Table Benzo(k)fluoranthene-6: Benzo(k)fluoranthene - Laboratory MSD				
Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/15/08	26	49841	1
WS-N03-080507MSD	5/23/08	1	49912	2
WS-K05-080509MSD	5/30/08	10	50159	3
WS-K02-080509MSD	6/2/08	22	50169	4
BOR 52, 54, 57, 71MSD	6/4/08	11	50262	5
ES-S07-080521MSD	6/5/08	10	50282	6
BOR 500MSD	6/11/08	3	50403	7
ES-K02-080602MSD	6/20/08	7	50635	8
ES-V11-080529MSD	6/23/08	22	50534	9
ES-N09-080610MSD	6/26/08	8	50781	10
ES-L06-080605MSD	6/28/08	0	50807	11
WS-E04-080613MSD	7/9/08	5	51044	12
WS-C05-080620MSD	7/9/08	11	51046	13
WS-D04-080623MSD	7/17/08	2	51151	14
WS-I02-080618MSD	7/18/08	10	51147	15
ES-C01-080624MSD	7/21/08	4	51148	16
WS-K04-080513MSD	7/25/08	6	51406	17
ES-J03-090323MSD	4/3/09	5	56623	18

Average MSD RPD = 9 %

Maximum MSD RPD = 26 %

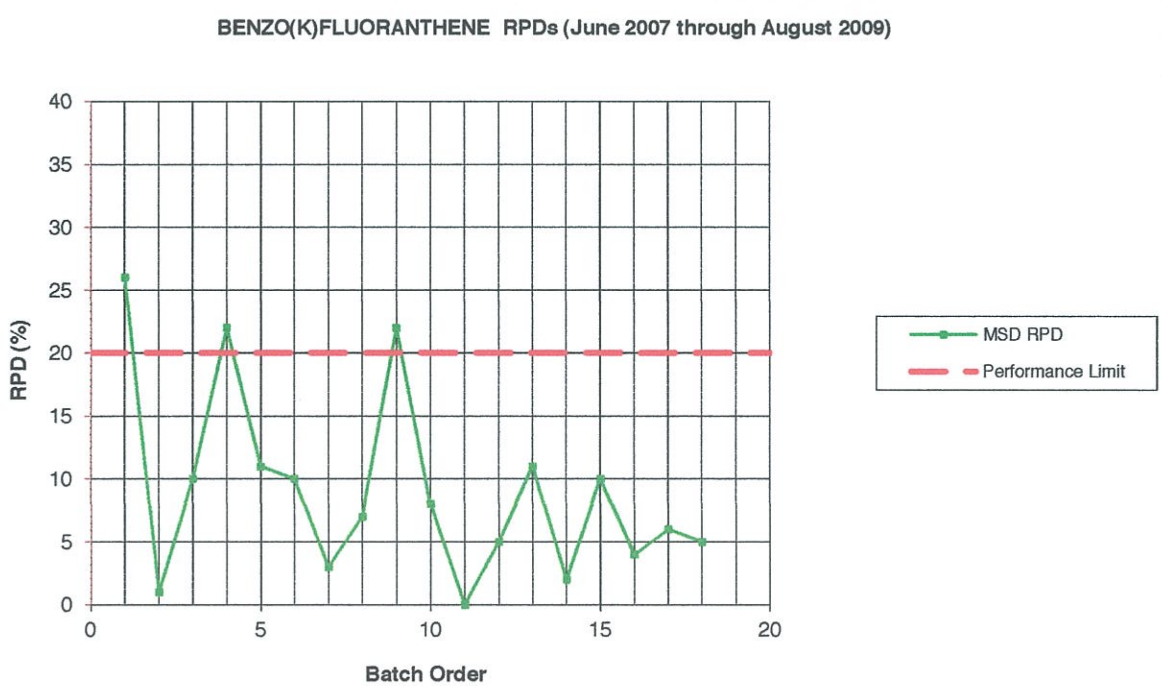

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Table Benzo(k)fluoranthene-7: Method 8270CA Surrogate (Terphenyl-D14) Recoveries

Sample	Recovery	Date	Batch	Order
WS-K04-080513	44	06/02/08	50169	65
ES-R06-080521	43	06/05/08	50282	100
ES-P07-080519	40	06/11/08	50403	110
ES-Q10-D0	36	03/10/09	56175	297
ES-P10-C1	47	03/11/09	56192	315
ES-R09-A1	18	03/12/09	56245	333
ES-N06-C0	48	03/17/09	56337	345
ES-T09-B1	18	03/17/09	56337	352

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

For all Surrogate Measurements	
Mean Recovery	77.0
Median	76.0
Mode	73.0
Standard Deviation	13.1
Minimum	18

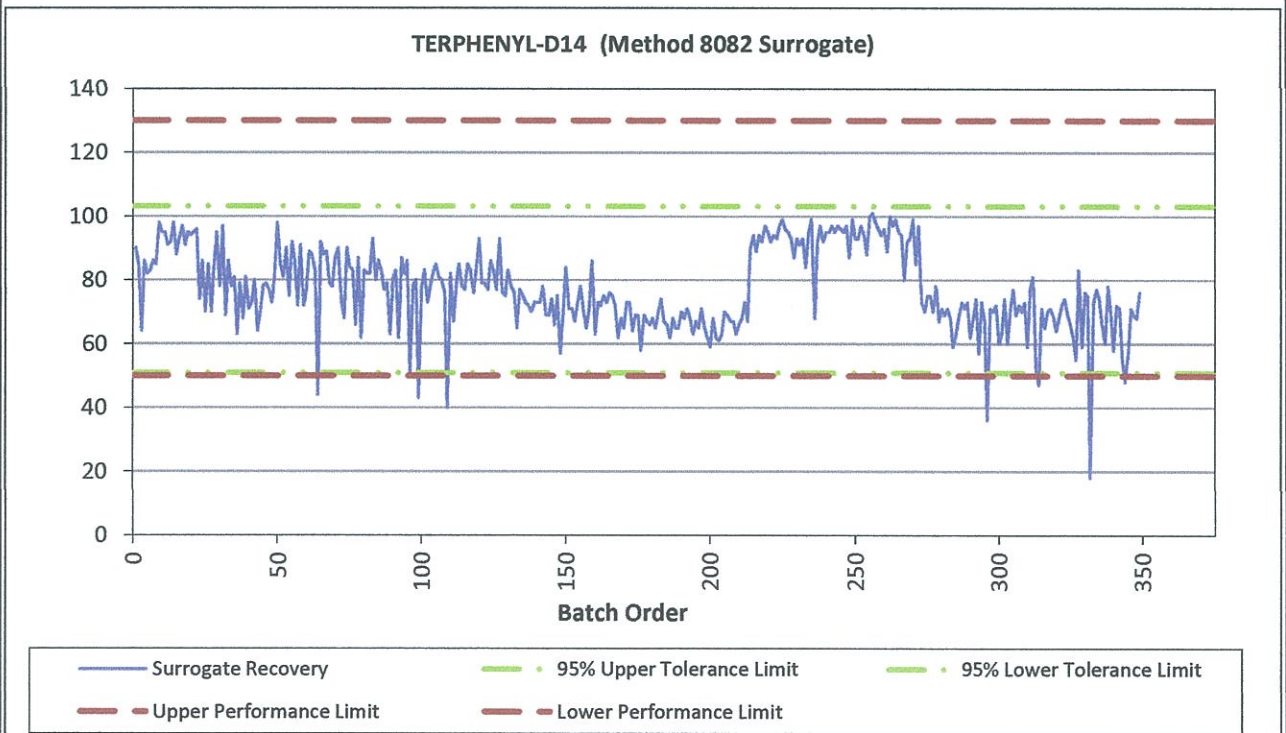
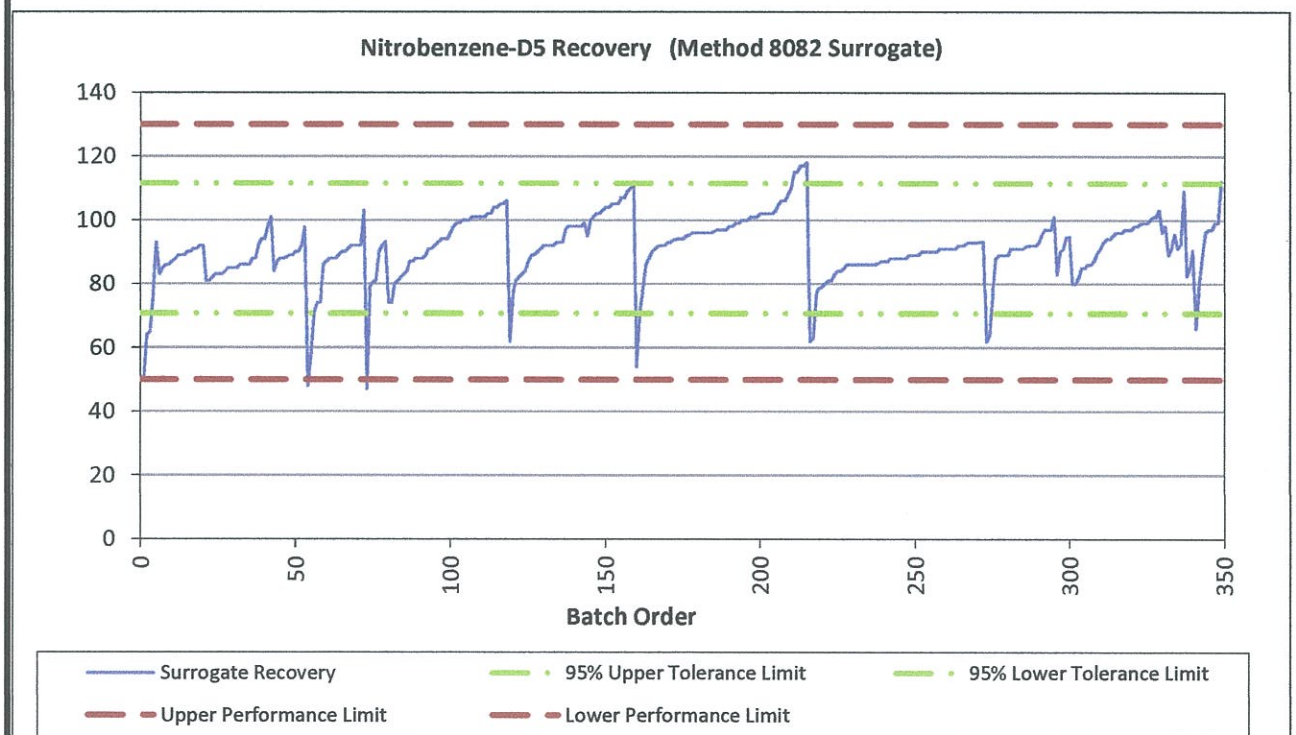


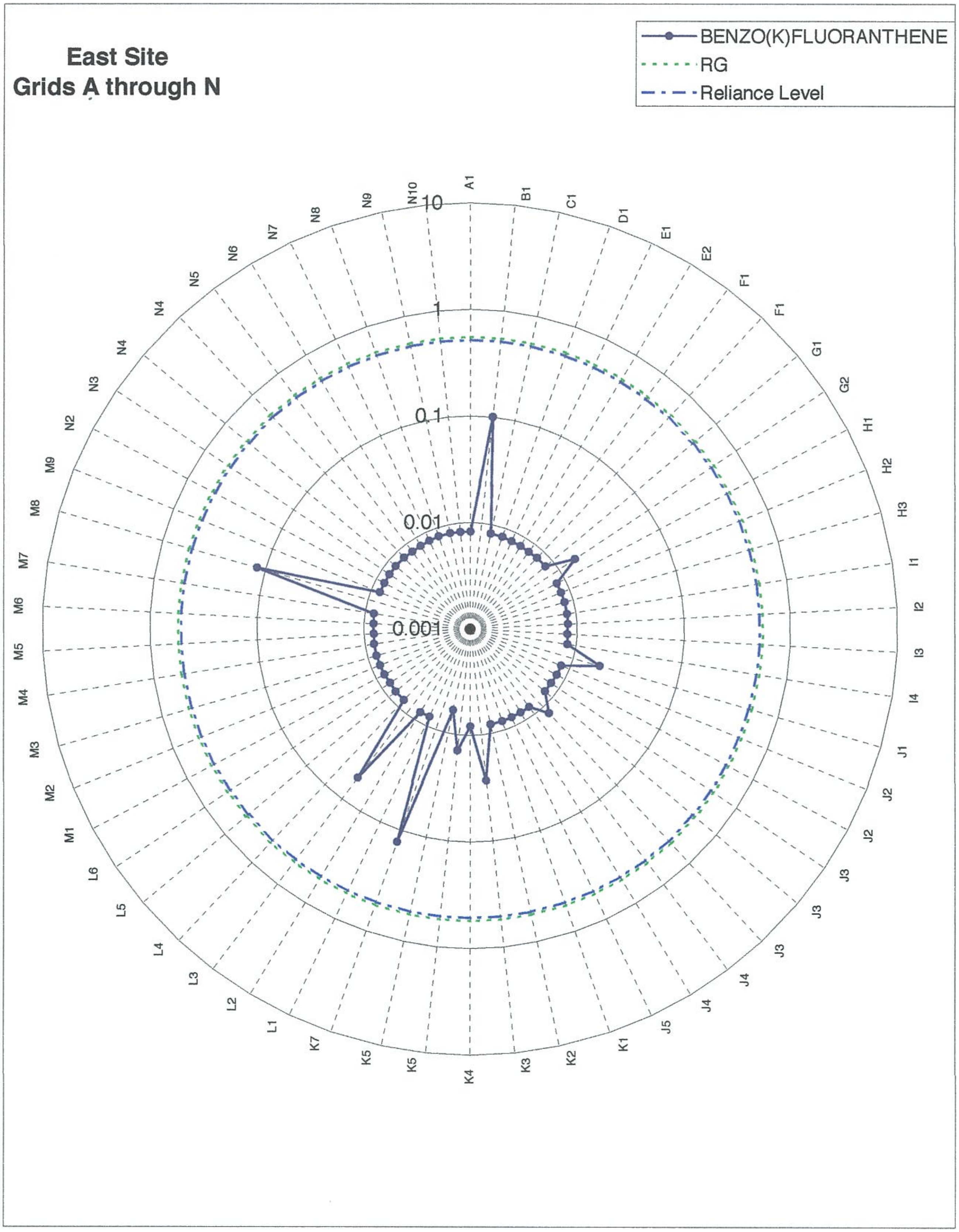
Table Benzo(k)fluoranthene-8: Method 8270CA Surrogate (Nitrobenzene-D5) Recoveries

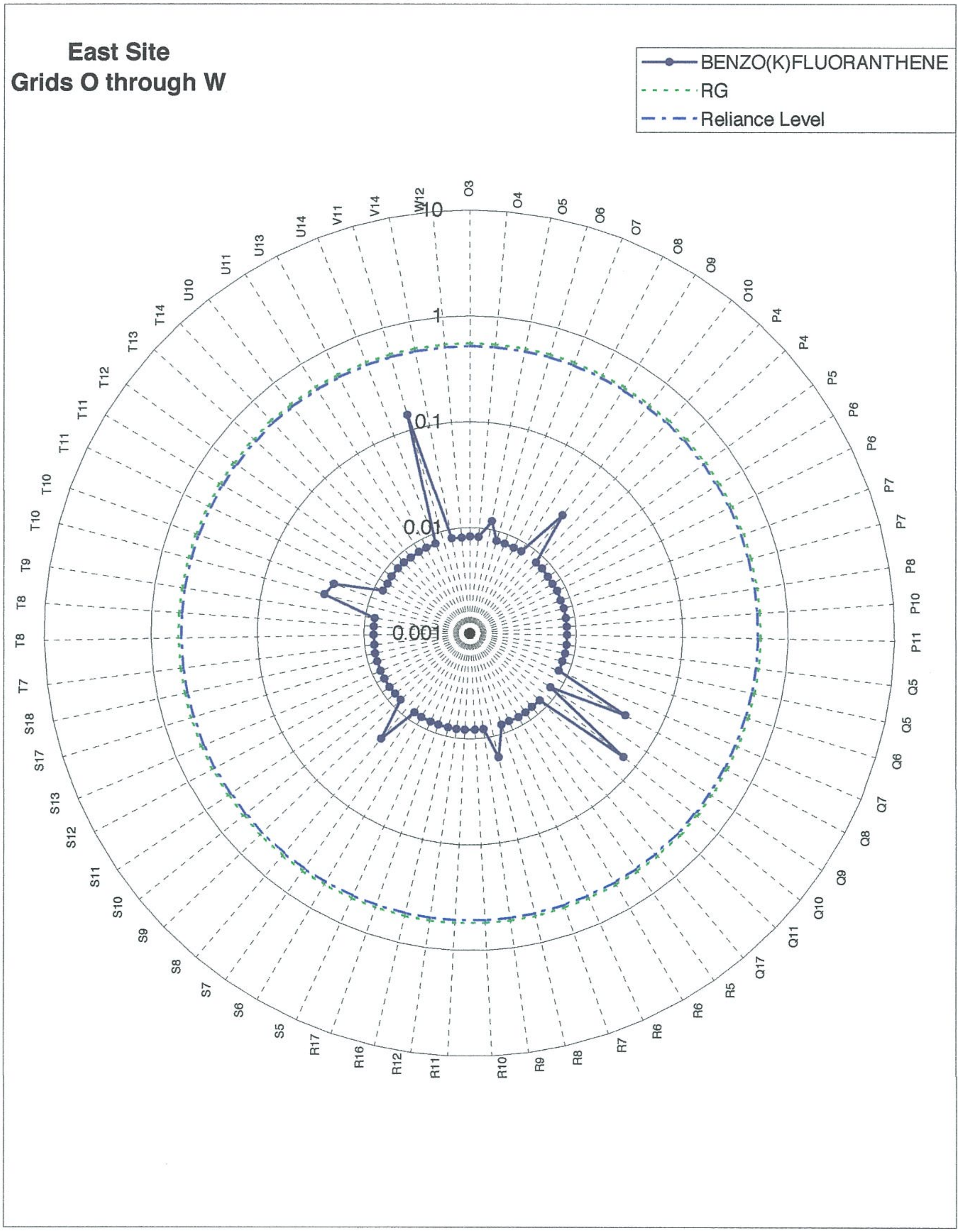
Sample	Recovery	Date	Batch	Order
A7E090000050C	51	39216	7129050	2
BK-102-070430N	64	39216	7129050	3
BK-101-070430N	65	39216	7129050	4
ES-O04-080515	48	39602	50226	55
ES-I02-080514	58	39602	50226	56
ES-P07-080519	47	39603	50226	74
ES-O07-080530	62	39612	50461	120
ES-R16-080605	112	39625	50603	160
ES-U13-080610	54	39626	50810	161
ES-Z10-080602 B	115	39626	50837	212
BOR 94	115	39626	50837	213
ES-Z05-080519 B	117	39626	50837	214
BOR SAMPLES 76,79,82	117	39626	50837	215
ES-Z11-080605 B	118	39626	50837	216
WS-E05-080613	62	39638	50838	217
WS-J04-080617	63	39638	50949	218
ES-K02-080602 B	62	39639	51068	274
BOR 510	64	39639	51067	275
WS-D04-090319	66	39909	56714	342
BOR-702	112	39909	56714	350

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

For all Surrogate Measurements	
Mean Recovery	91.1
Median	91
Mode	91
Standard Deviation	10.2
Minimum	47




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


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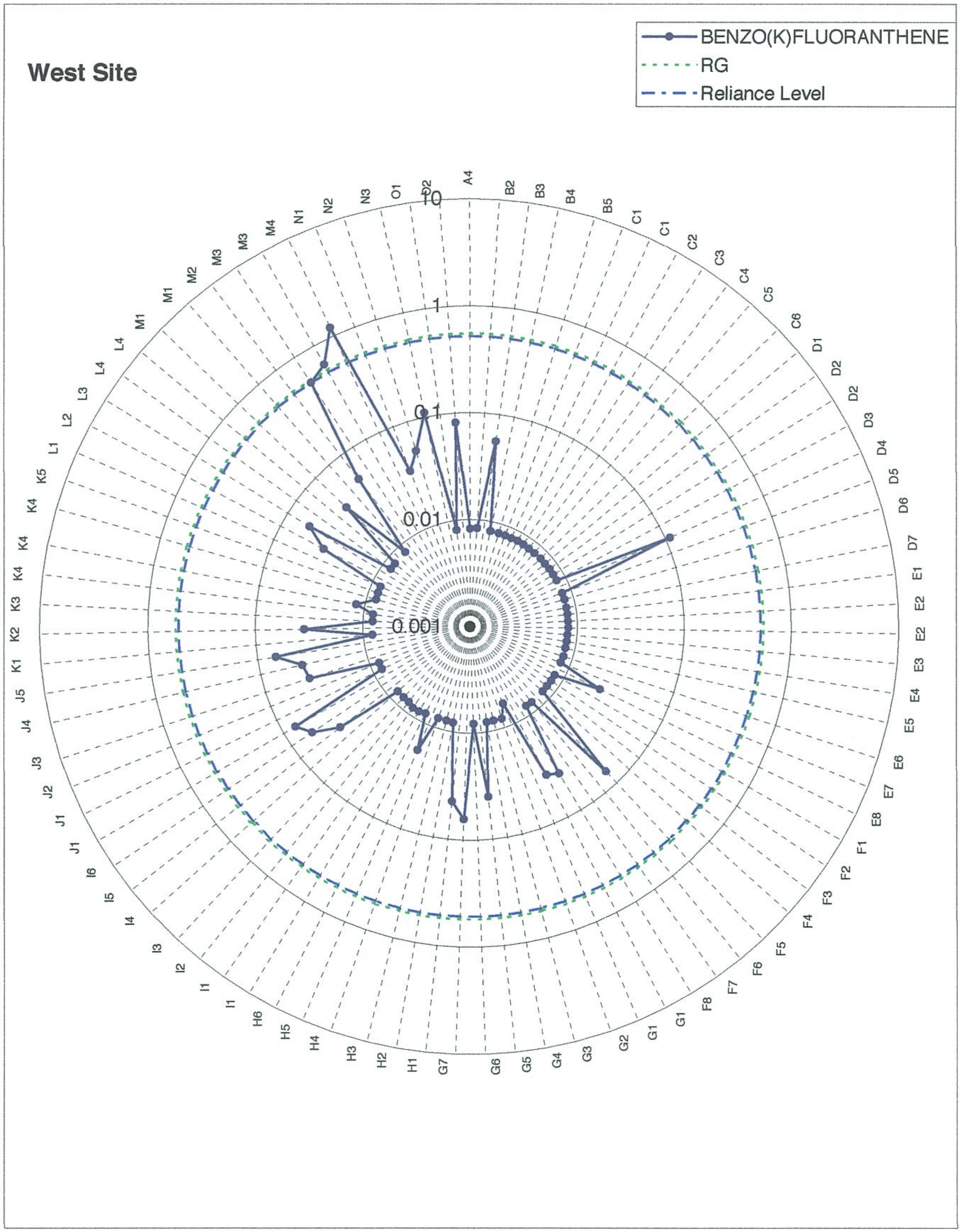
U14
V11
V14
W12



