Z15-080613 A	0.98	6/26/08	50781	Y		
WS-Z15-080613 B	1	6/26/08	50781	Y	0.99	2.02
ES-Z12-080606-A	0.94	6/28/08	50807	Y		
ES-Z12-080606-B	0.92	6/28/08	50807	Y	0.93	2.15
ES-Z13-080610 A	0.9	6/28/08	50807	Y		
ES-Z13-080610 B	0.89	6/28/08	50807	Y	0.90	1.12
ES-Z11-080605 B	1	7/9/08	51044	Y		
WS-Z16-080617-A	0.99	7/9/08	51044	Y	1.00	1.01
WS-Z16-080617-B	1	7/9/08	51044	Y		
WS-Z18-080620 A	1.1	7/9/08	51046	Y	1.05	9.52
WS-Z18-080620 B	1	7/9/08	51046	Y		
ES-Z05-080519 B	1.3	7/17/08	50786	Y	1.15	26.09
ES-Z06-080520 B	1.3	7/17/08	50786	Y		
ES-Z08-080527 B	1.3	7/17/08	50786	Y	1.30	0.00
ES-Z09-080529 B	1.3	7/17/08	50786	Y		
ES-Z10-080602 B	1.2	7/17/08	50786	Y	1.25	8.00
WS-Z01-080430 B	1.3	7/17/08	50786	Y		
WS-Z17-080618 A	1.2	7/18/08	51147	Y	1.25	8.00
ES-Z19-080624 A	0.94	7/21/08	51148	Y		
ES-Z19-080624 B	0.97	7/21/08	51148	Y	0.96	3.14
ES-Z07-080522 B	1.5	7/25/08	51406	Y		
WS-Z17-080618 B	1.3	7/25/08	51406	Y	1.40	14.29
WS-Z29-091217A	0.72	1/5/10	64004	Y		
WS-Z29-091217B	0.67	1/5/10	64004	Y	0.70	7.19

Analysis of EQIS CRMs	
Mean	1.088
Median	1.000
Standard Deviation	0.187
Sample Variance	0.035
Kurtosis	-0.314
Skewness	-0.022
Range	0.830
Minimum	0.670
Maximum	1.500
Sum	36.980
Count	34.000
Largest(2)	1.300
Smallest(2)	0.720

RPD of EQIS CRMs	
Mean	6.543
Median	3.141
Standard Deviation	7.062
Sample Variance	49.878
Kurtosis	2.468
Skewness	1.551
Range	26.087
Minimum	0.000
Maximum	26.087
Sum	111.232
Count	17.000
Largest(2)	16.667
Smallest(2)	0.000

Table Benzo(b)fluoranthene-5: Benzo(b)fluoranthene Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
83	49841	2	92	49841	2
85	49912	3	83	49912	3
83	50159	4	80	50159	4
65	50169	5	84	50169	5
100	50262	6	86	50262	6
80	50282	7	79	50282	7
86	50403	8	89	50403	8
78	50635	9	78	50635	9
85	50534	10	76	50534	10
76	50781	11	87	50781	11
71	50807	12	70	50807	12
66	51044	13	77	51044	13
73	51046	14	78	51046	14
96	51151	16	96	50786	15
96	51147	17	96	51151	16
89	51148	18	90	51147	17
88	51406	19	96	51148	18
83	56623	25	100	51406	19
72	64004	26	77	56623	25
91	64060	27	86	64004	26
73	70158	28	88	64060	27
			72	70158	28

Average MS Recovery =	82	%	Average LCS Recovery =	85	%
Minimum MS Recovery =	65	%	Minimum LCS Recovery =	70	%