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

BENZO(K)FLUORANTHENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	A1	ES-A01-080623	BENZO(K)FLUORANTHENE	0.0082	07/21/08	51148	N	ES-A01-080623
East	B1	ES-B01-080623	BENZO(K)FLUORANTHENE	0.1000	07/21/08	51148	Y	ES-B01-080623
East	C1	ES-C01-080624	BENZO(K)FLUORANTHENE	0.0082	07/21/08	51148	N	ES-C01-080624
East	D1	ES-D01-080624	BENZO(K)FLUORANTHENE	0.0082	07/21/08	51148	N	ES-D01-080624
East	E1	ES-E01-080528	BENZO(K)FLUORANTHENE	0.0081	06/05/08	50282	N	ES-E01-080528
East	E2	ES-E02-080611	BENZO(K)FLUORANTHENE	0.0081	07/25/08	51406	N	ES-E02-080611
East	F1	ES-F01-080529	BENZO(K)FLUORANTHENE	0.0081	06/23/08	50534	N	ES-F01-080529
East	F1	ES-F01-080529	BENZO(K)FLUORANTHENE	0.0082	07/25/08	51406	N	DUP-17
East	G1	ES-G01-080529	BENZO(K)FLUORANTHENE	0.0082	06/23/08	50534	N	ES-G01-080529
East	G2	ES-G02-080605	BENZO(K)FLUORANTHENE	0.0150	06/20/08	50635	Y	ES-G02-080605
East	H1	ES-H01-080528	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	ES-H01-080528
East	H2	ES-H02-080515	BENZO(K)FLUORANTHENE	0.0082	06/02/08	50169	N	ES-H02-080515
East	H3	ES-H03-080605	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-H03-080605
East	I1	ES-I01-080529	BENZO(K)FLUORANTHENE	0.0082	06/23/08	50534	N	ES-I01-080529
East	I2	ES-I02-080514	BENZO(K)FLUORANTHENE	0.0082	06/02/08	50169	N	ES-I02-080514
East	I3	ES-I03-080513	BENZO(K)FLUORANTHENE	0.0081	06/02/08	50169	N	ES-I03-080513
East	I4	ES-I04-080602	BENZO(K)FLUORANTHENE	0.0082	06/23/08	50534	N	ES-I04-080602
East	J1	ES-J01-080529	BENZO(K)FLUORANTHENE	0.0180	06/23/08	50534	Y	ES-J01-080529
East	J2	ES-J02-080527	BENZO(K)FLUORANTHENE	0.0082	06/04/08	50262	N	ES-J02-080527
East	J2	ES-J02-080527	BENZO(K)FLUORANTHENE	0.0082	06/26/08	50781	N	DUP-15
East	J3	ES-J03-080513	BENZO(K)FLUORANTHENE	0.0081	06/02/08	50169	N	ES-J03-080513
East	J3	ES-J03-080513	BENZO(K)FLUORANTHENE	0.0081	06/20/08	50635	N	DUP-11
East	J3	ES-J03-090323	BENZO(K)FLUORANTHENE	0.0120	04/03/09	56623	Y	ES-J03-090323
East	J4	ES-J04-080530	BENZO(K)FLUORANTHENE	0.0082	06/23/08	50534	N	ES-J04-080530
East	J4	ES-J04-080530	BENZO(K)FLUORANTHENE	0.0082	07/21/08	51148	N	DUP-18
East	J5	ES-J05-080602	BENZO(K)FLUORANTHENE	0.0082	06/23/08	50534	N	ES-J05-080602
East	K1	ES-K01-080602	BENZO(K)FLUORANTHENE	0.0082	06/23/08	50534	N	ES-K01-080602
East	K2	ES-K02-080602	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-K02-080602
East	K3	ES-K03-080514	BENZO(K)FLUORANTHENE	0.0270	06/02/08	50169	Y	ES-K03-080514
East	K4	ES-K04-080527	BENZO(K)FLUORANTHENE	0.0082	06/04/08	50262	N	ES-K04-080527
East	K5	ES-K05-080605	BENZO(K)FLUORANTHENE	0.0140	06/20/08	50635	Y	ES-K05-080605
East	K5	ES-K05-080605	BENZO(K)FLUORANTHENE	0.0060	07/21/08	51148	N	DUP-19
East	K7	ES-K07-080611	BENZO(K)FLUORANTHENE	0.1300	06/26/08	50781	Y	ES-K07-080611
East	L1	ES-L01-080625	BENZO(K)FLUORANTHENE	0.0081	07/17/08	51151	N	ES-L01-080625
East	L2	ES-L02-080625	BENZO(K)FLUORANTHENE	0.0082	07/17/08	51151	N	ES-L02-080625
East	L3	ES-L03-080604	BENZO(K)FLUORANTHENE	0.0560	06/20/08	50635	Y	ES-L03-080604
East	L4	ES-L04-080604	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-L04-080604
East	L5	ES-L05-080620	BENZO(K)FLUORANTHENE	0.0082	07/18/08	51147	N	ES-L05-080620
East	L6	ES-L06-080605	BENZO(K)FLUORANTHENE	0.0081	06/28/08	50807	N	ES-L06-080605
East	M1	ES-M01-080527	BENZO(K)FLUORANTHENE	0.0082	06/04/08	50262	N	ES-M01-080527
East	M2	ES-M02-080519	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	ES-M02-080519
East	M3	ES-M03-080519	BENZO(K)FLUORANTHENE	0.0082	06/03/08	50169	N	ES-M03-080519
East	M4	ES-M04-080515	BENZO(K)FLUORANTHENE	0.0082	06/02/08	50169	N	ES-M04-080515
East	M5	ES-M05-080527	BENZO(K)FLUORANTHENE	0.0081	06/04/08	50262	N	ES-M05-080527
East	M6	ES-M06-080520	BENZO(K)FLUORANTHENE	0.0081	06/05/08	50282	N	ES-M06-080520
East	M7	ES-M07-080612	BENZO(K)FLUORANTHENE	0.0082	07/09/08	51046	N	ES-M07-080612

BENZO(K)FLUORANTHENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_ value	analysis_ date	batch _id	detect _flag	sample_name
East	M8	ES-M08-080610	BENZO(K)FLUORANTHENE	0.1200	06/28/08	50807	Y	ES-M08-080610
East	M9	ES-M09-080611	BENZO(K)FLUORANTHENE	0.0082	06/26/08	50781	Y	ES-M09-080611
East	N2	ES-N02-080528	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50262	N	ES-N02-080528
East	N3	ES-N03-080520	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	ES-N03-080520
East	N4	ES-N04-080519	BENZO(K)FLUORANTHENE	0.0082	06/02/08	50169	N	ES-N04-080519
East	N4	ES-N04-080519	BENZO(K)FLUORANTHENE	0.0082	07/25/08	51406	N	ES-N04-080519
East	N5	ES-N05-080519	BENZO(K)FLUORANTHENE	0.0081	06/02/08	50169	N	ES-N05-080519
East	N6	ES-N06-080527	BENZO(K)FLUORANTHENE	0.0081	06/04/08	50262	N	ES-N06-080527
East	N7	ES-N07-080530	BENZO(K)FLUORANTHENE	0.0082	06/23/08	50534	N	ES-N07-080530
East	N8	ES-N08-080610	BENZO(K)FLUORANTHENE	0.0083	06/28/08	50807	N	ES-N08-080610
East	N9	ES-N09-080610	BENZO(K)FLUORANTHENE	0.0083	06/26/08	50781	N	ES-N09-080610
East	N10	ES-N10-080610	BENZO(K)FLUORANTHENE	0.0082	06/28/08	50807	N	ES-N10-080610
East	O3	ES-O03-080528	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50262	N	ES-O03-080528
East	O4	ES-O04-080515	BENZO(K)FLUORANTHENE	0.0082	06/02/08	50169	N	ES-O04-080515
East	O5	ES-O05-080520	BENZO(K)FLUORANTHENE	0.0120	06/05/08	50282	Y	ES-O05-080520
East	O6	ES-O06-080529	BENZO(K)FLUORANTHENE	0.0081	06/23/08	50534	N	ES-O06-080529
East	O7	ES-O07-080530	BENZO(K)FLUORANTHENE	0.0081	06/23/08	50534	N	ES-O07-080530
East	O8	ES-O08-080530	BENZO(K)FLUORANTHENE	0.0081	06/23/08	50534	N	ES-O08-080530
East	O9	ES-O09-080610	BENZO(K)FLUORANTHENE	0.0082	06/28/08	50807	N	ES-O09-080610
East	O10	ES-O10-080611	BENZO(K)FLUORANTHENE	0.0260	06/26/08	50781	Y	ES-O10-080611
East	P4	ES-P04-080528	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	ES-P04-080528
East	P4	ES-P04-080528	BENZO(K)FLUORANTHENE	0.0082	07/18/08	51147	N	DUP-16
East	P5	ES-P05-080513	BENZO(K)FLUORANTHENE	0.0081	06/02/08	50169	N	ES-P05-080513
East	P6	ES-P06-080515	BENZO(K)FLUORANTHENE	0.0081	06/02/08	50169	N	ES-P06-080515
East	P6	ES-P06-080515	BENZO(K)FLUORANTHENE	0.0082	06/28/08	50807	N	DUP-12
East	P7	ES-P07-080519	BENZO(K)FLUORANTHENE	0.0081	06/11/08	50403	N	ES-P07-080519
East	P7	ES-P07-080519	BENZO(K)FLUORANTHENE	0.0082	07/25/08	51406	N	ES-P07-080519
East	P8	ES-P08-080530	BENZO(K)FLUORANTHENE	0.0082	06/23/08	50534	N	ES-P08-080530
East	P10	ES-P10-080606	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-P10-080606
East	P11	ES-P11-080606	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-P11-080606
East	Q5	ES-Q05-080520	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	ES-Q05-080520
East	Q5	ES-Q05-080520	BENZO(K)FLUORANTHENE	0.0082	07/25/08	51406	N	ES-Q05-080520
East	Q6	ES-Q06-080520	BENZO(K)FLUORANTHENE	0.0081	06/05/08	50282	N	ES-Q06-080520
East	Q7	ES-Q07-080519	BENZO(K)FLUORANTHENE	0.0081	06/03/08	50169	N	ES-Q07-080519
East	Q8	ES-Q08-080519	BENZO(K)FLUORANTHENE	0.0450	06/03/08	50169	Y	ES-Q08-080519
East	Q9	ES-Q09-080612	BENZO(K)FLUORANTHENE	0.0082	06/26/08	50781	N	ES-Q09-080612
East	Q10	ES-Q10-080606	BENZO(K)FLUORANTHENE	0.0720	06/20/08	50635	Y	ES-Q10-080606
East	Q11	ES-Q11-080606	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-Q11-080606
East	Q17	ES-Q17-080609	BENZO(K)FLUORANTHENE	0.0081	06/28/08	50807	N	ES-Q17-080609
East	R5	ES-R05-080521	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	ES-R05-080521
East	R6	ES-R06-080521	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	ES-R06-080521
East	R6	ES-R06-080521	BENZO(K)FLUORANTHENE	0.0081	07/25/08	51406	N	ES-R06-080521
East	R7	ES-R07-080521	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	ES-R07-080521
East	R8	ES-R08-080519	BENZO(K)FLUORANTHENE	0.0160	06/05/08	50282	Y	ES-R08-080519
East	R9	ES-R09-080520	BENZO(K)FLUORANTHENE	0.0082	06/11/08	50403	N	ES-R09-080520
East	R10	ES-R10-080602	BENZO(K)FLUORANTHENE	0.0082	06/23/08	50534	N	ES-R10-080602

BENZO(K)FLUORANTHENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_ value	analysis_ date	batch _id	detect _flag	sample_name
East	R11	ES-R11-080605	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-R11-080605
East	R12	ES-R12-080611	BENZO(K)FLUORANTHENE	0.0082	06/26/08	50781	N	ES-R12-080611
East	R16	ES-R16-080605	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-R16-080605
East	R17	ES-R17-080606	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-R17-080606
East	S5	ES-S05-080521	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	ES-S05-080521
East	S6	ES-S06-080521	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	ES-S06-080521
East	S7	ES-S07-080521	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	ES-S07-080521
East	S8	ES-S08-080522	BENZO(K)FLUORANTHENE	0.0200	06/04/08	50262	Y	ES-S08-080522
East	S9	ES-S09-080522	BENZO(K)FLUORANTHENE	0.0081	06/04/08	50262	N	ES-S09-080522
East	S10	ES-S10-080523	BENZO(K)FLUORANTHENE	0.0081	06/04/08	50262	N	ES-S10-080523
East	S11	ES-S11-080528	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50262	N	ES-S11-080528
East	S12	ES-S12-080609	BENZO(K)FLUORANTHENE	0.0082	06/28/08	50807	N	ES-S12-080609
East	S13	ES-S13-080610	BENZO(K)FLUORANTHENE	0.0082	06/28/08	50807	N	ES-S13-080610
East	S17	ES-S17-080606	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-S17-080606
East	S18	ES-S18-080606	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-S18-080606
East	T7	ES-T07-080612	BENZO(K)FLUORANTHENE	0.0081	06/26/08	50781	N	ES-T07-080612
East	T8	ES-T08-080522	BENZO(K)FLUORANTHENE	0.0081	06/04/08	50262	N	ES-T08-080522
East	T8	ES-T08-080522	BENZO(K)FLUORANTHENE	0.0081	06/28/08	50807	N	DUP-13
East	T9	ES-T09-080522	BENZO(K)FLUORANTHENE	0.0081	06/04/08	50262	N	ES-T09-080522
East	T10	ES-T10-080523	BENZO(K)FLUORANTHENE	0.0260	06/04/08	50262	Y	ES-T10-080523
East	T10	ES-T10-080523	BENZO(K)FLUORANTHENE	0.0230	07/09/08	51046	Y	DUP-14
East	T11	ES-T11-080530	BENZO(K)FLUORANTHENE	0.0082	06/23/08	50534	N	ES-T11-080530
East	T11	ES-T11-080530	BENZO(K)FLUORANTHENE	0.0081	07/25/08	51406	N	ES-T11-080530
East	T12	ES-T12-080609	BENZO(K)FLUORANTHENE	0.0082	06/28/08	50807	N	ES-T12-080609
East	T13	ES-T13-080609	BENZO(K)FLUORANTHENE	0.0082	06/28/08	50807	N	ES-T13-080609
East	T14	ES-T14-080610	BENZO(K)FLUORANTHENE	0.0082	06/28/08	50807	N	ES-T14-080610
East	U10	ES-U10-080523	BENZO(K)FLUORANTHENE	0.0081	06/04/08	50262	N	ES-U10-080523
East	U11	ES-U11-080602	BENZO(K)FLUORANTHENE	0.0081	06/20/08	50635	N	ES-U11-080602
East	U13	ES-U13-080610	BENZO(K)FLUORANTHENE	0.0081	06/28/08	50807	N	ES-U13-080610
East	U14	ES-U14-080610	BENZO(K)FLUORANTHENE	0.0081	06/28/08	50807	N	ES-U14-080610
East	V11	ES-V11-080529	BENZO(K)FLUORANTHENE	0.1400	06/23/08	50534	Y	ES-V11-080529
East	V14	ES-V14-080605	BENZO(K)FLUORANTHENE	0.0082	06/20/08	50635	N	ES-V14-080605
East	W12	ES-W12-080527	BENZO(K)FLUORANTHENE	0.0081	06/04/08	50262	N	ES-W12-080527
West	A4	WS-A04-080626	BENZO(K)FLUORANTHENE	0.0082	07/17/08	51151	N	WS-A04-080626
West	B2	WS-B02-080502	BENZO(K)FLUORANTHENE	0.0083	05/29/08	49912	N	WS-B02-080502
West	B3	WS-B03-080502	BENZO(K)FLUORANTHENE	0.0560	05/20/08	49912	Y	WS-B03-080502
West	B4	WS-B04-080626	BENZO(K)FLUORANTHENE	0.0081	07/17/08	51151	N	WS-B04-080626
West	B5	WS-B05-080626	BENZO(K)FLUORANTHENE	0.0081	07/17/08	51151	N	WS-B05-080626
West	C1	WS-C01-080501	BENZO(K)FLUORANTHENE	0.0081	05/15/08	49841	N	WS-C01-080501
West	C1	WS-C01-080501	BENZO(K)FLUORANTHENE	0.0081	05/30/08	50159	N	DUP-3
West	C2	WS-C02-080428	BENZO(K)FLUORANTHENE	0.0082	05/15/08	49841	N	WS-C02-080428
West	C3	WS-C03-080620	BENZO(K)FLUORANTHENE	0.0082	07/18/08	51147	N	WS-C03-080620
West	C4	WS-C04-080623	BENZO(K)FLUORANTHENE	0.0081	07/21/08	51148	N	WS-C04-080623
West	C5	WS-C05-080620	BENZO(K)FLUORANTHENE	0.0081	07/09/08	51046	N	WS-C05-080620
West	C6	WS-C06-080624	BENZO(K)FLUORANTHENE	0.0082	07/21/08	51148	N	WS-C06-080624
West	D1	WS-D01-080430	BENZO(K)FLUORANTHENE	0.0081	05/15/08	49841	N	WS-D01-080430

BENZO(K)FLUORANTHENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_ value	analysis_ date	batch _id	detect _flag	sample_name
West	D2	WS-D02-080429	BENZO(K)FLUORANTHENE	0.0082	05/15/08	49841	N	DUP-2
West	D2	WS-D02-080429	BENZO(K)FLUORANTHENE	0.0082	05/15/08	49841	N	WS-D02-080429
West	D3	WS-D03-080620	BENZO(K)FLUORANTHENE	0.0082	07/18/08	51147	N	WS-D03-080620
West	D4	WS-D04-080623	BENZO(K)FLUORANTHENE	0.1100	07/17/08	51151	Y	WS-D04-080623
West	D5	WS-D05-080620	BENZO(K)FLUORANTHENE	0.0082	07/18/08	51147	N	WS-D05-080620
West	D6	WS-D06-080619	BENZO(K)FLUORANTHENE	0.0082	07/18/08	51147	N	WS-D06-080619
West	D7	WS-D07-080619	BENZO(K)FLUORANTHENE	0.0082	07/18/08	51147	N	WS-D07-080619
West	E1	WS-E01-080430	BENZO(K)FLUORANTHENE	0.0082	05/15/08	49841	N	WS-E01-080430
West	E2	WS-E02-080428	BENZO(K)FLUORANTHENE	0.0082	05/15/08	49841	N	DUP-1
West	E2	WS-E02-080428	BENZO(K)FLUORANTHENE	0.0082	05/15/08	49841	N	WS-E02-080428
West	E3	WS-E03-080619	BENZO(K)FLUORANTHENE	0.0081	07/18/08	51147	N	WS-E03-080619
West	E4	WS-E04-080613	BENZO(K)FLUORANTHENE	0.0081	07/09/08	51044	N	WS-E04-080613
West	E5	WS-E05-080613	BENZO(K)FLUORANTHENE	0.0081	06/26/08	50781	N	WS-E05-080613
West	E6	WS-E06-080613	BENZO(K)FLUORANTHENE	0.0082	07/17/08	51151	N	WS-E06-080613
West	E7	WS-E07-080613	BENZO(K)FLUORANTHENE	0.0081	07/09/08	51044	N	WS-E07-080613
West	E8	WS-E08-080616	BENZO(K)FLUORANTHENE	0.0220	07/09/08	51044	Y	WS-E08-080616
West	F1	WS-F01-080429	BENZO(K)FLUORANTHENE	0.0081	05/15/08	49841	N	WS-F01-080429
West	F2	WS-F02-080429	BENZO(K)FLUORANTHENE	0.0081	05/15/08	49841	N	WS-F02-080429
West	F3	WS-F03-080619	BENZO(K)FLUORANTHENE	0.0081	07/18/08	51147	N	WS-F03-080619
West	F4	WS-F04-080616	BENZO(K)FLUORANTHENE	0.0081	07/09/08	51044	N	WS-F04-080616
West	F5	WS-F05-080612	BENZO(K)FLUORANTHENE	0.0710	07/09/08	51044	Y	WS-F05-080612
West	F6	WS-F06-080612	BENZO(K)FLUORANTHENE	0.0082	07/09/08	51044	N	WS-F06-080612
West	F7	WS-F07-080617	BENZO(K)FLUORANTHENE	0.0081	07/09/08	51044	N	WS-F07-080617
West	F8	WS-F08-080618	BENZO(K)FLUORANTHENE	0.0400	07/18/08	51147	Y	WS-F08-080618
West	G1	WS-G01-080501	BENZO(K)FLUORANTHENE	0.0360	05/15/08	49841	Y	WS-G01-080501
West	G1	WS-G01-080501	BENZO(K)FLUORANTHENE	0.0061	05/30/08	50159	N	DUP-4
West	G2	WS-G02-080618	BENZO(K)FLUORANTHENE	0.0082	07/18/08	51147	N	WS-G02-080618
West	G3	WS-G03-080619	BENZO(K)FLUORANTHENE	0.0081	07/18/08	51147	N	WS-G03-080619
West	G4	WS-G04-080616	BENZO(K)FLUORANTHENE	0.0081	07/09/08	51044	N	WS-G04-080616
West	G5	WS-G05-080613	BENZO(K)FLUORANTHENE	0.0400	06/26/08	50781	Y	WS-G05-080613
West	G6	WS-G06-080616	BENZO(K)FLUORANTHENE	0.0082	07/09/08	51044	N	WS-G06-080616
West	G7	WS-G07-080617	BENZO(K)FLUORANTHENE	0.0640	07/09/08	51044	Y	WS-G07-080617
West	H1	WS-H01-080501	BENZO(K)FLUORANTHENE	0.0440	05/20/08	49912	Y	WS-H01-080501
West	H2	WS-H02-080618	BENZO(K)FLUORANTHENE	0.0082	07/18/08	51147	N	WS-H02-080618
West	H3	WS-H03-080619	BENZO(K)FLUORANTHENE	0.0081	07/18/08	51147	N	WS-H03-080619
West	H4	WS-H04-080616	BENZO(K)FLUORANTHENE	0.0081	07/09/08	51044	N	WS-H04-080616
West	H5	WS-H05-080613	BENZO(K)FLUORANTHENE	0.0180	07/09/08	51044	Y	WS-H05-080613
West	H6	WS-H06-080617	BENZO(K)FLUORANTHENE	0.0082	07/09/08	51044	N	WS-H06-080617
West	I1	WS-I01-080501	BENZO(K)FLUORANTHENE	0.0085	05/29/08	49912	N	WS-I01-080501
West	I1	WS-I01-080501	BENZO(K)FLUORANTHENE	0.0085	05/30/08	50159	N	DUP-5
West	I2	WS-I02-080618	BENZO(K)FLUORANTHENE	0.0081	07/18/08	51147	N	WS-I02-080618
West	I3	WS-I03-080618	BENZO(K)FLUORANTHENE	0.0081	07/18/08	51147	N	WS-I03-080618
West	I4	WS-I04-080617	BENZO(K)FLUORANTHENE	0.0081	07/09/08	51044	N	WS-I04-080617
West	I5	WS-I05-080617	BENZO(K)FLUORANTHENE	0.0340	07/09/08	51044	Y	WS-I05-080617
West	I6	WS-I06-080617	BENZO(K)FLUORANTHENE	0.0590	07/09/08	51044	Y	WS-I06-080617
West	J1	WS-J01-080505	BENZO(K)FLUORANTHENE	0.0750	05/29/08	49912	Y	WS-J01-080505

BENZO(K)FLUORANTHENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	J1	WS-J01-080505	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	DUP-6
West	J2	WS-J02-080624	BENZO(K)FLUORANTHENE	0.0082	07/21/08	51148	N	WS-J02-080624
West	J3	WS-J03-080620	BENZO(K)FLUORANTHENE	0.0370	07/09/08	51046	Y	WS-J03-080620
West	J4	WS-J04-080617	BENZO(K)FLUORANTHENE	0.0400	07/09/08	51044	Y	WS-J04-080617
West	J5	WS-J05-080618	BENZO(K)FLUORANTHENE	0.0670	07/18/08	51147	Y	WS-J05-080618
West	K1	WS-K01-080505	BENZO(K)FLUORANTHENE	0.0082	05/28/08	49912	N	WS-K01-080505
West	K2	WS-K02-080509	BENZO(K)FLUORANTHENE	0.0350	06/02/08	50169	N	WS-K02-080509
West	K3	WS-K03-080509	BENZO(K)FLUORANTHENE	0.0081	06/02/08	50169	N	WS-K03-080509
West	K4	WS-K04-080513	BENZO(K)FLUORANTHENE	0.0081	06/02/08	50169	N	WS-K04-080513
West	K4	WS-K04-080513	BENZO(K)FLUORANTHENE	0.0120	06/23/08	50534	Y	DUP-10
West	K4	WS-K04-080513	BENZO(K)FLUORANTHENE	0.0081	07/25/08	51406	N	WS-K04-080513
West	K5	WS-K05-080509	BENZO(K)FLUORANTHENE	0.0082	05/30/08	50159	N	WS-K05-080509
West	L1	WS-L01-080505	BENZO(K)FLUORANTHENE	0.0082	05/28/08	49912	N	WS-L01-080505
West	L2	WS-L02-080508	BENZO(K)FLUORANTHENE	0.0350	05/20/08	49912	Y	WS-L02-080508
West	L3	WS-L03-080508	BENZO(K)FLUORANTHENE	0.0580	05/20/08	49912	Y	WS-L03-080508
West	L4	WS-L04-080508	BENZO(K)FLUORANTHENE	0.0082	05/20/08	49912	N	WS-L04-080508
West	L4	WS-L04-080508	BENZO(K)FLUORANTHENE	0.0082	06/05/08	50282	N	DUP-9
West	M1	WS-M01-080505	BENZO(K)FLUORANTHENE	0.0400	05/29/08	49912	Y	WS-M01-080505
West	M1	WS-M01-080505	BENZO(K)FLUORANTHENE	0.0083	05/30/08	50159	N	DUP-7
West	M2	WS-M02-080507	BENZO(K)FLUORANTHENE	0.0530	05/29/08	49912	Y	WS-M02-080507
West	M3	WS-M03-080507	BENZO(K)FLUORANTHENE	0.5200	05/29/08	49912	Y	WS-M03-080507
West	M3	WS-M03-080507	BENZO(K)FLUORANTHENE	0.6300	06/05/08	50262	Y	DUP-8
West	M4	WS-M04-080507	BENZO(K)FLUORANTHENE	1.2000	06/04/08	49912	Y	WS-M04-080507
West	N1	WS-N01-080506	BENZO(K)FLUORANTHENE	0.0360	05/29/08	49912	Y	WS-N01-080506
West	N2	WS-N02-080506	BENZO(K)FLUORANTHENE	0.0520	05/20/08	49912	Y	WS-N02-080506
West	N3	WS-N03-080507	BENZO(K)FLUORANTHENE	0.1100	05/20/08	49912	Y	WS-N03-080507
West	O1	WS-O01-080506	BENZO(K)FLUORANTHENE	0.0081	05/28/08	49912	N	WS-O01-080506
West	O2	WS-O02-080506	BENZO(K)FLUORANTHENE	0.0810	05/29/08	49912	Y	WS-O02-080506

Table bis(2-ethylhexl)phthalate-1: bis(2-ethylhexyl)phthalate Data Quality Summary			
Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	69%	
Minimum Matrix Spike Recovery	greater than 35%	68%	
Minimum Surrogate Recovery	greater than 50%	18%	Terphenyl-D14
Average LCS Recovery	N/A	86%	
Average Matrix Spike Recovery	N/A	84%	
Average Surrogate Recovery	N/A	77%	Terphenyl-D14
Maximum MSD RPD	less than 35%	19%	
Average MSD RPD	N/A	7%	
Measurement Quality Objectives	Critera	Measured	
NPS CRM	Recovery greater than 0.434	Minimum Recovery =	0.800 mg/kg
EQIS CRM	None provided		
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	86 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	37 %
Overall QC Indicator Measurements	Criteria	Measured	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	108.0 %
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	0.52 mg/kg	See Note 1	

Comments: Surrogate recoveries and minimum LCS recovery (69%) are generally low, indicating a bias favoring low measurements. Low minimum and low average matrix spike recoveries (68% and 84% respectively) also indicate a potential bias favoring low measurements. An average recovery of the NPS CRM (108%) indicates a measurement bias favoring high measurements, however, the data set is relatively small. Maximum CRM split analyses RPD (75%) and a maximum CVS split analysis RPD (86%) indicate imprecision. The derived reliance level is less than the RG (0.55 mg/kg) due primarily to measurement imprecision. Only one grid, West Site C2, has a CVS-measured concentration for bis(2-ethyhexyl)phthalate that exceeds the derived reliance level and does not also exceed the RG. Otherwise, no CVS samples exhibit concentrations above the derived reliance level that did not also exceed the RG. Therefore, confidence in decisions regarding achievement of the bis(2-ethyhexyl)phthalate RG is not expected to be compromised by data quality problems except possibly for West Site grid C2. No semi-volatile organic compounds were detected in West Site grid C2 other than bis(2-ethyhexyl)phthalate, and bis(2-ethyhexyl)phthalate is a common laboratory contaminant. Considering the possibility that the elevated reading is due to contamination inadvertently introduced during sampling and testing and the close proximity of the WS-C2 concentration (0.53) to the derived reliance level (0.52), it is concluded that the compromise in confidence related to decisionmaking for this grid is small. Therefore, it is concluded that the bis(2-ethyhexyl)phthalate CVS measurements are of acceptable quality and may be used to determine RG achievement.

Note 1: The standard deviation of NPS CRM split analyses (0.230 mg/kg) is used to represent measurement imprecision near the RG and is used with an estimate of bias from NPS CRMs (average recovery = 108%) to calculate the derived reliance level (0.52 mg/kg).
Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.55)(1.2)(1.08)-(0.84)(0.2305) =0.52 mg/kg

Table bis(2-ethylhexl)phthalate-2: bis(2-ethylhexyl)phthalate - 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	0.84	7/9/08	51046	Y
BOR 103,97,100,106	1.2	7/21/08	51148	Y
BOR 104	1.3	7/21/08	51148	Y

CRMs		Vendor Supplied Information
Mean	1.068	*Made to*
Standard Error	0.10307	*0.989 mg/kg*
Median	1.2	
Standard Deviation	0.230	*Upper Acceptance Limit*
Sample Variance	0.053	*1.16 mg/kg*
Kurtosis	-2.97	
Skewness	-0.48	*Lower Acceptance Limit*
Range	0.500	*0.434 mg/kg*
Minimum	0.800	
Maximum	1.300	
Sum	5.340	
Count	5	
Largest(2)	1.200	
Smallest(2)	0.840	

Table bis(2-ethylhexl)phthalate-3: bis(2-ethylhexyl)phthalate NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 501	0.21	6/4/08	50262	WS-L04-080508	0.2	6/5/2008	5
BOR 500	0.24	6/11/08	50403	WS-F01-080429	0.34	5/15/2008	34
BOR 505	0.19	6/23/08	50534	WS-K03-080509	0.2	6/2/2008	5
BOR 504	0.11	6/26/08	50781	ES-M05-080527	0.085	6/4/2008	26
BOR 506	0.1	6/26/08	50781	ES-S10-080523	0.097	6/4/2008	3
BOR 502	0.056	7/21/08	51148	WS-F05-080612	0.038	7/9/2008	38
BOR 507	0.076	7/21/08	51148	ES-O09-080610	0.045	6/28/2008	51
BOR 508	0.089	7/21/08	51148	ES-Q11-080606	0.065	6/20/2008	31
BOR 509	$\boxed{0.027}$	7/21/08	51148	WS-E06-080613	0.053	7/17/2008	65
BOR 510	0.064	7/21/08	51148	OU-8HR-080605	0.068	6/20/2008	6
DUP-1	0.3	5/15/08	49841	WS-E02-080428	0.33	5/15/2008	10
DUP-2	0.3	5/15/08	49841	WS-D02-080429	0.33	5/15/2008	10
DUP-3	0.2	5/30/08	50159	WS-C01-080501	0.3	5/15/2008	40
DUP-4	0.18	5/30/08	50159	WS-G01-080501	0.3	5/15/2008	50
DUP-5	0.085	5/30/08	50159	WS-I01-080501	0.1	5/29/2008	16
DUP-7	0.25	5/30/08	50159	WS-M01-080505	0.22	5/29/2008	13
DUP-6	0.26	6/5/08	50282	WS-J01-080505	0.26	5/29/2008	0
DUP-8	0.22	6/5/08	50262	WS-M03-080507	0.15	5/29/2008	38
DUP-9	0.2	6/5/08	50282	WS-L04-080508	0.2	6/5/2008	0
DUP-11	0.62	6/20/08	50635	ES-J03-080513	0.69	6/2/2008	11
DUP-10	0.19	6/23/08	50534	WS-K04-080513	0.24	6/2/2008	23
DUP-15	0.094	6/26/08	50781	ES-J02-080527	0.12	6/4/2008	24
DUP-12	0.2	6/28/08	50807	ES-P06-080515	0.27	6/2/2008	30
DUP-13	0.087	6/28/08	50807	ES-T08-080522	0.14	6/4/2008	47
DUP-14	0.12	7/9/08	51046	ES-T10-080523	0.11	6/4/2008	9
DUP-16	0.12	7/18/08	51147	ES-P04-080528	0.094	6/5/2008	24
DUP-18	0.25	7/21/08	51148	ES-J04-080530	0.1	6/23/2008	86
DUP-19	0.077	7/21/08	51148	ES-K05-080605	0.086	6/20/2008	11
DUP-17	0.15	7/25/08	51406	ES-F01-080529	0.12	6/23/2008	22

$\boxed{}$ Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	25.1
Standard Error	3.9
Median	23.3
Standard Deviation	20.8
Sample Variance	430.8
Kurtosis	1.2
Skewness	1.1
Range	85.7
Minimum	0.0
Maximum	85.7
Sum	727.5
Count	29.0
Largest(2)	65.0
Smallest(2)	0.0

Table bis(2-ethylhexl)phthalate-4: bis(2-ethylhexyl)phthalate EQIS CRMs						
Results of Duplicate Analysis of EQIS CRMs						
Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	1.2	5/20/08	49912	Y		
ES-Z05-080519	1.2	5/30/08	50159	Y	1.20	0
ES-Z06-080520	1.3	5/30/08	50159	Y		
ES-Z07-080522	1.2	5/30/08	50159	Y	1.25	8
ES-Z08-080527	1.2	6/5/08	50262	Y		
ES-Z09-080529	1.1	6/5/08	50282	Y	1.15	9
ES-Z11-080605	1.1	6/20/08	50635	Y		
ES-Z10-080602	1.1	6/23/08	50534	Y	1.10	0
ES-Z14-080611 A	1.1	6/26/08	50781	Y		
ES-Z14-080611 B	1.3	6/26/08	50781	Y	1.20	17
WS-Z15-080613 A	1.1	6/26/08	50781	Y		
WS-Z15-080613 B	1.2	6/26/08	50781	Y	1.15	9
ES-Z12-080606-A	1.1	6/28/08	50807	Y		
ES-Z12-080606-B	1	6/28/08	50807	Y	1.05	10
ES-Z13-080610 A	0.99	6/28/08	50807	Y		
ES-Z13-080610 B	0.93	6/28/08	50807	Y	0.96	6
ES-Z11-080605 B	1	7/9/08	51044	Y		
WS-Z16-080617-A	0.99	7/9/08	51044	Y	1.00	1
WS-Z16-080617-B	1	7/9/08	51044	Y		
WS-Z18-080620 A	1.1	7/9/08	51046	Y	1.05	10
WS-Z18-080620 B	0.96	7/9/08	51046	Y		
ES-Z05-080519 B	1.4	7/17/08	50786	Y	1.18	37
ES-Z06-080520 B	1.4	7/17/08	50786	Y		
ES-Z08-080527 B	1.3	7/17/08	50786	Y	1.35	7
ES-Z09-080529 B	1.3	7/17/08	50786	Y		
ES-Z10-080602 B	1.3	7/17/08	50786	Y	1.30	0
WS-Z01-080430 B	1.5	7/17/08	50786	Y		
WS-Z17-080618 A	1.5	7/18/08	51147	Y	1.50	0
ES-Z19-080624 A	1.1	7/21/08	51148	Y		
ES-Z19-080624 B	1.1	7/21/08	51148	Y	1.10	0
ES-Z07-080522 B	1.5	7/25/08	51406	Y		
WS-Z17-080618 B	1.5	7/25/08	51406	Y	1.50	0

Analysis of EQIS CRMs		*RPD of EQIS CRMs*	
Mean	1.190	Mean	7.07
Standard Error	0.0304	Standard Error	
Median	1.150	Median	6.83
Standard Deviation	0.1718	Standard Deviation	9.53
Sample Variance	0.0295	Sample Variance	90.73
Kurtosis	-0.77	Kurtosis	6.69
Skewness	0.49	Skewness	2.31
Range	0.570	Range	37.29
Minimum	0.930	Minimum	0.00
Maximum	1.500	Maximum	37.29
Sum	38.070	Sum	113.06
Count	32	Count	16
Largest(2)	1.5	Largest(2)	16.67
Smallest(2)	1.0	Smallest(2)	0.00

Table bis(2-ethylhexl)phthalate-5: bis(2-ethylhexyl)phthalate LaboratoryMS and LCS					
Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
86	49841	1	96	49841	1
71	49912	2	82	49912	2
82	50159	3	84	50159	3
74	50169	4	86	50169	4
97	50262	5	88	50262	5
79	50282	6	82	50282	6
75	50403	7	78	50403	7
87	50635	8	84	50635	8
88	50534	9	84	50635	8
80	50781	10	84	50534	9
74	50807	11	84	50534	9
70	51044	12	89	50781	10
68	51046	13	72	50807	11
101	51151	15	72	50807	11
105	51147	16	76	51044	12
101	51148	17	69	51046	13
92	51406	18	96	50786	14
86	56623	19	96	51151	15
			96	51147	16
			104	51148	17
			97	51406	18
			82	56623	19

Average MS Recovery = 84 % Average LCS Recovery = 86 %

Minimum MS Recovery = 68 % Minimum LCS Recovery = 69 %

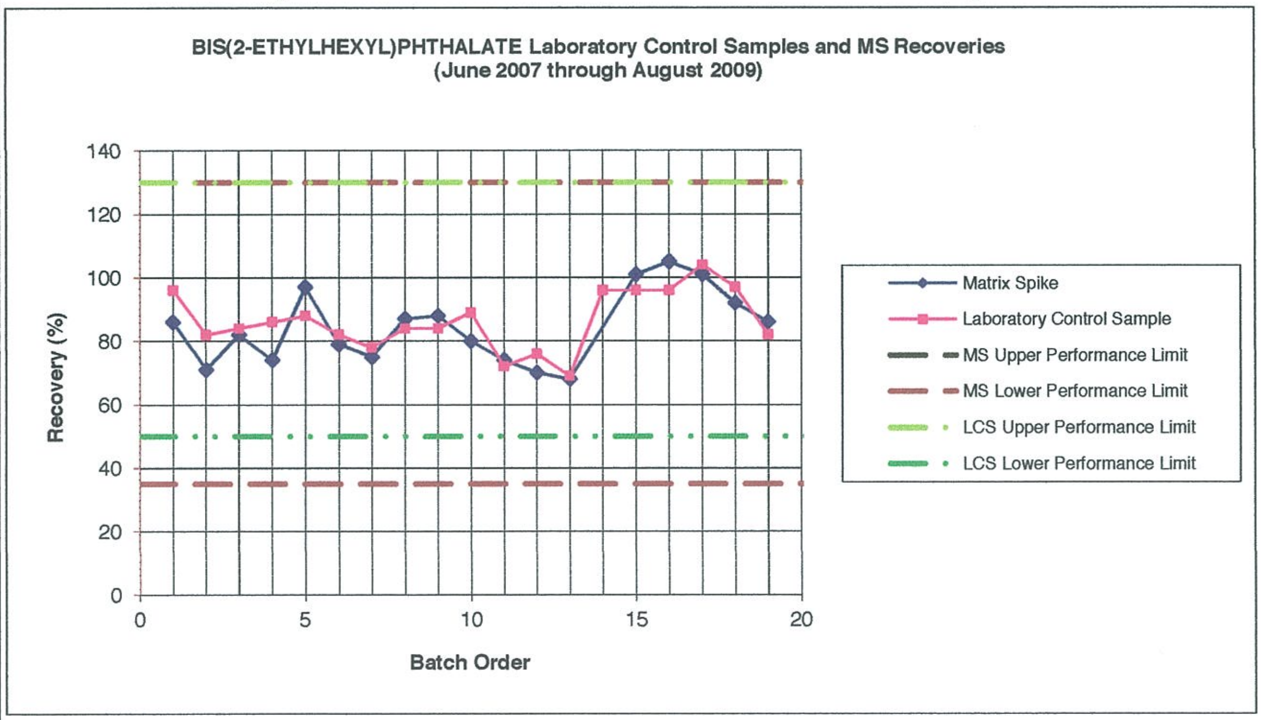


Table bis(2-ethylhexl)phthalate-6: bis(2-ethylhexyl)phthalate - Laboratory MSD				
Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/15/08	19	49841	1
WS-N03-080507MSD	5/23/08	1	49912	2
WS-K05-080509MSD	5/30/08	5	50159	3
WS-K02-080509MSD	6/2/08	17	50169	4
BOR 52, 54, 57, 71MSD	6/4/08	16	50262	5
ES-S07-080521MSD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

Average MSD RPD = 7 %

Maximum MSD RPD = 19 %

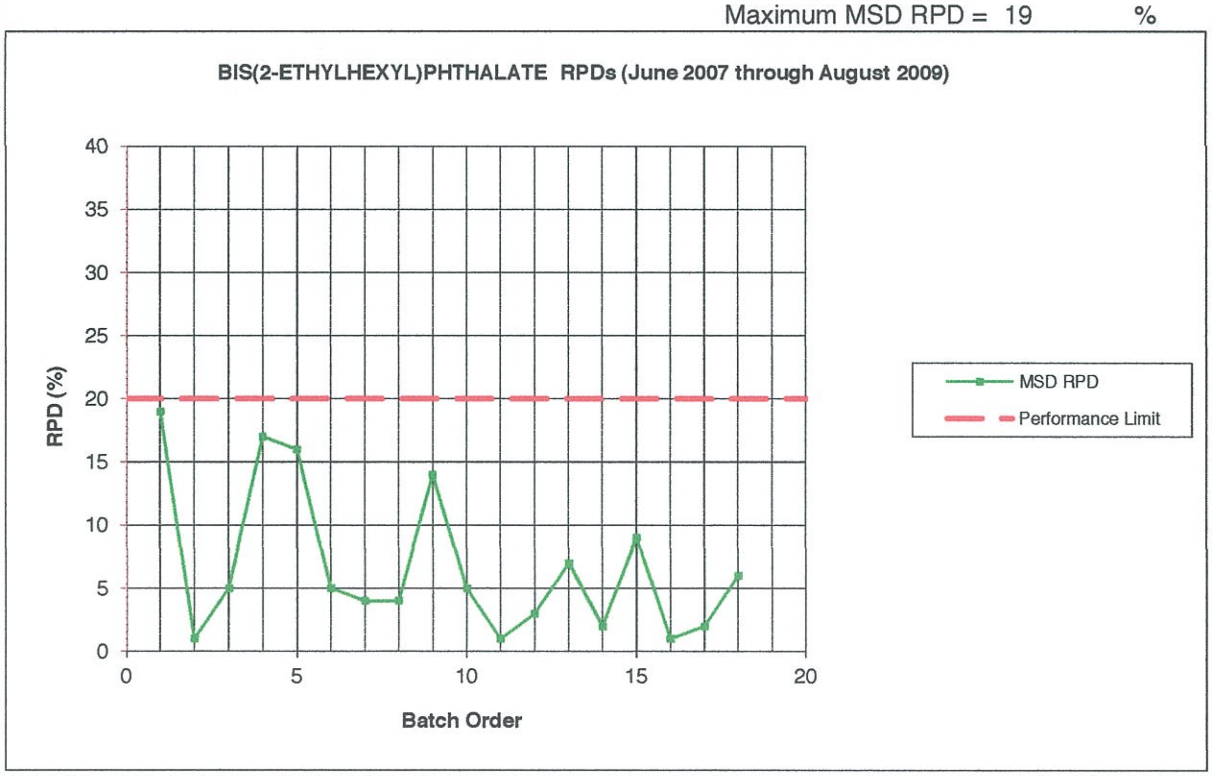


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Table bis(2-ethylhexl)phthalate-7: Method 8270CA Surrogate (Terphenyl-D14) Recoveries				
Sample	Recovery	Date	Batch	Order
WS-K04-080513	44	06/02/08	50169	65
ES-R06-080521	43	06/05/08	50282	100
ES-P07-080519	40	06/11/08	50403	110
ES-Q10-D0	36	03/10/09	56175	297
ES-P10-C1	47	03/11/09	56192	315
ES-R09-A1	18	03/12/09	56245	333
ES-N06-C0	48	03/17/09	56337	345
ES-T09-B1	18	03/17/09	56337	352

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

For all Surrogate Measurements	
Mean Recovery	77.0
Median	76.0
Mode	73.0
Standard Deviation	13.1
Minimum	18