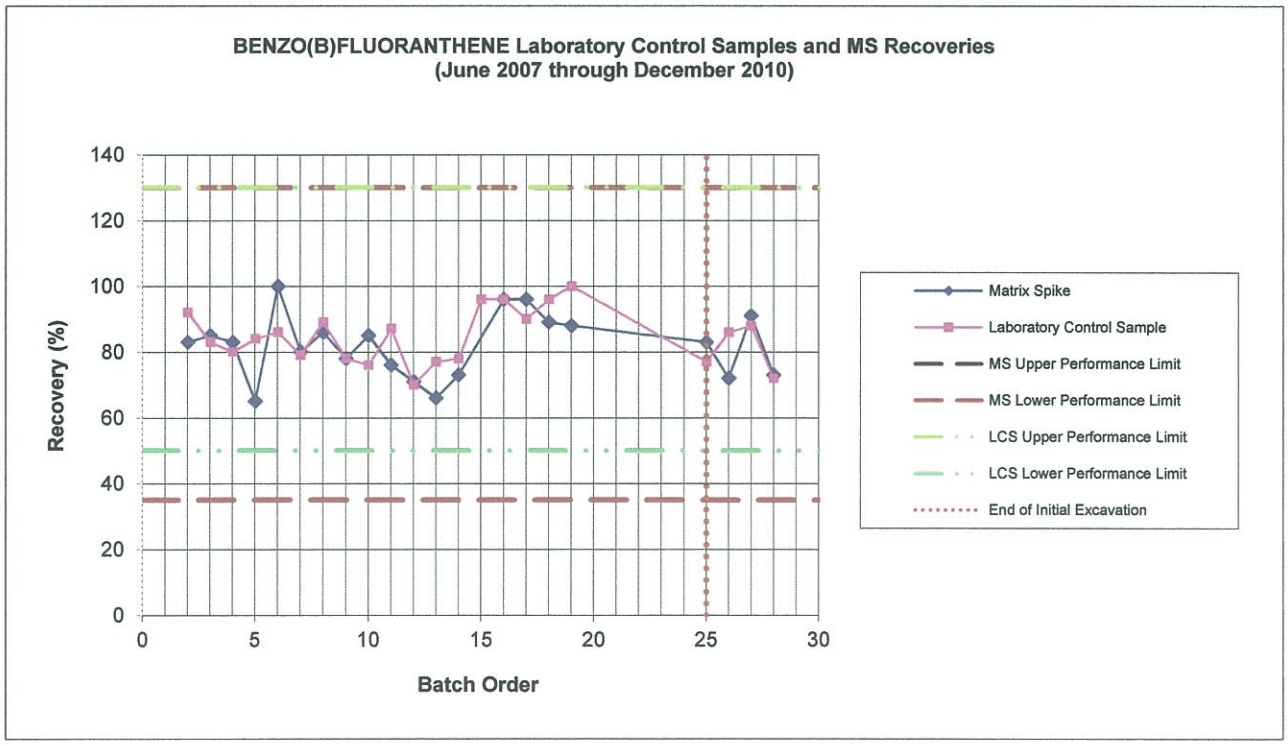


Table Benzo(b)fluoranthene-6: Benzo(b)fluoranthene - MSD				
Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/15/08	26	49841	2
WS-N03-080507MSD	5/23/08	2	49912	3
WS-K05-080509MSD	5/30/08	2	50159	4
WS-K02-080509MSD	6/2/08	32	50169	5
BOR 52, 54, 57, 71MSD	6/4/08	12	50262	6
ES-S07-080521MSD	6/5/08	4	50282	7
BOR 500MSD	6/11/08	3	50403	8
ES-K02-080602MSD	6/20/08	3	50635	9
ES-V11-080529MSD	6/23/08	18	50534	10
ES-N09-080610MSD	6/26/08	1	50781	11
ES-L06-080605MSD	6/28/08	1	50807	12
WS-E04-080613MSD	7/9/08	8	51044	13
WS-C05-080620MSD	7/9/08	6	51046	14
WS-D04-080623MSD	7/17/08	8	51151	16
WS-I02-080618MSD	7/18/08	10	51147	17
ES-C01-080624MSD	7/21/08	4	51148	18
WS-K04-080513MSD	7/25/08	0	51406	19
ES-J03-090323MSD	4/3/09	4	56623	25
WS-M04-091218MSD	1/5/10	16	64004	26
DUP-44MSD	1/8/10	0	64060	27
ES-SB3-100901MSD	9/17/10	16	70158	28