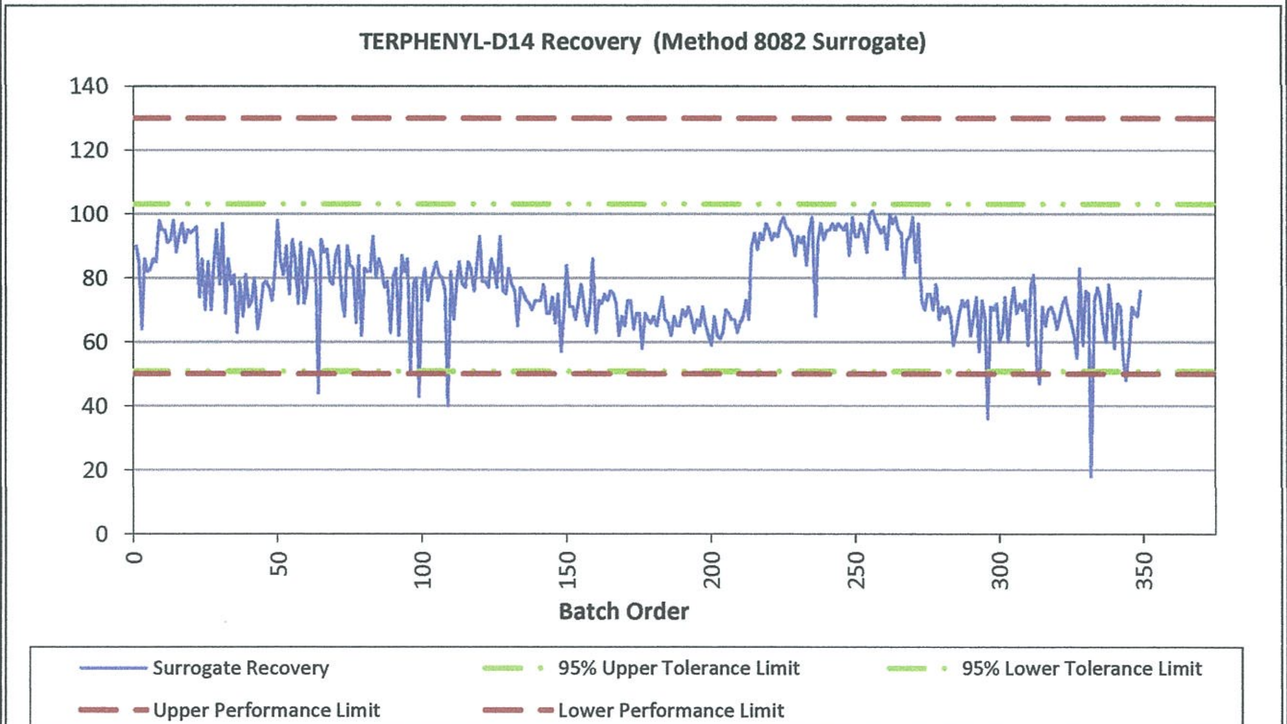
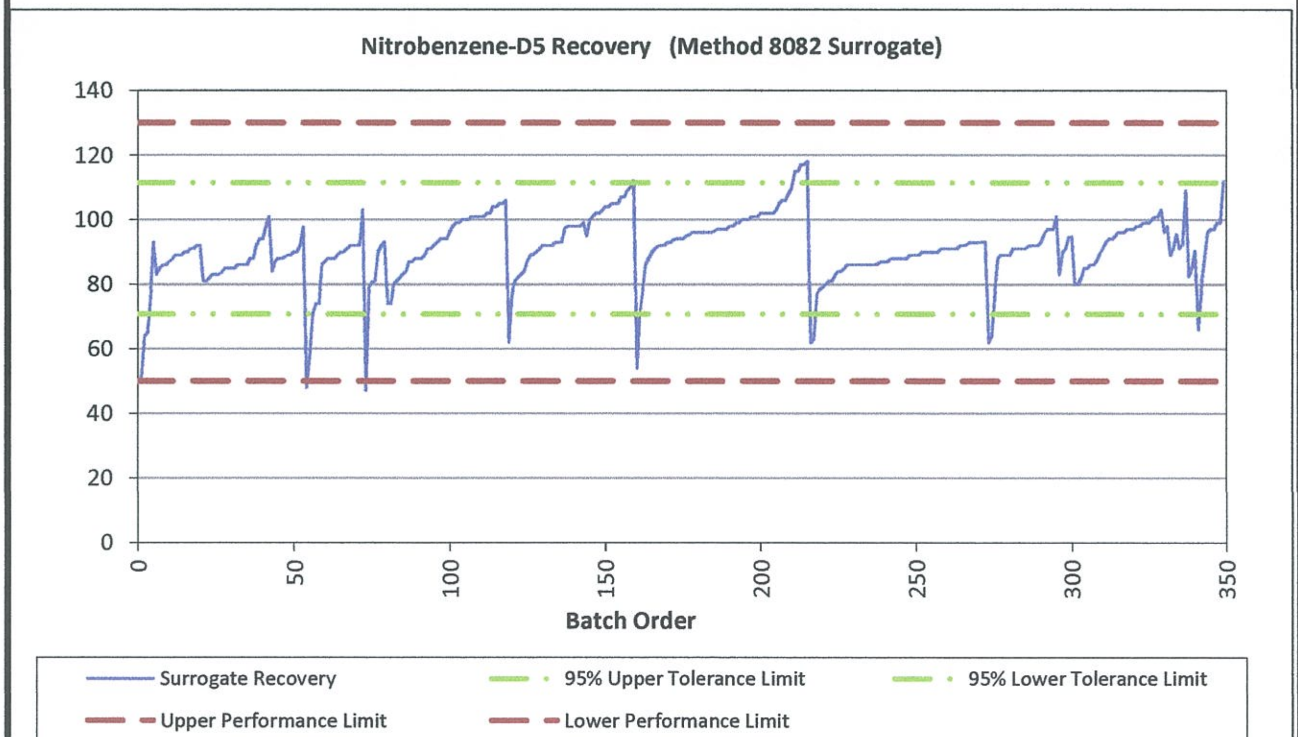
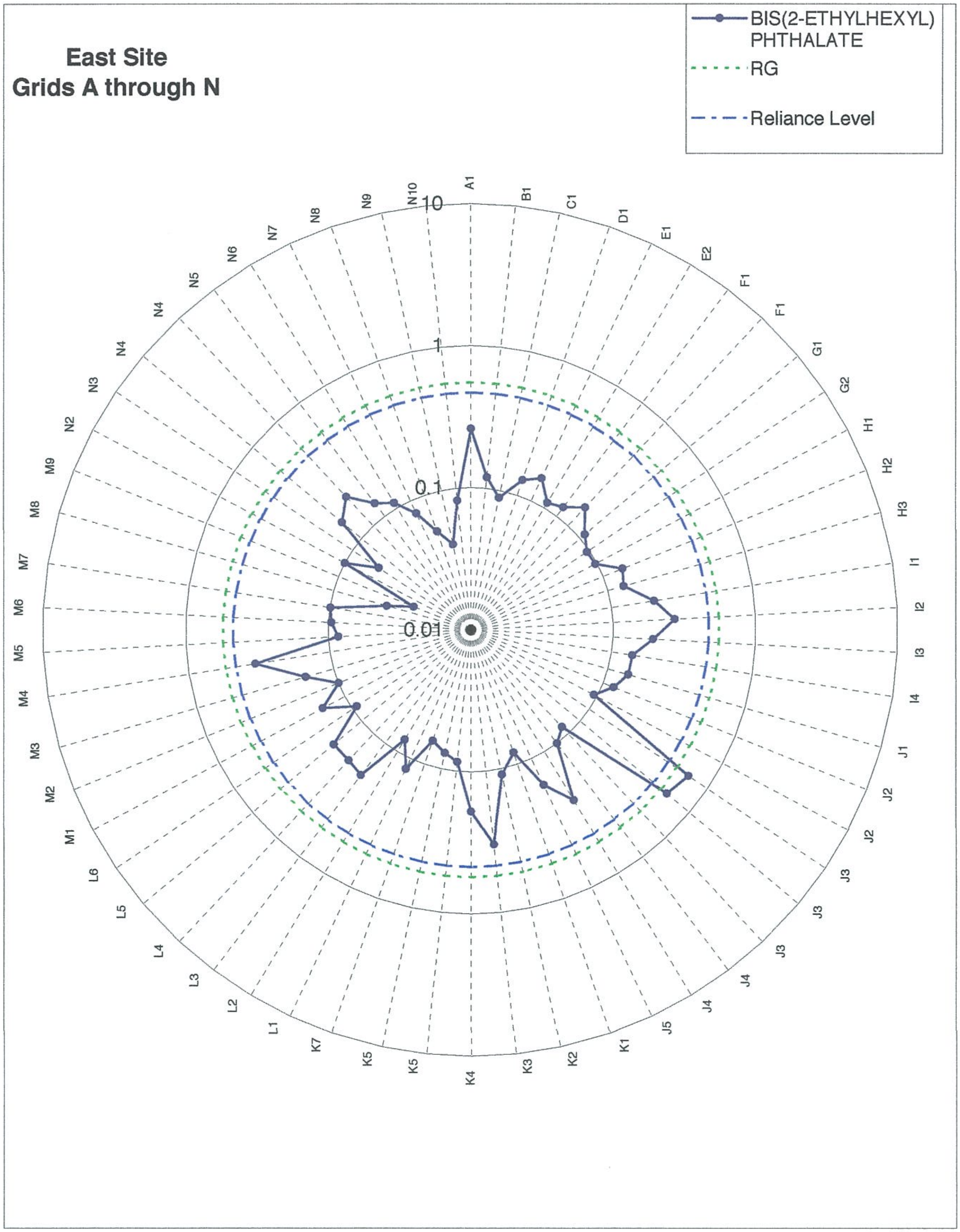


Table bis(2-ethylhexl)phthalate-8: Method 8270CA Surrogate (Nitrobenzene-D5) Recoveries				
Sample	Recovery	Date	Batch	Order
A7E090000050C	51	39216	7129050	2
BK-102-070430N	64	39216	7129050	3
BK-101-070430N	65	39216	7129050	4
ES-O04-080515	48	39602	50226	55
ES-I02-080514	58	39602	50226	56
ES-P07-080519	47	39603	50226	74
ES-O07-080530	62	39612	50461	120
ES-R16-080605	112	39625	50603	160
ES-U13-080610	54	39626	50810	161
ES-Z10-080602 B	115	39626	50837	212
BOR 94	115	39626	50837	213
ES-Z05-080519 B	117	39626	50837	214
BOR SAMPLES 76,79,82	117	39626	50837	215
ES-Z11-080605 B	118	39626	50837	216
WS-E05-080613	62	39638	50838	217
WS-J04-080617	63	39638	50949	218
ES-K02-080602 B	62	39639	51068	274
BOR 510	64	39639	51067	275
WS-D04-090319	66	39909	56714	342
BOR-702	112	39909	56714	350

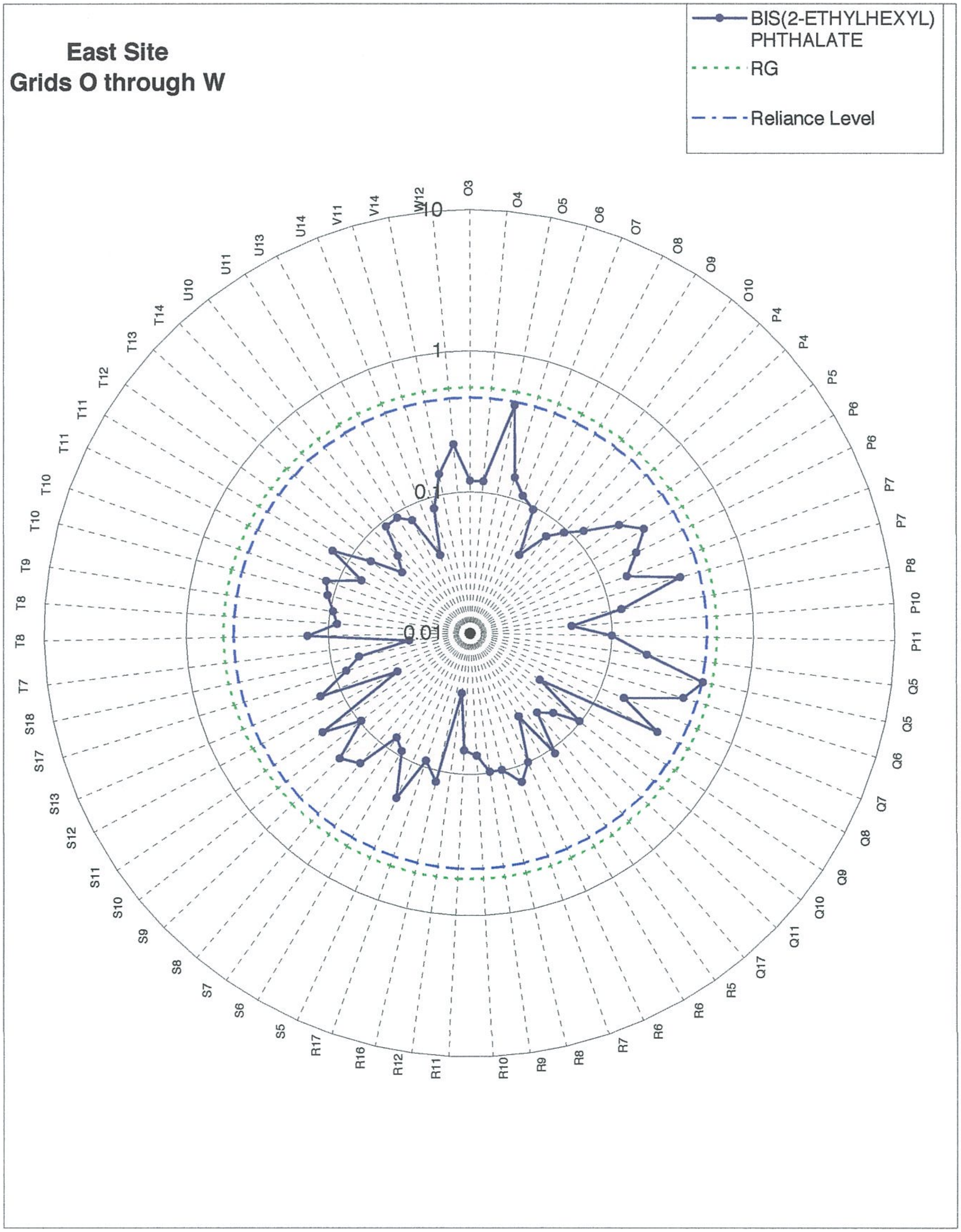
Only samples having surrogate recoveries exceeding the upper or lower tolerance limits are tabularized.

For all Surrogate Measurements	
Mean Recovery	91.1
Median	91
Mode	91
Standard Deviation	10.2
Minimum	47

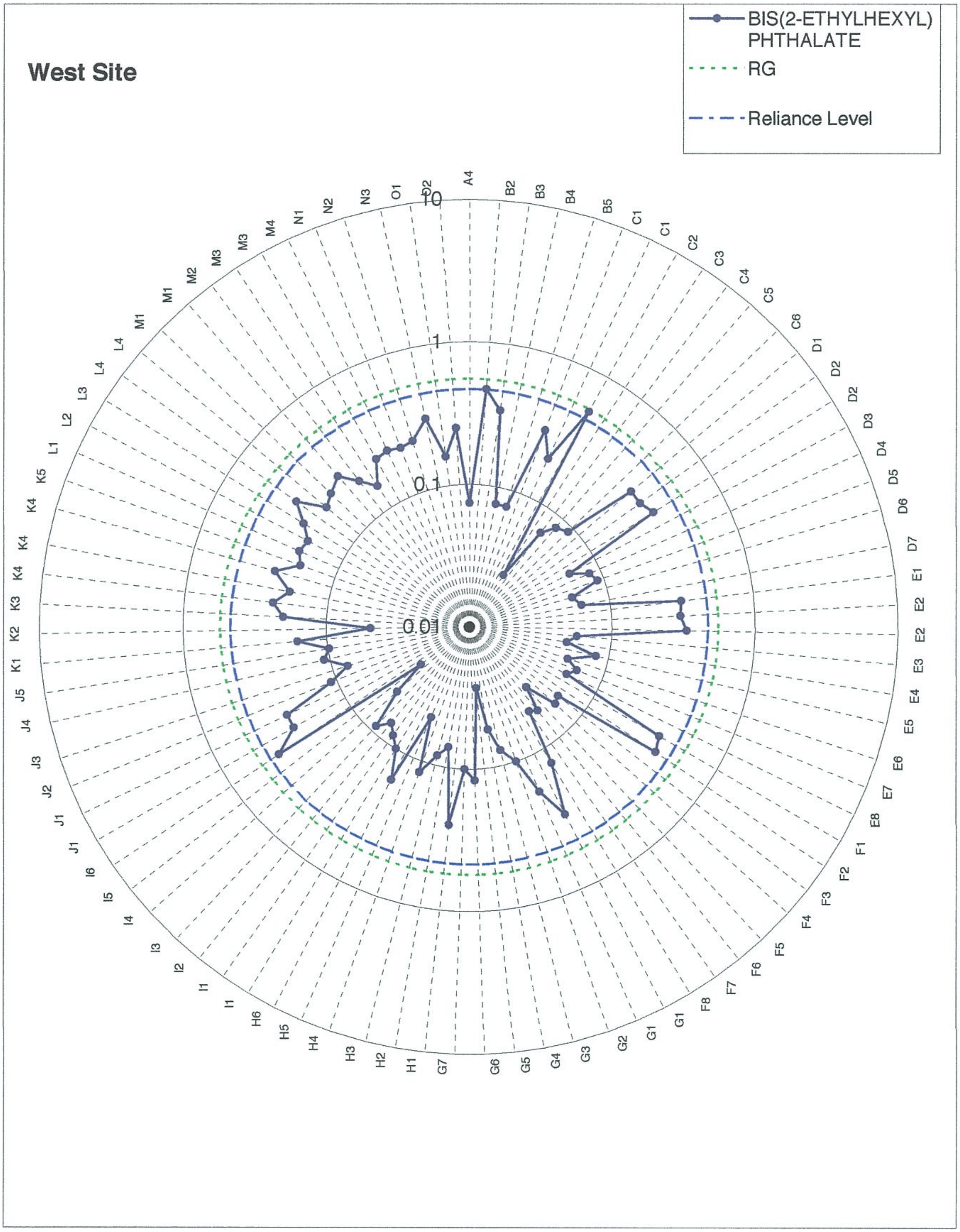




East Site
Grids A through N
BIS(2-ETHYLHEXYL) PHTHALATE
RG
Reliance Level
10
1
0.1
0.01
A1
B1
C1
D1
E1
E2
F1
F1
G1
G2
H1
H2
H3
I1
I2
I3
I4
J1
J2
J2
J3
J3
J3
J4
J4
J5
K1
K2
K3
K4
K5
K5
K7
L1
L2
L3
L4
L5
L6
M1
M2
M3
M4
M5
M6
M7
M8
M9
N2
N3
N4
N4
N5
N6
N7
N8
N9
N10



East Site
Grids O through W
BIS(2-ETHYLHEXYL) PHTHALATE
RG
Reliance Level
10
1
0.1
0.01


West Site
BIS(2-ETHYLHEXYL) PHTHALATE
RG
Reliance Level
10
1
0.1
0.01

BIS(2-ETHYLHEXYL)PHTHALATE								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	A1	ES-A01-080623	BIS(2-ETHYLHEXYL)PHTHALATE	0.260	07/21/08	51148	Y	ES-A01-080623
East	B1	ES-B01-080623	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	07/21/08	51148	Y	ES-B01-080623
East	C1	ES-C01-080624	BIS(2-ETHYLHEXYL)PHTHALATE	0.089	07/21/08	51148	Y	ES-C01-080624
East	D1	ES-D01-080624	BIS(2-ETHYLHEXYL)PHTHALATE	0.130	07/21/08	51148	Y	ES-D01-080624
East	E1	ES-E01-080528	BIS(2-ETHYLHEXYL)PHTHALATE	0.150	06/05/08	50282	Y	ES-E01-080528
East	E2	ES-E02-080611	BIS(2-ETHYLHEXYL)PHTHALATE	0.110	07/25/08	51406	Y	ES-E02-080611
East	F1	ES-F01-080529	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	06/23/08	50534	Y	ES-F01-080529
East	F1	ES-F01-080529	BIS(2-ETHYLHEXYL)PHTHALATE	0.150	07/25/08	51406	Y	DUP-17
East	G1	ES-G01-080529	BIS(2-ETHYLHEXYL)PHTHALATE	0.110	06/23/08	50534	Y	ES-G01-080529
East	G2	ES-G02-080605	BIS(2-ETHYLHEXYL)PHTHALATE	0.095	06/20/08	50635	Y	ES-G02-080605
East	H1	ES-H01-080528	BIS(2-ETHYLHEXYL)PHTHALATE	0.097	06/05/08	50282	Y	ES-H01-080528
East	H2	ES-H02-080515	BIS(2-ETHYLHEXYL)PHTHALATE	0.140	06/02/08	50169	Y	ES-H02-080515
East	H3	ES-H03-080605	BIS(2-ETHYLHEXYL)PHTHALATE	0.130	06/20/08	50635	Y	ES-H03-080605
East	I1	ES-I01-080529	BIS(2-ETHYLHEXYL)PHTHALATE	0.200	06/23/08	50534	Y	ES-I01-080529
East	I2	ES-I02-080514	BIS(2-ETHYLHEXYL)PHTHALATE	0.270	06/02/08	50169	Y	ES-I02-080514
East	I3	ES-I03-080513	BIS(2-ETHYLHEXYL)PHTHALATE	0.190	06/02/08	50169	Y	ES-I03-080513
East	I4	ES-I04-080602	BIS(2-ETHYLHEXYL)PHTHALATE	0.140	06/23/08	50534	Y	ES-I04-080602
East	J1	ES-J01-080529	BIS(2-ETHYLHEXYL)PHTHALATE	0.140	06/23/08	50534	Y	ES-J01-080529
East	J2	ES-J02-080527	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	06/04/08	50262	Y	ES-J02-080527
East	J2	ES-J02-080527	BIS(2-ETHYLHEXYL)PHTHALATE	0.094	06/26/08	50781	Y	DUP-15
East	J3	ES-J03-080513	BIS(2-ETHYLHEXYL)PHTHALATE	0.690	06/02/08	50169	Y	ES-J03-080513
East	J3	ES-J03-080513	BIS(2-ETHYLHEXYL)PHTHALATE	0.620	06/20/08	50635	Y	DUP-11
East	J3	ES-J03-090323	BIS(2-ETHYLHEXYL)PHTHALATE	0.086	04/03/09	56623	Y	ES-J03-090323
East	J4	ES-J04-080530	BIS(2-ETHYLHEXYL)PHTHALATE	0.100	06/23/08	50534	Y	ES-J04-080530
East	J4	ES-J04-080530	BIS(2-ETHYLHEXYL)PHTHALATE	0.250	07/21/08	51148	Y	DUP-18
East	J5	ES-J05-080602	BIS(2-ETHYLHEXYL)PHTHALATE	0.160	06/23/08	50534	Y	ES-J05-080602
East	K1	ES-K01-080602	BIS(2-ETHYLHEXYL)PHTHALATE	0.082	06/23/08	50534	Y	ES-K01-080602
East	K2	ES-K02-080602	BIS(2-ETHYLHEXYL)PHTHALATE	0.110	06/20/08	50635	Y	ES-K02-080602
East	K3	ES-K03-080514	BIS(2-ETHYLHEXYL)PHTHALATE	0.330	06/02/08	50169	Y	ES-K03-080514
East	K4	ES-K04-080527	BIS(2-ETHYLHEXYL)PHTHALATE	0.190	06/04/08	50262	Y	ES-K04-080527
East	K5	ES-K05-080605	BIS(2-ETHYLHEXYL)PHTHALATE	0.086	06/20/08	50635	Y	ES-K05-080605
East	K5	ES-K05-080605	BIS(2-ETHYLHEXYL)PHTHALATE	0.077	07/21/08	51148	Y	DUP-19
East	K7	ES-K07-080611	BIS(2-ETHYLHEXYL)PHTHALATE	0.067	06/26/08	50781	Y	ES-K07-080611
East	L1	ES-L01-080625	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	07/17/08	51151	Y	ES-L01-080625
East	L2	ES-L02-080625	BIS(2-ETHYLHEXYL)PHTHALATE	0.080	07/17/08	51151	Y	ES-L02-080625
East	L3	ES-L03-080604	BIS(2-ETHYLHEXYL)PHTHALATE	0.190	06/20/08	50635	Y	ES-L03-080604
East	L4	ES-L04-080604	BIS(2-ETHYLHEXYL)PHTHALATE	0.180	06/20/08	50635	Y	ES-L04-080604
East	L5	ES-L05-080620	BIS(2-ETHYLHEXYL)PHTHALATE	0.180	07/18/08	51147	Y	ES-L05-080620
East	L6	ES-L06-080605	BIS(2-ETHYLHEXYL)PHTHALATE	0.092	06/28/08	50807	Y	ES-L06-080605
East	M1	ES-M01-080527	BIS(2-ETHYLHEXYL)PHTHALATE	0.150	06/04/08	50262	Y	ES-M01-080527
East	M2	ES-M02-080519	BIS(2-ETHYLHEXYL)PHTHALATE	0.100	06/05/08	50282	Y	ES-M02-080519
East	M3	ES-M03-080519	BIS(2-ETHYLHEXYL)PHTHALATE	0.160	06/03/08	50169	Y	ES-M03-080519
East	M4	ES-M04-080515	BIS(2-ETHYLHEXYL)PHTHALATE	0.340	06/02/08	50169	Y	ES-M04-080515
East	M5	ES-M05-080527	BIS(2-ETHYLHEXYL)PHTHALATE	0.085	06/04/08	50262	Y	ES-M05-080527
East	M6	ES-M06-080520	BIS(2-ETHYLHEXYL)PHTHALATE	0.095	06/05/08	50282	Y	ES-M06-080520
East	M7	ES-M07-080612	BIS(2-ETHYLHEXYL)PHTHALATE	0.099	07/09/08	51046	Y	ES-M07-080612

East	M8	ES-M08-080610	BIS(2-ETHYLHEXYL)PHTHALATE	0.041	06/28/08	50807	Y	ES-M08-080610
East	M9	ES-M09-080611	BIS(2-ETHYLHEXYL)PHTHALATE	0.027	06/26/08	50781	N	ES-M09-080611
East	N2	ES-N02-080528	BIS(2-ETHYLHEXYL)PHTHALATE	0.100	06/05/08	50262	Y	ES-N02-080528
East	N3	ES-N03-080520	BIS(2-ETHYLHEXYL)PHTHALATE	0.060	06/05/08	50282	Y	ES-N03-080520
East	N4	ES-N04-080519	BIS(2-ETHYLHEXYL)PHTHALATE	0.150	06/02/08	50169	Y	ES-N04-080519
East	N4	ES-N04-080519	BIS(2-ETHYLHEXYL)PHTHALATE	0.190	07/25/08	51406	Y	ES-N04-080519
East	N5	ES-N05-080519	BIS(2-ETHYLHEXYL)PHTHALATE	0.130	06/02/08	50169	Y	ES-N05-080519
East	N6	ES-N06-080527	BIS(2-ETHYLHEXYL)PHTHALATE	0.110	06/04/08	50262	Y	ES-N06-080527
East	N7	ES-N07-080530	BIS(2-ETHYLHEXYL)PHTHALATE	0.080	06/23/08	50534	Y	ES-N07-080530
East	N8	ES-N08-080610	BIS(2-ETHYLHEXYL)PHTHALATE	0.054	06/28/08	50807	Y	ES-N08-080610
East	N9	ES-N09-080610	BIS(2-ETHYLHEXYL)PHTHALATE	0.041	06/26/08	50781	Y	ES-N09-080610
East	N10	ES-N10-080610	BIS(2-ETHYLHEXYL)PHTHALATE	0.082	06/28/08	50807	Y	ES-N10-080610
East	O3	ES-O03-080528	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	06/05/08	50262	Y	ES-O03-080528
East	O4	ES-O04-080515	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	06/02/08	50169	Y	ES-O04-080515
East	O5	ES-O05-080520	BIS(2-ETHYLHEXYL)PHTHALATE	0.440	06/05/08	50282	Y	ES-O05-080520
East	O6	ES-O06-080529	BIS(2-ETHYLHEXYL)PHTHALATE	0.140	06/23/08	50534	Y	ES-O06-080529
East	O7	ES-O07-080530	BIS(2-ETHYLHEXYL)PHTHALATE	0.110	06/23/08	50534	Y	ES-O07-080530
East	O8	ES-O08-080530	BIS(2-ETHYLHEXYL)PHTHALATE	0.096	06/23/08	50534	Y	ES-O08-080530
East	O9	ES-O09-080610	BIS(2-ETHYLHEXYL)PHTHALATE	0.045	06/28/08	50807	Y	ES-O09-080610
East	O10	ES-O10-080611	BIS(2-ETHYLHEXYL)PHTHALATE	0.074	06/26/08	50781	Y	ES-O10-080611
East	P4	ES-P04-080528	BIS(2-ETHYLHEXYL)PHTHALATE	0.094	06/05/08	50282	Y	ES-P04-080528
East	P4	ES-P04-080528	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	07/18/08	51147	Y	DUP-16
East	P5	ES-P05-080513	BIS(2-ETHYLHEXYL)PHTHALATE	0.200	06/02/08	50169	Y	ES-P05-080513
East	P6	ES-P06-080515	BIS(2-ETHYLHEXYL)PHTHALATE	0.270	06/02/08	50169	Y	ES-P06-080515
East	P6	ES-P06-080515	BIS(2-ETHYLHEXYL)PHTHALATE	0.200	06/28/08	50807	Y	DUP-12
East	P7	ES-P07-080519	BIS(2-ETHYLHEXYL)PHTHALATE	0.150	06/11/08	50403	Y	ES-P07-080519
East	P7	ES-P07-080519	BIS(2-ETHYLHEXYL)PHTHALATE	0.340	07/25/08	51406	Y	ES-P07-080519
East	P8	ES-P08-080530	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	06/23/08	50534	Y	ES-P08-080530
East	P10	ES-P10-080606	BIS(2-ETHYLHEXYL)PHTHALATE	0.052	06/20/08	50635	Y	ES-P10-080606
East	P11	ES-P11-080606	BIS(2-ETHYLHEXYL)PHTHALATE	0.100	06/20/08	50635	Y	ES-P11-080606
East	Q5	ES-Q05-080520	BIS(2-ETHYLHEXYL)PHTHALATE	0.180	06/05/08	50282	Y	ES-Q05-080520
East	Q5	ES-Q05-080520	BIS(2-ETHYLHEXYL)PHTHALATE	0.476	07/25/08	51406	Y	ES-Q05-080520
East	Q6	ES-Q06-080520	BIS(2-ETHYLHEXYL)PHTHALATE	0.370	06/05/08	50282	Y	ES-Q06-080520
East	Q7	ES-Q07-080519	BIS(2-ETHYLHEXYL)PHTHALATE	0.150	06/03/08	50169	Y	ES-Q07-080519
East	Q8	ES-Q08-080519	BIS(2-ETHYLHEXYL)PHTHALATE	0.310	06/03/08	50169	Y	ES-Q08-080519
East	Q9	ES-Q09-080612	BIS(2-ETHYLHEXYL)PHTHALATE	0.039	06/26/08	50781	Y	ES-Q09-080612
East	Q10	ES-Q10-080606	BIS(2-ETHYLHEXYL)PHTHALATE	0.098	06/20/08	50635	Y	ES-Q10-080606
East	Q11	ES-Q11-080606	BIS(2-ETHYLHEXYL)PHTHALATE	0.065	06/20/08	50635	Y	ES-Q11-080606
East	Q17	ES-Q17-080609	BIS(2-ETHYLHEXYL)PHTHALATE	0.054	06/28/08	50807	Y	ES-Q17-080609
East	R5	ES-R05-080521	BIS(2-ETHYLHEXYL)PHTHALATE	0.110	06/05/08	50282	Y	ES-R05-080521
East	R6	ES-R06-080521	BIS(2-ETHYLHEXYL)PHTHALATE	0.048	06/05/08	50282	Y	ES-R06-080521
East	R6	ES-R06-080521	BIS(2-ETHYLHEXYL)PHTHALATE	0.100	07/25/08	51406	Y	ES-R06-080521
East	R7	ES-R07-080521	BIS(2-ETHYLHEXYL)PHTHALATE	0.130	06/05/08	50282	Y	ES-R07-080521
East	R8	ES-R08-080519	BIS(2-ETHYLHEXYL)PHTHALATE	0.099	06/05/08	50282	Y	ES-R08-080519
East	R9	ES-R09-080520	BIS(2-ETHYLHEXYL)PHTHALATE	0.098	06/11/08	50403	Y	ES-R09-080520
East	R10	ES-R10-080602	BIS(2-ETHYLHEXYL)PHTHALATE	0.074	06/23/08	50534	Y	ES-R10-080602
East	R11	ES-R11-080605	BIS(2-ETHYLHEXYL)PHTHALATE	0.068	06/20/08	50635	Y	ES-R11-080605
East	R12	ES-R12-080611	BIS(2-ETHYLHEXYL)PHTHALATE	0.027	06/26/08	50781	N	ES-R12-080611
East	R16	ES-R16-080605	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	06/20/08	50635	Y	ES-R16-080605
East	R17	ES-R17-080606	BIS(2-ETHYLHEXYL)PHTHALATE	0.090	06/20/08	50635	Y	ES-R17-080606

East	S5	ES-S05-080521	BIS(2-ETHYLHEXYL)PHTHALATE	0.190	06/05/08	50282	Y	ES-S05-080521
East	S6	ES-S06-080521	BIS(2-ETHYLHEXYL)PHTHALATE	0.092	06/05/08	50282	Y	ES-S06-080521
East	S7	ES-S07-080521	BIS(2-ETHYLHEXYL)PHTHALATE	0.080	06/05/08	50282	Y	ES-S07-080521
East	S8	ES-S08-080522	BIS(2-ETHYLHEXYL)PHTHALATE	0.160	06/04/08	50262	Y	ES-S08-080522
East	S9	ES-S09-080522	BIS(2-ETHYLHEXYL)PHTHALATE	0.190	06/04/08	50262	Y	ES-S09-080522
East	S10	ES-S10-080523	BIS(2-ETHYLHEXYL)PHTHALATE	0.097	06/04/08	50262	Y	ES-S10-080523
East	S11	ES-S11-080528	BIS(2-ETHYLHEXYL)PHTHALATE	0.180	06/05/08	50262	Y	ES-S11-080528
East	S12	ES-S12-080609	BIS(2-ETHYLHEXYL)PHTHALATE	0.038	06/28/08	50807	Y	ES-S12-080609
East	S13	ES-S13-080610	BIS(2-ETHYLHEXYL)PHTHALATE	0.140	06/28/08	50807	Y	ES-S13-080610
East	S17	ES-S17-080606	BIS(2-ETHYLHEXYL)PHTHALATE	0.082	06/20/08	50635	Y	ES-S17-080606
East	S18	ES-S18-080606	BIS(2-ETHYLHEXYL)PHTHALATE	0.063	06/20/08	50635	Y	ES-S18-080606
East	T7	ES-T07-080612	BIS(2-ETHYLHEXYL)PHTHALATE	0.027	06/26/08	50781	N	ES-T07-080612
East	T8	ES-T08-080522	BIS(2-ETHYLHEXYL)PHTHALATE	0.140	06/04/08	50262	Y	ES-T08-080522
East	T8	ES-T08-080522	BIS(2-ETHYLHEXYL)PHTHALATE	0.087	06/28/08	50807	Y	DUP-13
East	T9	ES-T09-080522	BIS(2-ETHYLHEXYL)PHTHALATE	0.095	06/04/08	50262	Y	ES-T09-080522
East	T10	ES-T10-080523	BIS(2-ETHYLHEXYL)PHTHALATE	0.110	06/04/08	50262	Y	ES-T10-080523
East	T10	ES-T10-080523	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	07/09/08	51046	Y	DUP-14
East	T11	ES-T11-080530	BIS(2-ETHYLHEXYL)PHTHALATE	0.071	06/23/08	50534	Y	ES-T11-080530
East	T11	ES-T11-080530	BIS(2-ETHYLHEXYL)PHTHALATE	0.136	07/25/08	51406	Y	ES-T11-080530
East	T12	ES-T12-080609	BIS(2-ETHYLHEXYL)PHTHALATE	0.073	06/28/08	50807	Y	ES-T12-080609
East	T13	ES-T13-080609	BIS(2-ETHYLHEXYL)PHTHALATE	0.044	06/28/08	50807	Y	ES-T13-080609
East	T14	ES-T14-080610	BIS(2-ETHYLHEXYL)PHTHALATE	0.056	06/28/08	50807	Y	ES-T14-080610
East	U10	ES-U10-080523	BIS(2-ETHYLHEXYL)PHTHALATE	0.091	06/04/08	50262	Y	ES-U10-080523
East	U11	ES-U11-080602	BIS(2-ETHYLHEXYL)PHTHALATE	0.092	06/20/08	50635	Y	ES-U11-080602
East	U13	ES-U13-080610	BIS(2-ETHYLHEXYL)PHTHALATE	0.079	06/28/08	50807	Y	ES-U13-080610
East	U14	ES-U14-080610	BIS(2-ETHYLHEXYL)PHTHALATE	0.039	06/28/08	50807	Y	ES-U14-080610
East	V11	ES-V11-080529	BIS(2-ETHYLHEXYL)PHTHALATE	0.083	06/23/08	50534	Y	ES-V11-080529
East	V14	ES-V14-080605	BIS(2-ETHYLHEXYL)PHTHALATE	0.140	06/20/08	50635	Y	ES-V14-080605
East	W12	ES-W12-080527	BIS(2-ETHYLHEXYL)PHTHALATE	0.220	06/04/08	50262	Y	ES-W12-080527
West	A4	WS-A04-080626	BIS(2-ETHYLHEXYL)PHTHALATE	0.074	07/17/08	51151	Y	WS-A04-080626
West	B2	WS-B02-080502	BIS(2-ETHYLHEXYL)PHTHALATE	0.470	05/29/08	49912	Y	WS-B02-080502
West	B3	WS-B03-080502	BIS(2-ETHYLHEXYL)PHTHALATE	0.340	05/20/08	49912	Y	WS-B03-080502
West	B4	WS-B04-080626	BIS(2-ETHYLHEXYL)PHTHALATE	0.076	07/17/08	51151	Y	WS-B04-080626
West	B5	WS-B05-080626	BIS(2-ETHYLHEXYL)PHTHALATE	0.076	07/17/08	51151	Y	WS-B05-080626
West	C1	WS-C01-080501	BIS(2-ETHYLHEXYL)PHTHALATE	0.300	05/15/08	49841	Y	WS-C01-080501
West	C1	WS-C01-080501	BIS(2-ETHYLHEXYL)PHTHALATE	0.200	05/30/08	50159	Y	DUP-3
West	C2	WS-C02-080428	BIS(2-ETHYLHEXYL)PHTHALATE	0.530	05/15/08	49841	Y	WS-C02-080428
West	C3	WS-C03-080620	BIS(2-ETHYLHEXYL)PHTHALATE	0.027	07/18/08	51147	N	WS-C03-080620
West	C4	WS-C04-080623	BIS(2-ETHYLHEXYL)PHTHALATE	0.067	07/21/08	51148	Y	WS-C04-080623
West	C5	WS-C05-080620	BIS(2-ETHYLHEXYL)PHTHALATE	0.083	07/09/08	51046	Y	WS-C05-080620
West	C6	WS-C06-080624	BIS(2-ETHYLHEXYL)PHTHALATE	0.091	07/21/08	51148	Y	WS-C06-080624
West	D1	WS-D01-080430	BIS(2-ETHYLHEXYL)PHTHALATE	0.300	05/15/08	49841	Y	WS-D01-080430
West	D2	WS-D02-080429	BIS(2-ETHYLHEXYL)PHTHALATE	0.300	05/15/08	49841	Y	DUP-2
West	D2	WS-D02-080429	BIS(2-ETHYLHEXYL)PHTHALATE	0.330	05/15/08	49841	Y	WS-D02-080429
West	D3	WS-D03-080620	BIS(2-ETHYLHEXYL)PHTHALATE	0.062	07/18/08	51147	Y	WS-D03-080620
West	D4	WS-D04-080623	BIS(2-ETHYLHEXYL)PHTHALATE	0.083	07/17/08	51151	Y	WS-D04-080623
West	D5	WS-D05-080620	BIS(2-ETHYLHEXYL)PHTHALATE	0.090	07/18/08	51147	Y	WS-D05-080620
West	D6	WS-D06-080619	BIS(2-ETHYLHEXYL)PHTHALATE	0.056	07/18/08	51147	Y	WS-D06-080619
West	D7	WS-D07-080619	BIS(2-ETHYLHEXYL)PHTHALATE	0.063	07/18/08	51147	Y	WS-D07-080619
West	E1	WS-E01-080430	BIS(2-ETHYLHEXYL)PHTHALATE	0.310	05/15/08	49841	Y	WS-E01-080430

West	E2	WS-E02-080428	BIS(2-ETHYLHEXYL)PHTHALATE	0.300	05/15/08	49841	Y	DUP-1
West	E2	WS-E02-080428	BIS(2-ETHYLHEXYL)PHTHALATE	0.330	05/15/08	49841	Y	WS-E02-080428
West	E3	WS-E03-080619	BIS(2-ETHYLHEXYL)PHTHALATE	0.057	07/18/08	51147	Y	WS-E03-080619
West	E4	WS-E04-080613	BIS(2-ETHYLHEXYL)PHTHALATE	0.049	07/09/08	51044	Y	WS-E04-080613
West	E5	WS-E05-080613	BIS(2-ETHYLHEXYL)PHTHALATE	0.081	06/26/08	50781	Y	WS-E05-080613
West	E6	WS-E06-080613	BIS(2-ETHYLHEXYL)PHTHALATE	0.053	07/17/08	51151	Y	WS-E06-080613
West	E7	WS-E07-080613	BIS(2-ETHYLHEXYL)PHTHALATE	0.065	07/09/08	51044	Y	WS-E07-080613
West	E8	WS-E08-080616	BIS(2-ETHYLHEXYL)PHTHALATE	0.057	07/09/08	51044	Y	WS-E08-080616
West	F1	WS-F01-080429	BIS(2-ETHYLHEXYL)PHTHALATE	0.340	05/15/08	49841	Y	WS-F01-080429
West	F2	WS-F02-080429	BIS(2-ETHYLHEXYL)PHTHALATE	0.370	05/15/08	49841	Y	WS-F02-080429
West	F3	WS-F03-080619	BIS(2-ETHYLHEXYL)PHTHALATE	0.061	07/18/08	51147	Y	WS-F03-080619
West	F4	WS-F04-080616	BIS(2-ETHYLHEXYL)PHTHALATE	0.064	07/09/08	51044	Y	WS-F04-080616
West	F5	WS-F05-080612	BIS(2-ETHYLHEXYL)PHTHALATE	0.038	07/09/08	51044	Y	WS-F05-080612
West	F6	WS-F06-080612	BIS(2-ETHYLHEXYL)PHTHALATE	0.057	07/09/08	51044	Y	WS-F06-080612
West	F7	WS-F07-080617	BIS(2-ETHYLHEXYL)PHTHALATE	0.053	07/09/08	51044	Y	WS-F07-080617
West	F8	WS-F08-080618	BIS(2-ETHYLHEXYL)PHTHALATE	0.130	07/18/08	51147	Y	WS-F08-080618
West	G1	WS-G01-080501	BIS(2-ETHYLHEXYL)PHTHALATE	0.300	05/15/08	49841	Y	WS-G01-080501
West	G1	WS-G01-080501	BIS(2-ETHYLHEXYL)PHTHALATE	0.180	05/30/08	50159	Y	DUP-4
West	G2	WS-G02-080618	BIS(2-ETHYLHEXYL)PHTHALATE	0.100	07/18/08	51147	Y	WS-G02-080618
West	G3	WS-G03-080619	BIS(2-ETHYLHEXYL)PHTHALATE	0.078	07/18/08	51147	Y	WS-G03-080619
West	G4	WS-G04-080616	BIS(2-ETHYLHEXYL)PHTHALATE	0.054	07/09/08	51044	Y	WS-G04-080616
West	G5	WS-G05-080613	BIS(2-ETHYLHEXYL)PHTHALATE	0.027	06/26/08	50781	N	WS-G05-080613
West	G6	WS-G06-080616	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	07/09/08	51044	Y	WS-G06-080616
West	G7	WS-G07-080617	BIS(2-ETHYLHEXYL)PHTHALATE	0.100	07/09/08	51044	Y	WS-G07-080617
West	H1	WS-H01-080501	BIS(2-ETHYLHEXYL)PHTHALATE	0.250	05/20/08	49912	Y	WS-H01-080501
West	H2	WS-H02-080618	BIS(2-ETHYLHEXYL)PHTHALATE	0.072	07/18/08	51147	Y	WS-H02-080618
West	H3	WS-H03-080619	BIS(2-ETHYLHEXYL)PHTHALATE	0.085	07/18/08	51147	Y	WS-H03-080619
West	H4	WS-H04-080616	BIS(2-ETHYLHEXYL)PHTHALATE	0.120	07/09/08	51044	Y	WS-H04-080616
West	H5	WS-H05-080613	BIS(2-ETHYLHEXYL)PHTHALATE	0.049	07/09/08	51044	Y	WS-H05-080613
West	H6	WS-H06-080617	BIS(2-ETHYLHEXYL)PHTHALATE	0.160	07/09/08	51044	Y	WS-H06-080617
West	I1	WS-I01-080501	BIS(2-ETHYLHEXYL)PHTHALATE	0.100	05/29/08	49912	Y	WS-I01-080501
West	I1	WS-I01-080501	BIS(2-ETHYLHEXYL)PHTHALATE	0.085	05/30/08	50159	Y	DUP-5
West	I2	WS-I02-080618	BIS(2-ETHYLHEXYL)PHTHALATE	0.074	07/18/08	51147	Y	WS-I02-080618
West	I3	WS-I03-080618	BIS(2-ETHYLHEXYL)PHTHALATE	0.090	07/18/08	51147	Y	WS-I03-080618
West	I4	WS-I04-080617	BIS(2-ETHYLHEXYL)PHTHALATE	0.048	07/09/08	51044	Y	WS-I04-080617
West	I5	WS-I05-080617	BIS(2-ETHYLHEXYL)PHTHALATE	0.027	07/09/08	51044	N	WS-I05-080617
West	I6	WS-I06-080617	BIS(2-ETHYLHEXYL)PHTHALATE	0.400	07/09/08	51044	Y	WS-I06-080617
West	J1	WS-J01-080505	BIS(2-ETHYLHEXYL)PHTHALATE	0.260	05/29/08	49912	Y	WS-J01-080505
West	J1	WS-J01-080505	BIS(2-ETHYLHEXYL)PHTHALATE	0.260	06/05/08	50282	Y	DUP-6
West	J2	WS-J02-080624	BIS(2-ETHYLHEXYL)PHTHALATE	0.110	07/21/08	51148	Y	WS-J02-080624
West	J3	WS-J03-080620	BIS(2-ETHYLHEXYL)PHTHALATE	0.078	07/09/08	51046	Y	WS-J03-080620
West	J4	WS-J04-080617	BIS(2-ETHYLHEXYL)PHTHALATE	0.110	07/09/08	51044	Y	WS-J04-080617
West	J5	WS-J05-080618	BIS(2-ETHYLHEXYL)PHTHALATE	0.098	07/18/08	51147	Y	WS-J05-080618
West	K1	WS-K01-080505	BIS(2-ETHYLHEXYL)PHTHALATE	0.160	05/28/08	49912	Y	WS-K01-080505
West	K2	WS-K02-080509	BIS(2-ETHYLHEXYL)PHTHALATE	0.049	06/02/08	50169	Y	WS-K02-080509
West	K3	WS-K03-080509	BIS(2-ETHYLHEXYL)PHTHALATE	0.200	06/02/08	50169	Y	WS-K03-080509
West	K4	WS-K04-080513	BIS(2-ETHYLHEXYL)PHTHALATE	0.240	06/02/08	50169	Y	WS-K04-080513
West	K4	WS-K04-080513	BIS(2-ETHYLHEXYL)PHTHALATE	0.190	06/23/08	50534	Y	DUP-10
West	K4	WS-K04-080513	BIS(2-ETHYLHEXYL)PHTHALATE	0.258	07/25/08	51406	Y	WS-K04-080513

West	K5	WS-K05-080509	BIS(2-ETHYLHEXYL)PHTHALATE	0.180	05/30/08	50159	Y	WS-K05-080509
West	L1	WS-L01-080505	BIS(2-ETHYLHEXYL)PHTHALATE	0.200	05/28/08	49912	Y	WS-L01-080505
West	L2	WS-L02-080508	BIS(2-ETHYLHEXYL)PHTHALATE	0.190	05/20/08	49912	Y	WS-L02-080508
West	L3	WS-L03-080508	BIS(2-ETHYLHEXYL)PHTHALATE	0.230	05/20/08	49912	Y	WS-L03-080508
West	L4	WS-L04-080508	BIS(2-ETHYLHEXYL)PHTHALATE	0.310	05/20/08	49912	Y	WS-L04-080508
West	L4	WS-L04-080508	BIS(2-ETHYLHEXYL)PHTHALATE	0.200	06/05/08	50282	Y	DUP-9
West	M1	WS-M01-080505	BIS(2-ETHYLHEXYL)PHTHALATE	0.220	05/29/08	49912	Y	WS-M01-080505
West	M1	WS-M01-080505	BIS(2-ETHYLHEXYL)PHTHALATE	0.250	05/30/08	50159	Y	DUP-7
West	M2	WS-M02-080507	BIS(2-ETHYLHEXYL)PHTHALATE	0.190	05/29/08	49912	Y	WS-M02-080507
West	M3	WS-M03-080507	BIS(2-ETHYLHEXYL)PHTHALATE	0.150	05/29/08	49912	Y	WS-M03-080507
West	M3	WS-M03-080507	BIS(2-ETHYLHEXYL)PHTHALATE	0.220	06/05/08	50262	Y	DUP-8
West	M4	WS-M04-080507	BIS(2-ETHYLHEXYL)PHTHALATE	0.230	06/04/08	49912	Y	WS-M04-080507
West	N1	WS-N01-080506	BIS(2-ETHYLHEXYL)PHTHALATE	0.220	05/29/08	49912	Y	WS-N01-080506
West	N2	WS-N02-080506	BIS(2-ETHYLHEXYL)PHTHALATE	0.230	05/20/08	49912	Y	WS-N02-080506
West	N3	WS-N03-080507	BIS(2-ETHYLHEXYL)PHTHALATE	0.310	05/20/08	49912	Y	WS-N03-080507
West	O1	WS-O01-080506	BIS(2-ETHYLHEXYL)PHTHALATE	0.160	05/28/08	49912	Y	WS-O01-080506
West	O2	WS-O02-080506	BIS(2-ETHYLHEXYL)PHTHALATE	0.250	05/29/08	49912	Y	WS-O02-080506

Table Chrysene-1: Chrysene Data Quality Summary			
Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	69%	
Minimum Matrix Spike Recovery	greater than 35%	65%	
Minimum Surrogate Recovery	greater than 50%	18%	Terphenyl-D14
Average LCS Recovery	N/A	84%	
Average Matrix Spike Recovery	N/A	80%	
Average Surrogate Recovery	N/A	77%	Terphenyl-D14
Maximum MSD RPD	less than 35%	30%	
Average MSD RPD	N/A	8%	
Measurement Quality Objectives	Critera	Measured	
NPS CRM	Recovery greater than 0.398	Minimum Recovery =	0.770 mg/kg
EQIS CRM	Recovery greater than 0.458	Minimum Recovery =	0.710 mg/kg
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	157 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	33 %
Overall QC Indicator Measurements	Criteria	Measured	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	99.4 %
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	0.516 mg/kg	See Note 1	

Comments: Surrogate and LCS recoveries are generally low, indicating a bias favoring low measurements. Low minimum and low average matrix spike recoveries (65% and 80% respectively) also indicate a potential bias favoring low measurements. An average recovery of the NPS CRM (99.4%) indicates no measurement bias; however, the data set is relatively small. Maximum CRM split analyses RPD (66%) and a maximum CVS split analysis RPD (157%) indicate imprecision. The derived reliance level (0.516 mg/kg) is less than the RG (0.55 mg/kg) due primarily to measurement imprecision. However, all CVS sample chrysene measurements that exceeded the derived reliance level also exceeded the chrysene RG. Consequently, decisions related to chrysene RG attainment in these grids are not affected by bias in these measurements. Therefore, it is concluded that the chrysene CVS measurements are of acceptable quality and may be used to determine RG achievement.