Average MSD RPD = 8 %

Maximum MSD RPD = 32 %

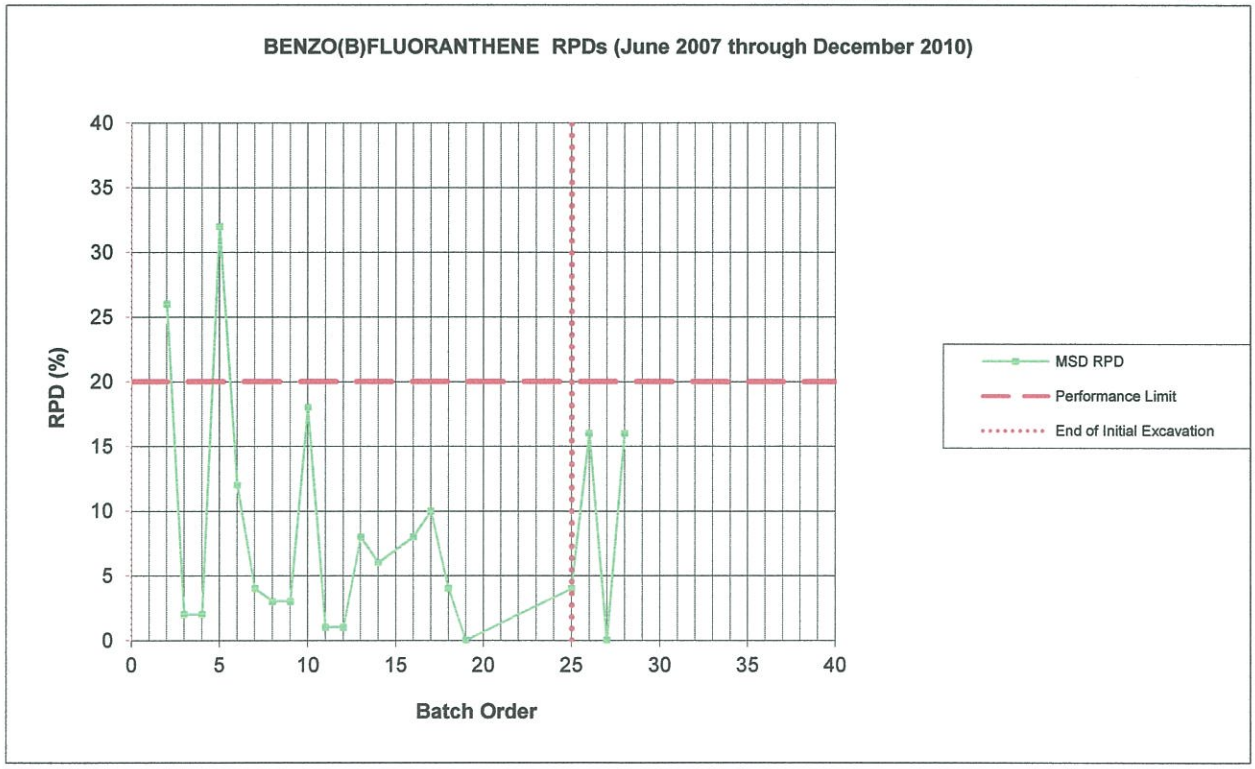


Table Benzo(b)fluoranthene-7: Method 8282 Surrogate (Terphenyl-D14) Recoveries

Sample	Recovery	Date	Batch	Order
Sample	Recovery	Date	Batch	Order
WS-K04-080513	44	39601	50169	76
ES-R06-080521	43	39604	50282	113
ES-Q05-080520	51	39604	50282	124
ES-P07-080519	40	39610	50403	135
ES-Q10-D0	36	39882	56175	360
ES-P10-B1	52	39883	56192	373
ES-P10-C1	47	39883	56192	379
ES-R09-A1	18	39884	56245	389
ES-T09-B1	18	39889	56337	407
ES-N06-C0	48	39889	56337	416

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

For all Surrogate Measurements	
Mean Recovery	78
Median	77
Mode	73
Standard Deviation	13
Minimum	18

Table Benzo(b)fluoranthene-7: Method 8282 Surrogate (Terphenyl-D14) Recoveries (Graph)