Note 1: The standard deviation of NPS CRM split analyses (0.159 mg/kg) is used to represent measurement imprecision near the RG and is used with the assumption of little bias, in recognition of the good NPS CRMs recovery (99.4%), to calculate the derived reliance level (0.522 mg/kg)..

Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.55)(1.2)(.994)-(0.84)(0.159) =0.522 mg/kg

Table Chrysene-2: Chrysene - NPS CRMs

Blind NPS CRM Results

Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 70	1.1	6/2/08	50169	Y
BO 50,55,58,72	0.77	6/23/08	50534	Y
BOR 102-96-99-105	0.8	7/9/08	51046	Y
BOR 103,97,100,106	0.98	7/21/08	51148	Y
BOR 104	1.1	7/21/08	51148	Y

CRMs		Vendor Supplied Information
Mean	0.95	*Made to*
Standard Error	0.07099	*0.956 mg/kg*
Median	0.98	
Standard Deviation	0.159	*Upper Acceptance Limit*
Sample Variance	0.025	*1.18 mg/kg*
Kurtosis	-2.94	
Skewness	-0.25	*Lower Acceptance Limit*
Range	0.330	*0.398 mg/kg*
Minimum	0.770	
Maximum	1.100	
Sum	4.750	
Count	5	
Largest(2)	1.100	
Smallest(2)	0.800	

Table Chrysene-3: Chrysene NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 501	0.0270	6/4/08	50262	WS-L04-080508	0.0041	5/20/2008	147
BOR 500	0.0810	6/11/08	50403	WS-F01-080429	0.0830	5/15/2008	2
BOR 505	0.0800	6/23/08	50534	WS-K03-080509	0.0880	6/2/2008	10
BOR 504	0.0040	6/26/08	50781	ES-M05-080527	0.0040	6/4/2008	
BOR 506	0.0040	6/26/08	50781	ES-S10-080523	0.0041	6/4/2008	
BOR 502	0.2500	7/21/08	51148	WS-F05-080612	0.1100	7/9/2008	78
BOR 507	0.0040	7/21/08	51148	ES-O09-080610	0.0041	6/28/2008	
BOR 508	0.0040	7/21/08	51148	ES-Q11-080606	0.0041	6/20/2008	
BOR 509	0.0040	7/21/08	51148	WS-E06-080613	0.0041	7/17/2008	
BOR 510	0.0040	7/21/08	51148	OU-8HR-080605	0.0041	6/20/2008	
DUP-1	0.0200	5/15/08	49841	WS-E02-080428	0.0041	5/15/2008	132
DUP-2	0.0041	5/15/08	49841	WS-D02-080429	0.0041	5/15/2008	
DUP-3	0.0340	5/30/08	50159	WS-C01-080501	0.0041	5/15/2008	157
DUP-4	0.0200	5/30/08	50159	WS-G01-080501	0.0400	5/15/2008	67
DUP-5	0.0550	5/30/08	50159	WS-I01-080501	0.0580	5/29/2008	5
DUP-7	0.0680	5/30/08	50159	WS-M01-080505	0.0690	5/29/2008	1
DUP-6	0.1600	6/5/08	50282	WS-J01-080505	0.1400	5/29/2008	13
DUP-8	1.5000	6/5/08	50262	WS-M03-080507	0.9600	5/29/2008	44
DUP-9	0.0220	6/5/08	50282	WS-L04-080508	0.0041	5/20/2008	137
DUP-11	0.0240	6/20/08	50635	ES-J03-080513	0.0350	6/2/2008	37
DUP-10	0.0040	6/23/08	50534	WS-K04-080513	0.0270	6/2/2008	148
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	0.0410	7/9/08	51046	ES-T10-080523	0.0380	6/4/2008	8
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	0.0290	7/21/08	51148	ES-K05-080605	0.0180	6/20/2008	47
DUP-17	0.0270	7/25/08	51406	ES-F01-080529	0.0041	6/23/2008	147

Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	69.5
Standard Error	14.9
Median	46.8
Standard Deviation	61.5
Sample Variance	3785.1
Kurtosis	-1.7
Skewness	0.3
Range	155.5
Minimum	1.5
Maximum	157.0
Sum	1181.1
Count	17.0
Largest(2)	148.4
Smallest(2)	2.4

Table Chrysene-4: Chrysene EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	1	5/20/08	49912	Y		
ES-Z05-080519	1	5/30/08	50159	Y	1.00	0
ES-Z06-080520	1.1	5/30/08	50159	Y		
ES-Z07-080522	1	5/30/08	50159	Y	1.05	10
ES-Z08-080527	0.97	6/5/08	50262	Y		
ES-Z09-080529	0.97	6/5/08	50282	Y	0.97	0
ES-Z11-080605	0.92	6/20/08	50635	Y		
ES-Z10-080602	0.89	6/23/08	50534	Y	0.91	3
ES-Z14-080611 A	0.89	6/26/08	50781	Y		
ES-Z14-080611 B	0.89	6/26/08	50781	Y	0.89	0
WS-Z15-080613 A	0.93	6/26/08	50781	Y		
WS-Z15-080613 B	0.94	6/26/08	50781	Y	0.94	1
ES-Z12-080606-A	0.88	6/28/08	50807	Y		
ES-Z12-080606-B	0.82	6/28/08	50807	Y	0.85	7
ES-Z13-080610 A	0.77	6/28/08	50807	Y		
ES-Z13-080610 B	0.71	6/28/08	50807	Y	0.74	8
ES-Z11-080605 B	0.83	7/9/08	51044	Y		
WS-Z16-080617-A	0.78	7/9/08	51044	Y	0.81	6
WS-Z16-080617-B	0.82	7/9/08	51044	Y		
WS-Z18-080620 A	0.86	7/9/08	51046	Y	0.84	5
WS-Z18-080620 B	0.79	7/9/08	51046	Y		
ES-Z05-080519 B	1.1	7/17/08	50786	Y	0.95	33
ES-Z06-080520 B	1.2	7/17/08	50786	Y		
ES-Z08-080527 B	1.2	7/17/08	50786	Y	1.20	0
ES-Z09-080529 B	1.1	7/17/08	50786	Y		
ES-Z10-080602 B	1.1	7/17/08	50786	Y	1.10	0
WS-Z01-080430 B	1.2	7/17/08	50786	Y		
WS-Z17-080618 A	1.2	7/18/08	51147	Y	1.20	0
ES-Z19-080624 A	0.84	7/21/08	51148	Y		
ES-Z19-080624 B	0.87	7/21/08	51148	Y	0.86	4
ES-Z07-080522 B	1.3	7/25/08	51406	Y		
WS-Z17-080618 B	1.2	7/25/08	51406	Y	1.25	8

Analysis of EQIS CRMs	
Mean	0.971
Standard Error	0.0276
Median	0.935
Standard Deviation	0.1561
Sample Variance	0.0244
Kurtosis	-0.85
Skewness	0.44
Range	0.590
Minimum	0.710
Maximum	1.300
Sum	31.070
Count	32
Largest(2)	1.2
Smallest(2)	0.8

RPD of EQIS CRMs	
Mean	5.27
Standard Error	
Median	3.41
Standard Deviation	8.11
Sample Variance	65.82
Kurtosis	9.63
Skewness	2.86
Range	32.80
Minimum	0.00
Maximum	32.80
Sum	84.36
Count	16
Largest(2)	9.52
Smallest(2)	0.00

Table Chrysene-5: Chrysene MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
86	49841	1	96	49841	1
70	49912	2	84	49912	2
77	50159	3	82	50159	3
68	50169	4	86	50169	4
87	50262	5	88	50262	5
80	50282	6	83	50282	6
72	50403	7	78	50403	7
83	50635	8	82	50635	8
93	50534	9	82	50635	8
75	50781	10	80	50534	9
68	50807	11	80	50534	9
65	51044	12	85	50781	10
68	51046	13	70	50807	11
95	51151	15	70	50807	11
97	51147	16	74	51044	12
90	51148	17	69	51046	13
83	51406	18	96	50786	14
82	56623	19	96	51151	15
			90	51147	16
			96	51148	17
			96	51406	18
			78	56623	19

Average MS Recovery = 80 % Average LCS Recovery = 84 %

Minimum MS Recovery = 65 % Minimum LCS Recovery = 69 %

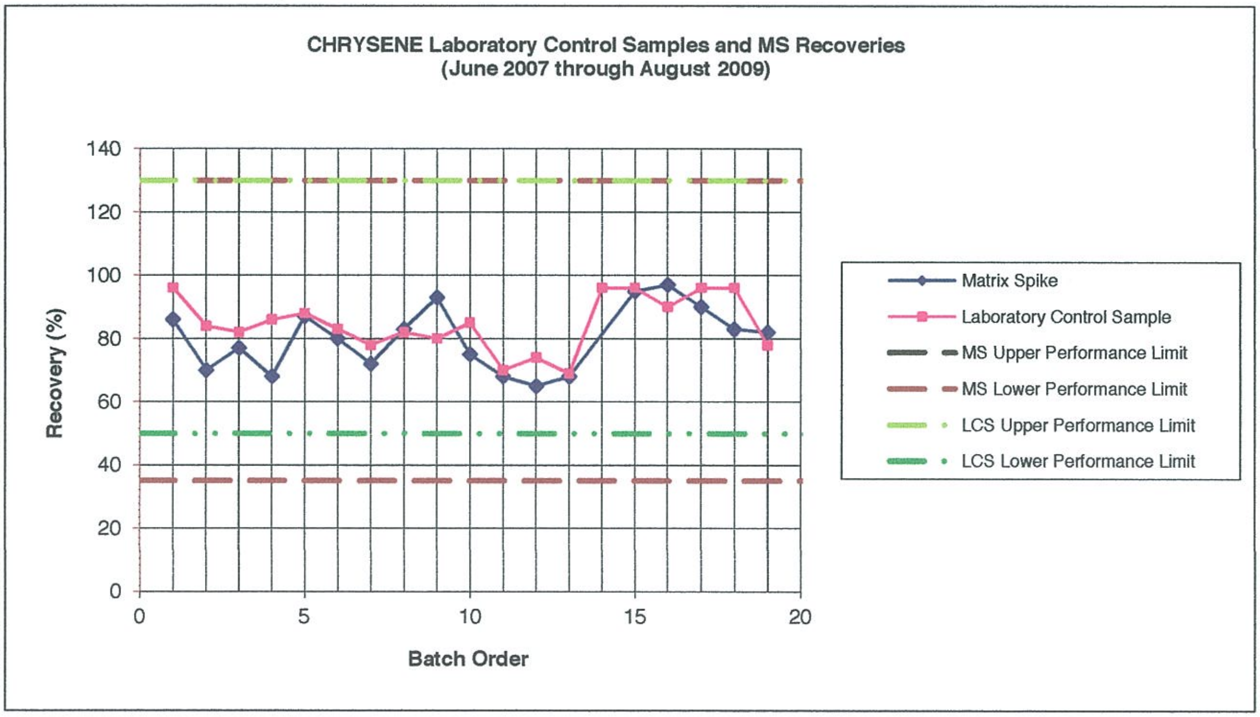


Table Chrysene-6: Chrysene - Laboratory MSD				
Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/15/08	30	49841	1
WS-N03-080507MSD	5/23/08	4	49912	2
WS-K05-080509MSD	5/30/08	5	50159	3
WS-K02-080509MSD	6/2/08	21	50169	4
BOR 52, 54, 57, 71MSD	6/4/08	9	50262	5
ES-S07-080521MSD	6/5/08	7	50282	6
BOR 500MSD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

Average MSD RPD = 8 %
Maximum MSD RPD = 30 %

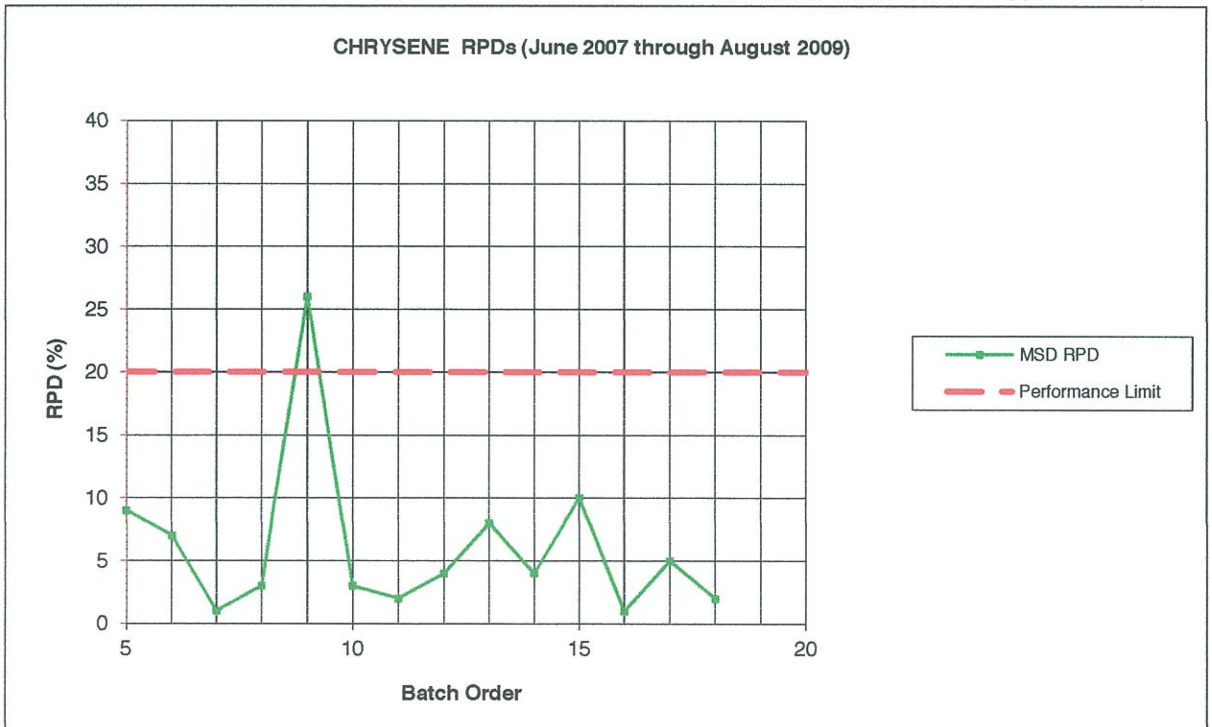


Table Chrysene-7: Method 8270CA Surrogate (Terphenyl-D14) Recoveries				
Sample	Recovery	Date	Batch	Order
WS-K04-080513	44	06/02/08	50169	65
ES-R06-080521	43	06/05/08	50282	100
ES-P07-080519	40	06/11/08	50403	110
ES-Q10-D0	36	03/10/09	56175	297
ES-P10-C1	47	03/11/09	56192	315
ES-R09-A1	18	03/12/09	56245	333
ES-N06-C0	48	03/17/09	56337	345
ES-T09-B1	18	03/17/09	56337	352

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

For all Surrogate Measurements	
Mean Recovery	77.0
Median	76.0
Mode	73.0
Standard Deviation	13.1
Minimum	18

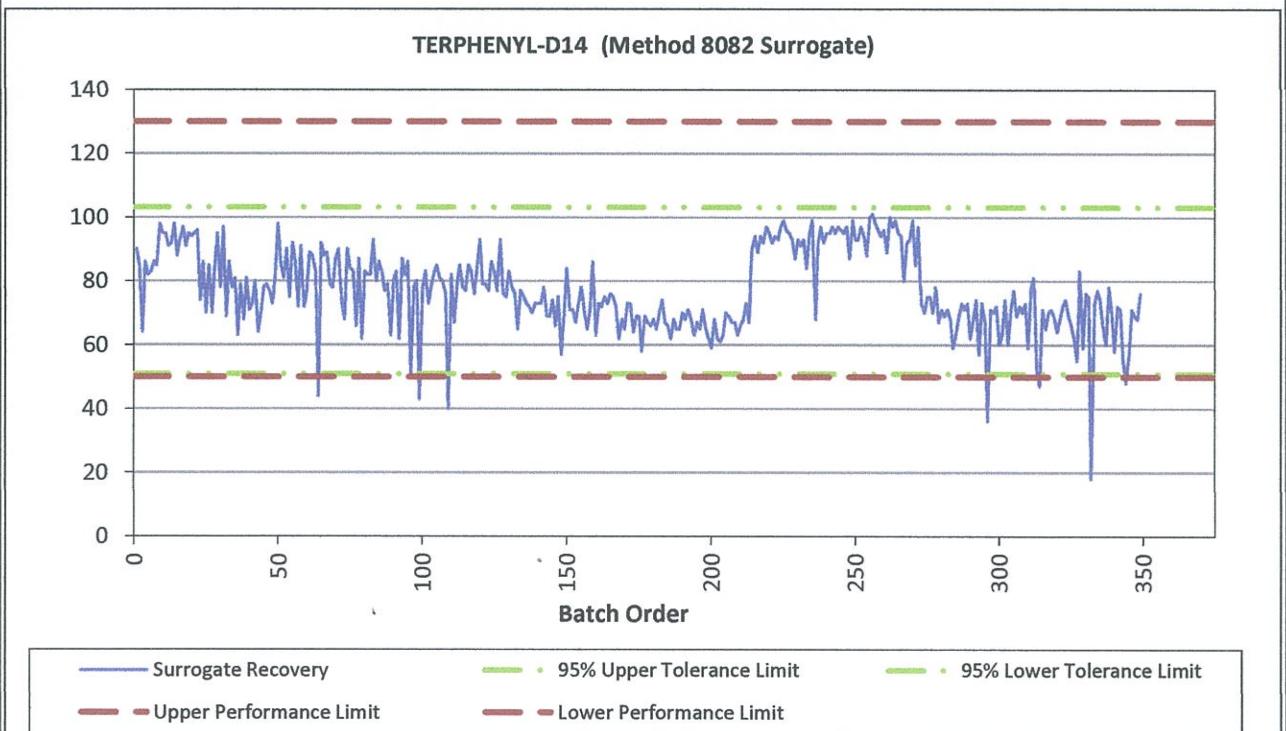
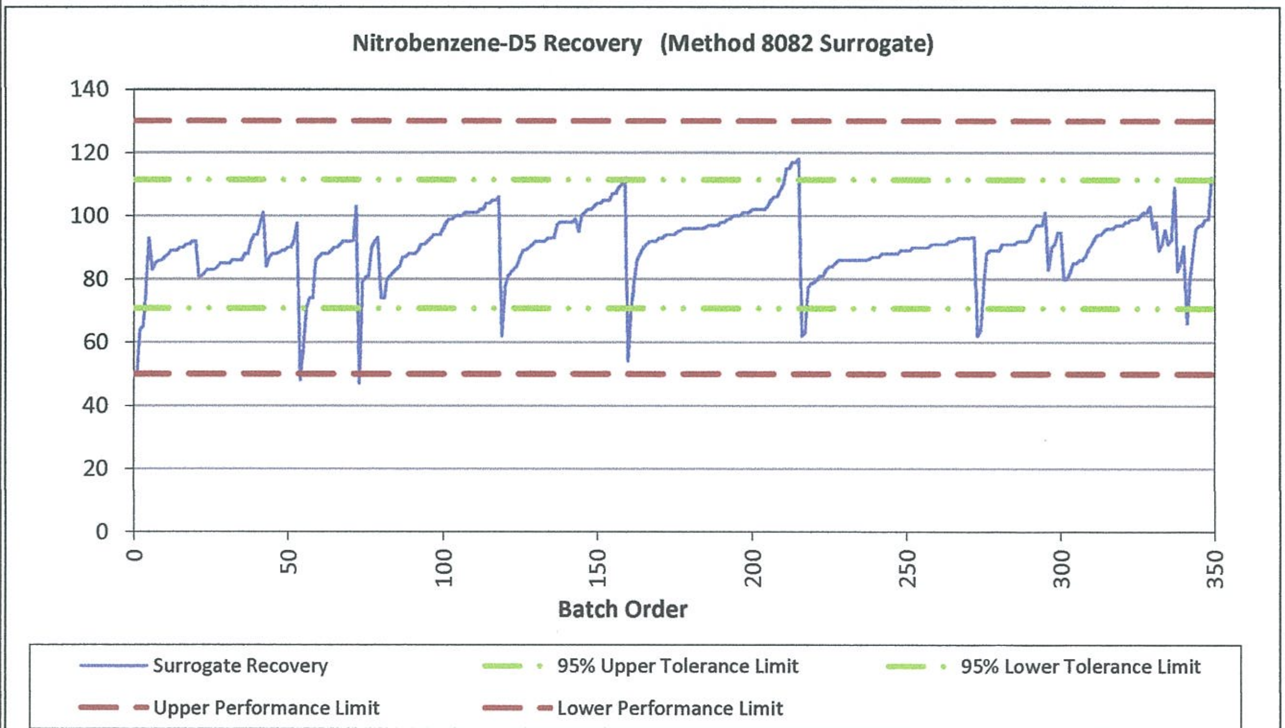
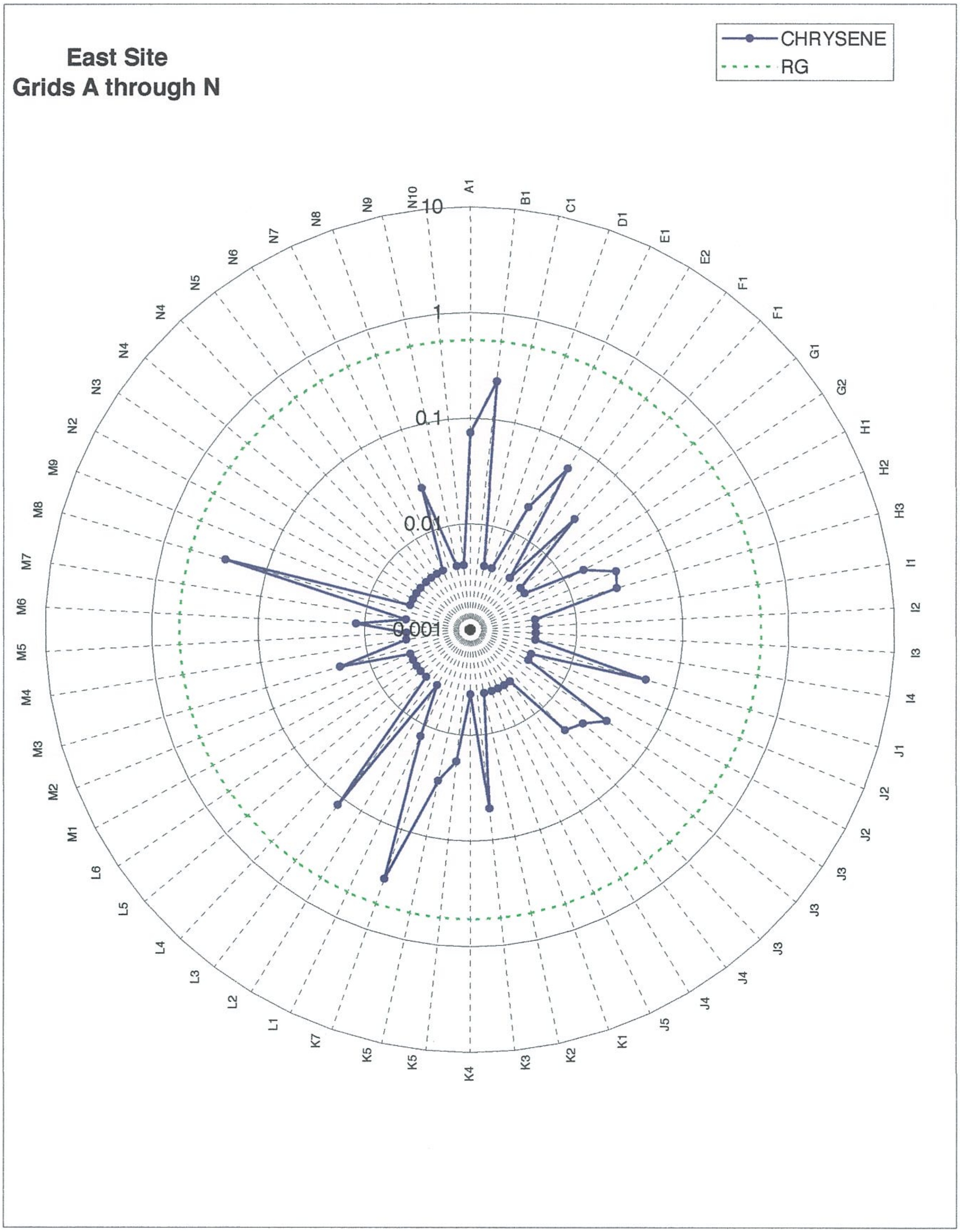


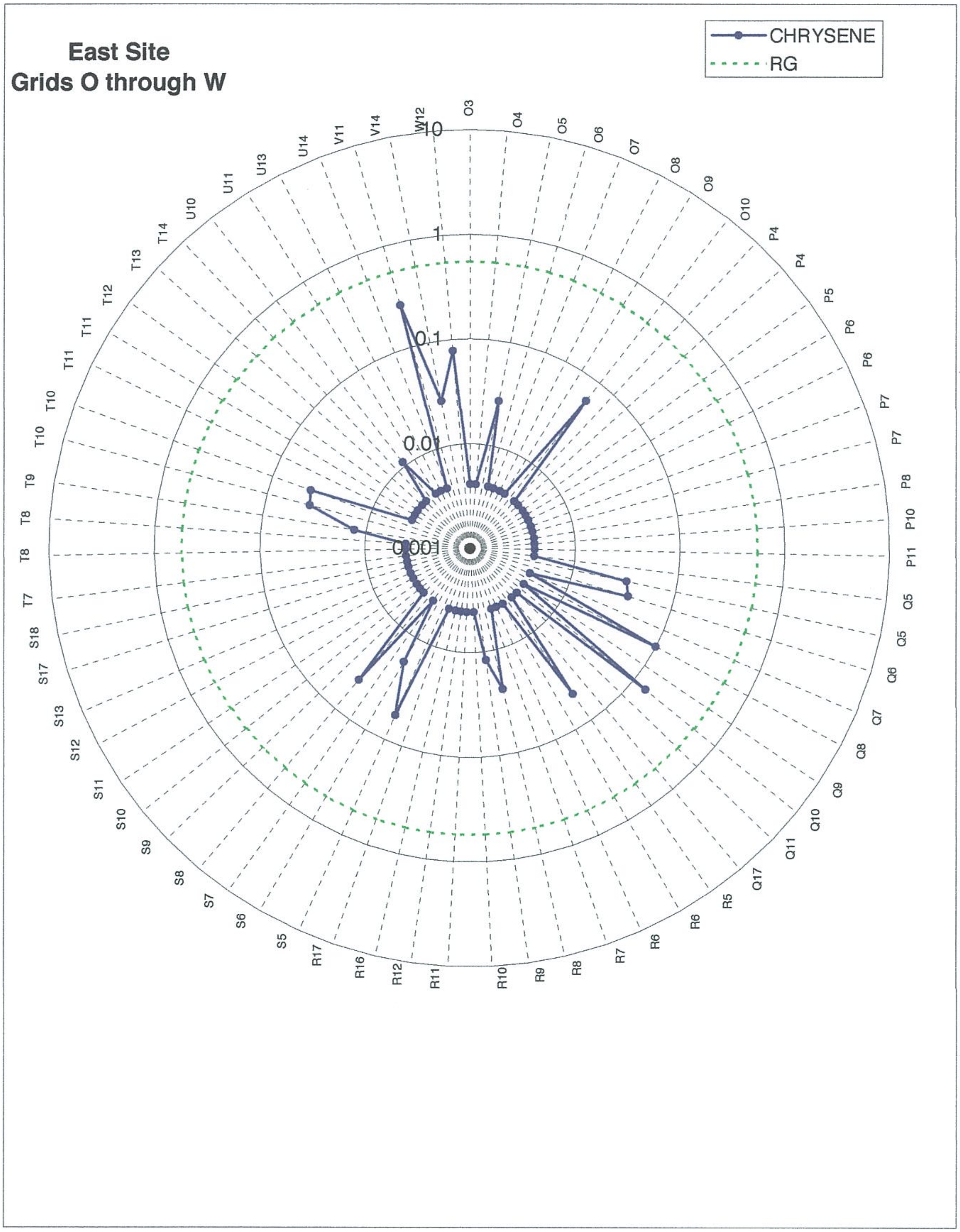
Table Chrysene-8: Method 8270CA Surrogate (Nitrobenzene-D5) Recoveries				
Sample	Recovery	Date	Batch	Order
A7E090000050C	51	39216	7129050	2
BK-102-070430N	64	39216	7129050	3
BK-101-070430N	65	39216	7129050	4
ES-O04-080515	48	39602	50226	55
ES-I02-080514	58	39602	50226	56
ES-P07-080519	47	39603	50226	74
ES-O07-080530	62	39612	50461	120
ES-R16-080605	112	39625	50603	160
ES-U13-080610	54	39626	50810	161
ES-Z10-080602 B	115	39626	50837	212
BOR 94	115	39626	50837	213
ES-Z05-080519 B	117	39626	50837	214
BOR SAMPLES 76,79,82	117	39626	50837	215
ES-Z11-080605 B	118	39626	50837	216
WS-E05-080613	62	39638	50838	217
WS-J04-080617	63	39638	50949	218
ES-K02-080602 B	62	39639	51068	274
BOR 510	64	39639	51067	275
WS-D04-090319	66	39909	56714	342
BOR-702	112	39909	56714	350

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

For all Surrogate Measurements	
Mean Recovery	91.1
Median	91
Mode	91
Standard Deviation	10.2
Minimum	47




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


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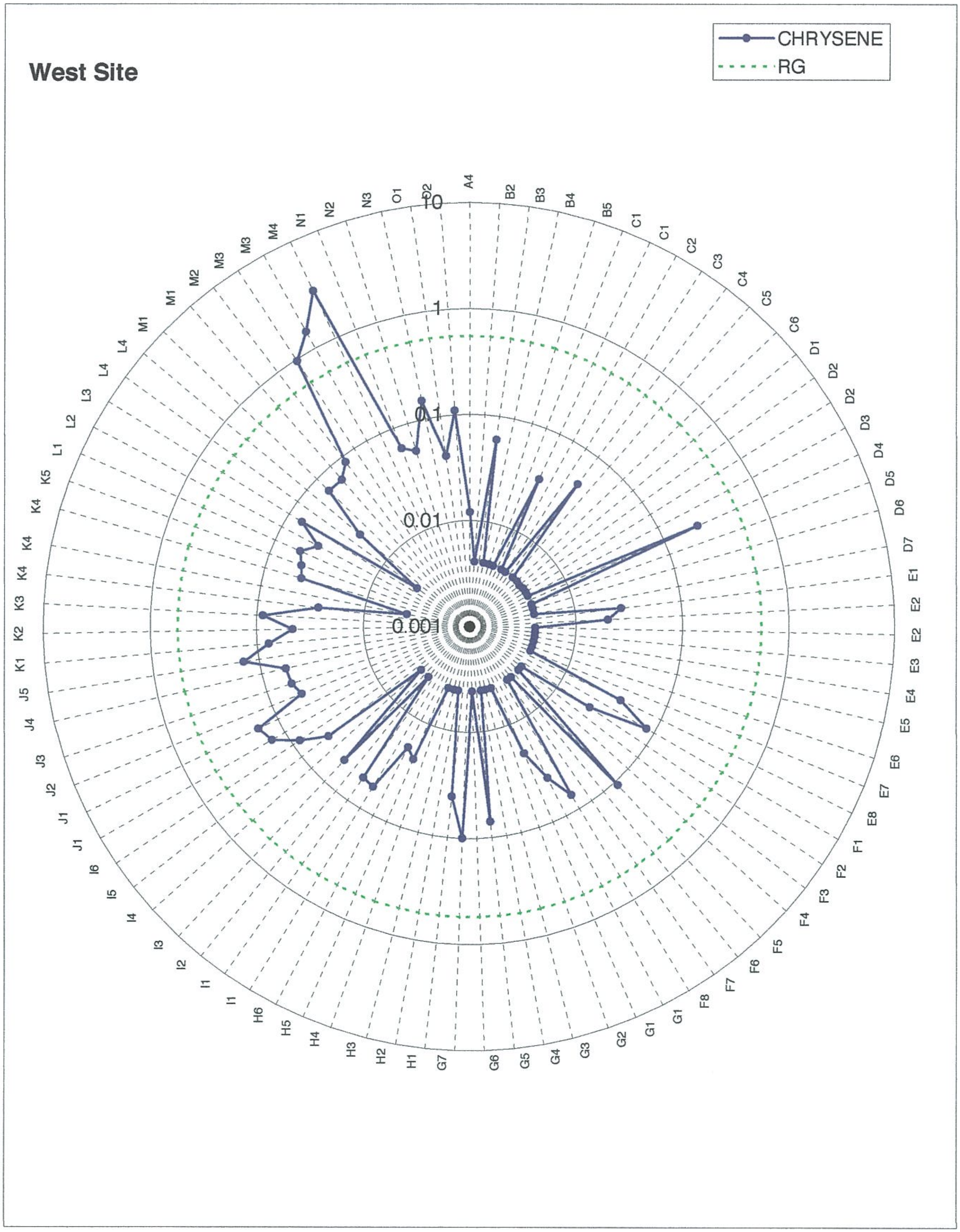
U14
V11
V14
W12



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

CHRYSENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	A1	ES-A01-080623	CHRYSENE	0.0730	07/21/08	51148	Y	ES-A01-080623
East	B1	ES-B01-080623	CHRYSENE	0.2300	07/21/08	51148	Y	ES-B01-080623
East	C1	ES-C01-080624	CHRYSENE	0.0041	07/21/08	51148	N	ES-C01-080624
East	D1	ES-D01-080624	CHRYSENE	0.0041	07/21/08	51148	N	ES-D01-080624
East	E1	ES-E01-080528	CHRYSENE	0.0190	06/05/08	50282	Y	ES-E01-080528
East	E2	ES-E02-080611	CHRYSENE	0.0600	07/25/08	51406	Y	ES-E02-080611
East	F1	ES-F01-080529	CHRYSENE	0.0041	06/23/08	50534	N	ES-F01-080529
East	F1	ES-F01-080529	CHRYSENE	0.0270	07/25/08	51406	Y	DUP-17
East	G1	ES-G01-080529	CHRYSENE	0.0041	06/23/08	50534	N	ES-G01-080529
East	G2	ES-G02-080605	CHRYSENE	0.0041	06/20/08	50635	N	ES-G02-080605
East	H1	ES-H01-080528	CHRYSENE	0.0160	06/05/08	50282	Y	ES-H01-080528
East	H2	ES-H02-080515	CHRYSENE	0.0300	06/02/08	50169	Y	ES-H02-080515
East	H3	ES-H03-080605	CHRYSENE	0.0270	06/20/08	50635	Y	ES-H03-080605
East	I1	ES-I01-080529	CHRYSENE	0.0041	06/23/08	50534	N	ES-I01-080529
East	I2	ES-I02-080514	CHRYSENE	0.0041	06/02/08	50169	N	ES-I02-080514
East	I3	ES-I03-080513	CHRYSENE	0.0041	06/02/08	50169	N	ES-I03-080513
East	I4	ES-I04-080602	CHRYSENE	0.0041	06/23/08	50534	N	ES-I04-080602
East	J1	ES-J01-080529	CHRYSENE	0.0520	06/23/08	50534	Y	ES-J01-080529
East	J2	ES-J02-080527	CHRYSENE	0.0041	06/04/08	50262	N	ES-J02-080527
East	J2	ES-J02-080527	CHRYSENE	0.0041	06/26/08	50781	N	DUP-15
East	J3	ES-J03-080513	CHRYSENE	0.0350	06/02/08	50169	Y	ES-J03-080513
East	J3	ES-J03-080513	CHRYSENE	0.0240	06/20/08	50635	Y	DUP-11
East	J3	ES-J03-090323	CHRYSENE	0.0200	04/03/09	56623	Y	ES-J03-090323
East	J4	ES-J04-080530	CHRYSENE	0.0041	06/23/08	50534	N	ES-J04-080530
East	J4	ES-J04-080530	CHRYSENE	0.0041	07/21/08	51148	N	DUP-18
East	J5	ES-J05-080602	CHRYSENE	0.0041	06/23/08	50534	N	ES-J05-080602
East	K1	ES-K01-080602	CHRYSENE	0.0041	06/23/08	50534	N	ES-K01-080602
East	K2	ES-K02-080602	CHRYSENE	0.0041	06/20/08	50635	N	ES-K02-080602
East	K3	ES-K03-080514	CHRYSENE	0.0500	06/02/08	50169	Y	ES-K03-080514
East	K4	ES-K04-080527	CHRYSENE	0.0041	06/04/08	50262	N	ES-K04-080527
East	K5	ES-K05-080605	CHRYSENE	0.0180	06/20/08	50635	Y	ES-K05-080605
East	K5	ES-K05-080605	CHRYSENE	0.0290	07/21/08	51148	Y	DUP-19
East	K7	ES-K07-080611	CHRYSENE	0.3100	06/26/08	50781	Y	ES-K07-080611
East	L1	ES-L01-080625	CHRYSENE	0.0130	07/17/08	51151	Y	ES-L01-080625
East	L2	ES-L02-080625	CHRYSENE	0.0041	07/17/08	51151	N	ES-L02-080625
East	L3	ES-L03-080604	CHRYSENE	0.1200	06/20/08	50635	Y	ES-L03-080604
East	L4	ES-L04-080604	CHRYSENE	0.0041	06/20/08	50635	N	ES-L04-080604
East	L5	ES-L05-080620	CHRYSENE	0.0041	07/18/08	51147	N	ES-L05-080620
East	L6	ES-L06-080605	CHRYSENE	0.0041	06/28/08	50807	N	ES-L06-080605
East	M1	ES-M01-080527	CHRYSENE	0.0041	06/04/08	50262	N	ES-M01-080527
East	M2	ES-M02-080519	CHRYSENE	0.0041	06/05/08	50282	N	ES-M02-080519
East	M3	ES-M03-080519	CHRYSENE	0.0190	06/03/08	50169	Y	ES-M03-080519
East	M4	ES-M04-080515	CHRYSENE	0.0041	06/02/08	50169	N	ES-M04-080515
East	M5	ES-M05-080527	CHRYSENE	0.0040	06/04/08	50262	N	ES-M05-080527
East	M6	ES-M06-080520	CHRYSENE	0.0120	06/05/08	50282	Y	ES-M06-080520
East	M7	ES-M07-080612	CHRYSENE	0.0041	07/09/08	51046	N	ES-M07-080612

CHRYSENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_ value	analysis_ date	batch _id	detect _flag	sample_name
East	M8	ES-M08-080610	CHRYSENE	0.2500	06/28/08	50807	Y	ES-M08-080610
East	M9	ES-M09-080611	CHRYSENE	0.0041	06/26/08	50781	N	ES-M09-080611
East	N2	ES-N02-080528	CHRYSENE	0.0041	06/05/08	50262	N	ES-N02-080528
East	N3	ES-N03-080520	CHRYSENE	0.0041	06/05/08	50282	N	ES-N03-080520
East	N4	ES-N04-080519	CHRYSENE	0.0041	06/02/08	50169	N	ES-N04-080519
East	N4	ES-N04-080519	CHRYSENE	0.0041	07/25/08	51406	N	ES-N04-080519
East	N5	ES-N05-080519	CHRYSENE	0.0041	06/02/08	50169	N	ES-N05-080519
East	N6	ES-N06-080527	CHRYSENE	0.0041	06/04/08	50262	N	ES-N06-080527
East	N7	ES-N07-080530	CHRYSENE	0.0041	06/23/08	50534	N	ES-N07-080530
East	N8	ES-N08-080610	CHRYSENE	0.0260	06/28/08	50807	Y	ES-N08-080610
East	N9	ES-N09-080610	CHRYSENE	0.0041	06/26/08	50781	N	ES-N09-080610
East	N10	ES-N10-080610	CHRYSENE	0.0041	06/28/08	50807	N	ES-N10-080610
East	O3	ES-O03-080528	CHRYSENE	0.0041	06/05/08	50262	N	ES-O03-080528
East	O4	ES-O04-080515	CHRYSENE	0.0041	06/02/08	50169	N	ES-O04-080515
East	O5	ES-O05-080520	CHRYSENE	0.0270	06/05/08	50282	Y	ES-O05-080520
East	O6	ES-O06-080529	CHRYSENE	0.0041	06/23/08	50534	N	ES-O06-080529
East	O7	ES-O07-080530	CHRYSENE	0.0041	06/23/08	50534	N	ES-O07-080530
East	O8	ES-O08-080530	CHRYSENE	0.0041	06/23/08	50534	N	ES-O08-080530
East	O9	ES-O09-080610	CHRYSENE	0.0041	06/28/08	50807	N	ES-O09-080610
East	O10	ES-O10-080611	CHRYSENE	0.0610	06/26/08	50781	Y	ES-O10-080611
East	P4	ES-P04-080528	CHRYSENE	0.0041	06/05/08	50282	N	ES-P04-080528
East	P4	ES-P04-080528	CHRYSENE	0.0041	07/18/08	51147	N	DUP-16
East	P5	ES-P05-080513	CHRYSENE	0.0041	06/02/08	50169	N	ES-P05-080513
East	P6	ES-P06-080515	CHRYSENE	0.0041	06/02/08	50169	N	ES-P06-080515
East	P6	ES-P06-080515	CHRYSENE	0.0041	06/28/08	50807	N	DUP-12
East	P7	ES-P07-080519	CHRYSENE	0.0041	06/11/08	50403	N	ES-P07-080519
East	P7	ES-P07-080519	CHRYSENE	0.0041	07/25/08	51406	N	ES-P07-080519
East	P8	ES-P08-080530	CHRYSENE	0.0041	06/23/08	50534	N	ES-P08-080530
East	P10	ES-P10-080606	CHRYSENE	0.0041	06/20/08	50635	N	ES-P10-080606
East	P11	ES-P11-080606	CHRYSENE	0.0041	06/20/08	50635	N	ES-P11-080606
East	Q5	ES-Q05-080520	CHRYSENE	0.0041	06/05/08	50282	N	ES-Q05-080520
East	Q5	ES-Q05-080520	CHRYSENE	0.0330	07/25/08	51406	Y	ES-Q05-080520
East	Q6	ES-Q06-080520	CHRYSENE	0.0370	06/05/08	50282	Y	ES-Q06-080520
East	Q7	ES-Q07-080519	CHRYSENE	0.0041	06/03/08	50169	N	ES-Q07-080519
East	Q8	ES-Q08-080519	CHRYSENE	0.1000	06/03/08	50169	Y	ES-Q08-080519
East	Q9	ES-Q09-080612	CHRYSENE	0.0041	06/26/08	50781	N	ES-Q09-080612
East	Q10	ES-Q10-080606	CHRYSENE	0.1400	06/20/08	50635	Y	ES-Q10-080606
East	Q11	ES-Q11-080606	CHRYSENE	0.0041	06/20/08	50635	N	ES-Q11-080606
East	Q17	ES-Q17-080609	CHRYSENE	0.0041	06/28/08	50807	N	ES-Q17-080609
East	R5	ES-R05-080521	CHRYSENE	0.0500	06/05/08	50282	Y	ES-R05-080521
East	R6	ES-R06-080521	CHRYSENE	0.0041	06/05/08	50282	N	ES-R06-080521
East	R6	ES-R06-080521	CHRYSENE	0.0041	07/25/08	51406	N	ES-R06-080521
East	R7	ES-R07-080521	CHRYSENE	0.0041	06/05/08	50282	N	ES-R07-080521
East	R8	ES-R08-080519	CHRYSENE	0.0240	06/05/08	50282	Y	ES-R08-080519
East	R9	ES-R09-080520	CHRYSENE	0.0120	06/11/08	50403	Y	ES-R09-080520
East	R10	ES-R10-080602	CHRYSENE	0.0041	06/23/08	50534	N	ES-R10-080602

CHRYSENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_ value	analysis_ date	batch _id	detect _flag	sample_name
East	R11	ES-R11-080605	CHRYSENE	0.0041	06/20/08	50635	N	ES-R11-080605
East	R12	ES-R12-080611	CHRYSENE	0.0041	06/26/08	50781	N	ES-R12-080611
East	R16	ES-R16-080605	CHRYSENE	0.0041	06/20/08	50635	N	ES-R16-080605
East	R17	ES-R17-080606	CHRYSENE	0.0041	06/20/08	50635	N	ES-R17-080606
East	S5	ES-S05-080521	CHRYSENE	0.0560	06/05/08	50282	Y	ES-S05-080521
East	S6	ES-S06-080521	CHRYSENE	0.0180	06/05/08	50282	Y	ES-S06-080521
East	S7	ES-S07-080521	CHRYSENE	0.0041	06/05/08	50282	N	ES-S07-080521
East	S8	ES-S08-080522	CHRYSENE	0.0440	06/04/08	50262	Y	ES-S08-080522
East	S9	ES-S09-080522	CHRYSENE	0.0041	06/04/08	50262	N	ES-S09-080522
East	S10	ES-S10-080523	CHRYSENE	0.0041	06/04/08	50262	N	ES-S10-080523
East	S11	ES-S11-080528	CHRYSENE	0.0041	06/05/08	50262	N	ES-S11-080528
East	S12	ES-S12-080609	CHRYSENE	0.0041	06/28/08	50807	N	ES-S12-080609
East	S13	ES-S13-080610	CHRYSENE	0.0041	06/28/08	50807	N	ES-S13-080610
East	S17	ES-S17-080606	CHRYSENE	0.0041	06/20/08	50635	N	ES-S17-080606
East	S18	ES-S18-080606	CHRYSENE	0.0041	06/20/08	50635	N	ES-S18-080606
East	T7	ES-T07-080612	CHRYSENE	0.0041	06/26/08	50781	N	ES-T07-080612
East	T8	ES-T08-080522	CHRYSENE	0.0041	06/04/08	50262	N	ES-T08-080522
East	T8	ES-T08-080522	CHRYSENE	0.0041	06/28/08	50807	N	DUP-13
East	T9	ES-T09-080522	CHRYSENE	0.0130	06/04/08	50262	Y	ES-T09-080522
East	T10	ES-T10-080523	CHRYSENE	0.0380	06/04/08	50262	Y	ES-T10-080523
East	T10	ES-T10-080523	CHRYSENE	0.0410	07/09/08	51046	Y	DUP-14
East	T11	ES-T11-080530	CHRYSENE	0.0041	06/23/08	50534	N	ES-T11-080530
East	T11	ES-T11-080530	CHRYSENE	0.0041	07/25/08	51406	N	ES-T11-080530
East	T12	ES-T12-080609	CHRYSENE	0.0041	06/28/08	50807	N	ES-T12-080609
East	T13	ES-T13-080609	CHRYSENE	0.0041	06/28/08	50807	N	ES-T13-080609
East	T14	ES-T14-080610	CHRYSENE	0.0041	06/28/08	50807	N	ES-T14-080610
East	U10	ES-U10-080523	CHRYSENE	0.0110	06/04/08	50262	Y	ES-U10-080523
East	U11	ES-U11-080602	CHRYSENE	0.0041	06/20/08	50635	N	ES-U11-080602
East	U13	ES-U13-080610	CHRYSENE	0.0041	06/28/08	50807	N	ES-U13-080610
East	U14	ES-U14-080610	CHRYSENE	0.0041	06/28/08	50807	N	ES-U14-080610
East	V11	ES-V11-080529	CHRYSENE	0.2600	06/23/08	50534	Y	ES-V11-080529
East	V14	ES-V14-080605	CHRYSENE	0.0270	06/20/08	50635	Y	ES-V14-080605
East	W12	ES-W12-080527	CHRYSENE	0.0780	06/04/08	50262	Y	ES-W12-080527
West	A4	WS-A04-080626	CHRYSENE	0.0120	07/17/08	51151	Y	WS-A04-080626
West	B2	WS-B02-080502	CHRYSENE	0.0041	05/29/08	49912	N	WS-B02-080502
West	B3	WS-B03-080502	CHRYSENE	0.0600	05/20/08	49912	Y	WS-B03-080502
West	B4	WS-B04-080626	CHRYSENE	0.0041	07/17/08	51151	N	WS-B04-080626
West	B5	WS-B05-080626	CHRYSENE	0.0041	07/17/08	51151	N	WS-B05-080626
West	C1	WS-C01-080501	CHRYSENE	0.0041	05/15/08	49841	N	WS-C01-080501
West	C1	WS-C01-080501	CHRYSENE	0.0340	05/30/08	50159	Y	DUP-3
West	C2	WS-C02-080428	CHRYSENE	0.0041	05/15/08	49841	N	WS-C02-080428
West	C3	WS-C03-080620	CHRYSENE	0.0041	07/18/08	51147	N	WS-C03-080620
West	C4	WS-C04-080623	CHRYSENE	0.0480	07/21/08	51148	Y	WS-C04-080623
West	C5	WS-C05-080620	CHRYSENE	0.0041	07/09/08	51046	N	WS-C05-080620
West	C6	WS-C06-080624	CHRYSENE	0.0041	07/21/08	51148	N	WS-C06-080624
West	D1	WS-D01-080430	CHRYSENE	0.0040	05/15/08	49841	N	WS-D01-080430

CHRYSENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	D2	WS-D02-080429	CHRYSENE	0.0041	05/15/08	49841	N	DUP-2
West	D2	WS-D02-080429	CHRYSENE	0.0041	05/15/08	49841	N	WS-D02-080429
West	D3	WS-D03-080620	CHRYSENE	0.0041	07/18/08	51147	N	WS-D03-080620
West	D4	WS-D04-080623	CHRYSENE	0.2200	07/17/08	51151	Y	WS-D04-080623
West	D5	WS-D05-080620	CHRYSENE	0.0041	07/18/08	51147	N	WS-D05-080620
West	D6	WS-D06-080619	CHRYSENE	0.0041	07/18/08	51147	N	WS-D06-080619
West	D7	WS-D07-080619	CHRYSENE	0.0041	07/18/08	51147	N	WS-D07-080619
West	E1	WS-E01-080430	CHRYSENE	0.0270	05/15/08	49841	Y	WS-E01-080430
West	E2	WS-E02-080428	CHRYSENE	0.0200	05/15/08	49841	Y	DUP-1
West	E2	WS-E02-080428	CHRYSENE	0.0041	05/15/08	49841	N	WS-E02-080428
West	E3	WS-E03-080619	CHRYSENE	0.0041	07/18/08	51147	N	WS-E03-080619
West	E4	WS-E04-080613	CHRYSENE	0.0041	07/09/08	51044	N	WS-E04-080613
West	E5	WS-E05-080613	CHRYSENE	0.0041	06/26/08	50781	N	WS-E05-080613
West	E6	WS-E06-080613	CHRYSENE	0.0041	07/17/08	51151	N	WS-E06-080613
West	E7	WS-E07-080613	CHRYSENE	0.0041	07/09/08	51044	N	WS-E07-080613
West	E8	WS-E08-080616	CHRYSENE	0.0380	07/09/08	51044	Y	WS-E08-080616
West	F1	WS-F01-080429	CHRYSENE	0.0830	05/15/08	49841	Y	WS-F01-080429
West	F2	WS-F02-080429	CHRYSENE	0.0230	05/15/08	49841	Y	WS-F02-080429
West	F3	WS-F03-080619	CHRYSENE	0.0041	07/18/08	51147	N	WS-F03-080619
West	F4	WS-F04-080616	CHRYSENE	0.0041	07/09/08	51044	N	WS-F04-080616
West	F5	WS-F05-080612	CHRYSENE	0.1100	07/09/08	51044	Y	WS-F05-080612
West	F6	WS-F06-080612	CHRYSENE	0.0041	07/09/08	51044	N	WS-F06-080612
West	F7	WS-F07-080617	CHRYSENE	0.0041	07/09/08	51044	N	WS-F07-080617
West	F8	WS-F08-080618	CHRYSENE	0.0710	07/18/08	51147	Y	WS-F08-080618
West	G1	WS-G01-080501	CHRYSENE	0.0400	05/15/08	49841	Y	WS-G01-080501
West	G1	WS-G01-080501	CHRYSENE	0.0200	05/30/08	50159	Y	DUP-4
West	G2	WS-G02-080618	CHRYSENE	0.0041	07/18/08	51147	N	WS-G02-080618
West	G3	WS-G03-080619	CHRYSENE	0.0041	07/18/08	51147	N	WS-G03-080619
West	G4	WS-G04-080616	CHRYSENE	0.0041	07/09/08	51044	N	WS-G04-080616
West	G5	WS-G05-080613	CHRYSENE	0.0710	06/26/08	50781	Y	WS-G05-080613
West	G6	WS-G06-080616	CHRYSENE	0.0041	07/09/08	51044	N	WS-G06-080616
West	G7	WS-G07-080617	CHRYSENE	0.1000	07/09/08	51044	Y	WS-G07-080617
West	H1	WS-H01-080501	CHRYSENE	0.0410	05/20/08	49912	Y	WS-H01-080501
West	H2	WS-H02-080618	CHRYSENE	0.0041	07/18/08	51147	N	WS-H02-080618
West	H3	WS-H03-080619	CHRYSENE	0.0041	07/18/08	51147	N	WS-H03-080619
West	H4	WS-H04-080616	CHRYSENE	0.0041	07/09/08	51044	N	WS-H04-080616
West	H5	WS-H05-080613	CHRYSENE	0.0230	07/09/08	51044	Y	WS-H05-080613
West	H6	WS-H06-080617	CHRYSENE	0.0190	07/09/08	51044	Y	WS-H06-080617
West	I1	WS-I01-080501	CHRYSENE	0.0580	05/29/08	49912	Y	WS-I01-080501
West	I1	WS-I01-080501	CHRYSENE	0.0550	05/30/08	50159	Y	DUP-5
West	I2	WS-I02-080618	CHRYSENE	0.0041	07/18/08	51147	N	WS-I02-080618
West	I3	WS-I03-080618	CHRYSENE	0.0530	07/18/08	51147	Y	WS-I03-080618
West	I4	WS-I04-080617	CHRYSENE	0.0041	07/09/08	51044	N	WS-I04-080617
West	I5	WS-I05-080617	CHRYSENE	0.0480	07/09/08	51044	Y	WS-I05-080617
West	I6	WS-I06-080617	CHRYSENE	0.0840	07/09/08	51044	Y	WS-I06-080617
West	J1	WS-J01-080505	CHRYSENE	0.1400	05/29/08	49912	Y	WS-J01-080505

CHRYSENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_ value	analysis_ date	batch _id	detect _flag	sample_name
West	J1	WS-J01-080505	CHRYSENE	0.1600	06/05/08	50282	Y	DUP-6
West	J2	WS-J02-080624	CHRYSENE	0.0500	07/21/08	51148	Y	WS-J02-080624
West	J3	WS-J03-080620	CHRYSENE	0.0570	07/09/08	51046	Y	WS-J03-080620
West	J4	WS-J04-080617	CHRYSENE	0.0590	07/09/08	51044	Y	WS-J04-080617
West	J5	WS-J05-080618	CHRYSENE	0.1400	07/18/08	51147	Y	WS-J05-080618
West	K1	WS-K01-080505	CHRYSENE	0.0780	05/28/08	49912	Y	WS-K01-080505
West	K2	WS-K02-080509	CHRYSENE	0.0460	06/02/08	50169	Y	WS-K02-080509
West	K3	WS-K03-080509	CHRYSENE	0.0880	06/02/08	50169	Y	WS-K03-080509
West	K4	WS-K04-080513	CHRYSENE	0.0270	06/02/08	50169	Y	WS-K04-080513
West	K4	WS-K04-080513	CHRYSENE	0.0040	06/23/08	50534	N	DUP-10
West	K4	WS-K04-080513	CHRYSENE	0.0440	07/25/08	51406	Y	WS-K04-080513
West	K5	WS-K05-080509	CHRYSENE	0.0480	05/30/08	50159	Y	WS-K05-080509
West	L1	WS-L01-080505	CHRYSENE	0.0550	05/28/08	49912	Y	WS-L01-080505
West	L2	WS-L02-080508	CHRYSENE	0.0410	05/20/08	49912	Y	WS-L02-080508
West	L3	WS-L03-080508	CHRYSENE	0.0720	05/20/08	49912	Y	WS-L03-080508
West	L4	WS-L04-080508	CHRYSENE	0.0041	05/20/08	49912	N	WS-L04-080508
West	L4	WS-L04-080508	CHRYSENE	0.0220	06/05/08	50282	Y	DUP-9
West	M1	WS-M01-080505	CHRYSENE	0.0690	05/29/08	49912	Y	WS-M01-080505
West	M1	WS-M01-080505	CHRYSENE	0.0680	05/30/08	50159	Y	DUP-7
West	M2	WS-M02-080507	CHRYSENE	0.0870	05/29/08	49912	Y	WS-M02-080507
West	M3	WS-M03-080507	CHRYSENE	0.9600	05/29/08	49912	Y	WS-M03-080507
West	M3	WS-M03-080507	CHRYSENE	1.5000	06/05/08	50262	Y	DUP-8
West	M4	WS-M04-080507	CHRYSENE	3.1000	06/04/08	49912	Y	WS-M04-080507
West	N1	WS-N01-080506	CHRYSENE	0.0630	05/29/08	49912	Y	WS-N01-080506
West	N2	WS-N02-080506	CHRYSENE	0.0540	05/20/08	49912	Y	WS-N02-080506
West	N3	WS-N03-080507	CHRYSENE	0.1500	05/20/08	49912	Y	WS-N03-080507
West	O1	WS-O01-080506	CHRYSENE	0.0420	05/28/08	49912	Y	WS-O01-080506
West	O2	WS-O02-080506	CHRYSENE	0.1100	05/29/08	49912	Y	WS-O02-080506

Table Dibenz(a,h)anthracene-1: Dibenzanthracene Data Quality Summary

Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	71%	
Minimum Matrix Spike Recovery	greater than 35%	35%	
Minimum Surrogate Recovery	greater than 50%	18%	Terphenyl-D14
Average LCS Recovery	N/A	91%	
Average Matrix Spike Recovery	N/A	74%	
Average Surrogate Recovery	N/A	77%	Terphenyl-D14
Maximum MSD RPD	less than 35%	31%	
Average MSD RPD	N/A	11%	
Measurement Quality Objectives	**Critera**	**Measured**	
NPS CRM	Recovery greater than 0.463	Minimum Recovery =	0.760 mg/kg
EQIS CRM	Recovery greater than 0.533	Minimum Recovery =	0.460 mg/kg
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	N/A %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	35 %
Overall QC Indicator Measurements	**Criteria**	**Measured**	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	85.3 %
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	0.54 mg/kg	See Note 1	

Comments: Surrogate recoveries and minimum LCS recovery (71%) are generally low, indicating a bias favoring low measurements. Low minimum and low average matrix spike recoveries (35% and 74% respectively) also indicate a potential bias favoring low measurements. A minimum EQIS CRM recovery (0.360 mg/kg) less than the lower confidence limit (0.533 mg/kg) suggests a bias towards low measurements. An average recovery of the NPS CRM (85.3%) indicates measurement bias favoring low measurements; however, the data set is relatively small. A maximum CVS split analysis RPD (71%) indicates precision issues. The derived reliance level (0.54 mg/kg) is less than the RG (0.55 mg/kg) due primarily to measurement imprecision. However, all CVS sample dibenz(a,h)anthrancene measurements that exceeded the derived reliance level also exceeded the dibenz(a,h)anthrancene RG. Consequently, decisions related to dibenz(a,h)anthrancene RG attainment in these grids are not affected by bias in these measurements. Therefore, it is concluded that the dibenz(a,h)anthrancene CVS measurements are of acceptable quality and may be used to determine RG achievement.

Note 1: The standard deviation of NPS CRM split analyses (0.027 mg/kg) and average NPS CRM recovery (85.3%) are used to represent measurement imprecision and bias near the RG respectively to calculate the derived reliance level (0.54 mg/kg).

Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.55)(1.2)(.853)-(0.84)(0.027) =0.54 mg/kg

Table Dibenz(a,h)anthracene-2: Dibenzanthracene - NPS CRMs				
Blind NPS CRM Results				
Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 70	0.82	6/2/08	50169	Y
BO 50,55,58,72	0.76	6/23/08	50534	Y
BOR 102-96-99-105	0.81	7/9/08	51046	Y
BOR 103,97,100,106	0.77	7/21/08	51148	Y
BOR 104	0.77	7/21/08	51148	Y

CRMs		Vendor Supplied Information
Mean	0.786	*Made to*
Standard Error	0.01208	*0.921 mg/kg*
Median	0.77	
Standard Deviation	0.027	*Upper Acceptance Limit*
Sample Variance	0.001	*1.08 mg/kg*
Kurtosis	-2.71	
Skewness	0.58	*Lower Acceptance Limit*
Range	0.060	*0.463 mg/kg*
Minimum	0.760	
Maximum	0.820	
Sum	3.930	
Count	5	
Largest(2)	0.810	
Smallest(2)	0.770	

Table Dibenz(a,h)anthracene-3: Dibenzanthracene 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	0.0067	6/5/2008	
BOR 500	0.0067	6/11/08	50403	WS-F01-080429	0.0067	5/15/2008	
BOR 505	0.0067	6/23/08	50534	WS-K03-080509	0.0067	6/2/2008	
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	0.0067	6/4/2008	
BOR 502	0.0067	7/21/08	51148	WS-F05-080612	0.0067	7/9/2008	
BOR 507	0.0067	7/21/08	51148	ES-O09-080610	0.0067	6/28/2008	
BOR 508	0.0067	7/21/08	51148	ES-Q11-080606	0.0067	6/20/2008	
BOR 509	0.0067	7/21/08	51148	WS-E06-080613	0.0067	7/17/2008	
BOR 510	0.0067	7/21/08	51148	OU-8HR-080605	0.0067	6/20/2008	
DUP-1	0.0068	5/15/08	49841	WS-E02-080428	0.0067	5/15/2008	
DUP-2	0.0068	5/15/08	49841	WS-D02-080429	0.0067	5/15/2008	
DUP-3	0.0068	5/30/08	50159	WS-C01-080501	0.0067	5/15/2008	
DUP-4	0.0051	5/30/08	50159	WS-G01-080501	0.0067	5/15/2008	
DUP-5	0.0071	5/30/08	50159	WS-I01-080501	0.0067	5/29/2008	
DUP-7	0.0069	5/30/08	50159	WS-M01-080505	0.0067	5/29/2008	
DUP-6	0.0068	6/5/08	50282	WS-J01-080505	0.0067	5/29/2008	
DUP-8	0.0068	6/5/08	50262	WS-M03-080507	0.0067	5/29/2008	
DUP-9	0.0068	6/5/08	50282	WS-L04-080508	0.0067	6/5/2008	
DUP-11	0.0068	6/20/08	50635	ES-J03-080513	0.0067	6/2/2008	
DUP-10	0.0067	6/23/08	50534	WS-K04-080513	0.0067	6/2/2008	
DUP-15	0.0068	6/26/08	50781	ES-J02-080527	0.0067	6/4/2008	
DUP-12	0.0068	6/28/08	50807	ES-P06-080515	0.0067	6/2/2008	
DUP-13	0.0068	6/28/08	50807	ES-T08-080522	0.0067	6/4/2008	
DUP-14	0.0068	7/9/08	51046	ES-T10-080523	0.0067	6/4/2008	
DUP-16	0.0068	7/18/08	51147	ES-P04-080528	0.0067	6/5/2008	
DUP-18	0.0068	7/21/08	51148	ES-J04-080530	0.0067	6/23/2008	
DUP-19	0.0050	7/21/08	51148	ES-K05-080605	0.0067	6/20/2008	
DUP-17	0.0068	7/25/08	51406	ES-F01-080529	0.0067	6/23/2008	

☐ Below reporting limit. Reporting limit shown.

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

Table Dibenz(a,h)anthracene-4: EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	0.56	5/20/08	49912	Y		
ES-Z05-080519	0.8	5/30/08	50159	Y	0.68	35
ES-Z06-080520	0.75	5/30/08	50159	Y		
ES-Z07-080522	0.74	5/30/08	50159	Y	0.75	1
ES-Z08-080527	0.46	6/5/08	50262	Y		
ES-Z09-080529	0.61	6/5/08	50282	Y	0.54	28
ES-Z11-080605	0.96	6/20/08	50635	Y		
ES-Z10-080602	0.73	6/23/08	50534	Y	0.85	27
ES-Z14-080611 A	1	6/26/08	50781	Y		
ES-Z14-080611 B	0.98	6/26/08	50781	Y	0.99	2
WS-Z15-080613 A	1	6/26/08	50781	Y		
WS-Z15-080613 B	1.1	6/26/08	50781	Y	1.05	10
ES-Z12-080606-A	0.73	6/28/08	50807	Y		
ES-Z12-080606-B	0.75	6/28/08	50807	Y	0.74	3
ES-Z13-080610 A	0.6	6/28/08	50807	Y		
ES-Z13-080610 B	0.55	6/28/08	50807	Y	0.58	9
ES-Z11-080605 B	0.82	7/9/08	51044	Y		
WS-Z16-080617-A	0.62	7/9/08	51044	Y	0.72	28
WS-Z16-080617-B	0.66	7/9/08	51044	Y		
WS-Z18-080620 A	0.89	7/9/08	51046	Y	0.78	30
WS-Z18-080620 B	0.83	7/9/08	51046	Y		
ES-Z05-080519 B	0.91	7/17/08	50786	Y	0.87	9
ES-Z06-080520 B	0.92	7/17/08	50786	Y		
ES-Z08-080527 B	0.97	7/17/08	50786	Y	0.95	5
ES-Z09-080529 B	0.94	7/17/08	50786	Y		
ES-Z10-080602 B	0.92	7/17/08	50786	Y	0.93	2
WS-Z01-080430 B	0.9	7/17/08	50786	Y		
WS-Z17-080618 A	1.1	7/18/08	51147	Y	1.00	20
ES-Z19-080624 A	0.56	7/21/08	51148	Y		
ES-Z19-080624 B	0.56	7/21/08	51148	Y	0.56	0
ES-Z07-080522 B	1	7/25/08	51406	Y		
WS-Z17-080618 B	0.96	7/25/08	51406	Y	0.98	4

Analysis of EQIS CRMs	
Mean	0.809
Standard Error	0.0315
Median	0.825
Standard Deviation	0.1785
Sample Variance	0.0319
Kurtosis	-1.08
Skewness	-0.25
Range	0.640
Minimum	0.460
Maximum	1.100
Sum	25.880
Count	32
Largest(2)	1.1
Smallest(2)	0.6

RPD of EQIS CRMs	
Mean	13.31
Standard Error	
Median	8.95
Standard Deviation	12.39
Sample Variance	153.50
Kurtosis	-1.41
Skewness	0.58
Range	35.29
Minimum	0.00
Maximum	35.29
Sum	213.01
Count	16
Largest(2)	29.68
Smallest(2)	1.34

Table Dibenz(a,h)anthracene-5: Dibenzanthracene Laboratory MS and LCS					
Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
89	49841	1	106	49841	1
35	49912	2	88	49912	2
53	50159	3	83	50159	3
54	50169	4	86	50169	4
48	50262	5	89	50262	5
78	50282	6	82	50282	6
63	50403	7	83	50403	7
94	50635	8	94	50635	8
91	50534	9	94	50635	8
89	50781	10	92	50534	9
66	50807	11	92	50534	9
74	51044	12	102	50781	10
82	51046	13	71	50807	11
80	51151	15	71	50807	11
98	51147	16	87	51044	12
77	51148	17	84	51046	13
71	51406	18	98	50786	14
83	56623	19	98	51151	15
			100	51147	16
			104	51148	17
			100	51406	18
			88	56623	19

Average MS Recovery = 74 % Average LCS Recovery = 91 %

Minimum MS Recovery = 35 % Minimum LCS Recovery = 71 %

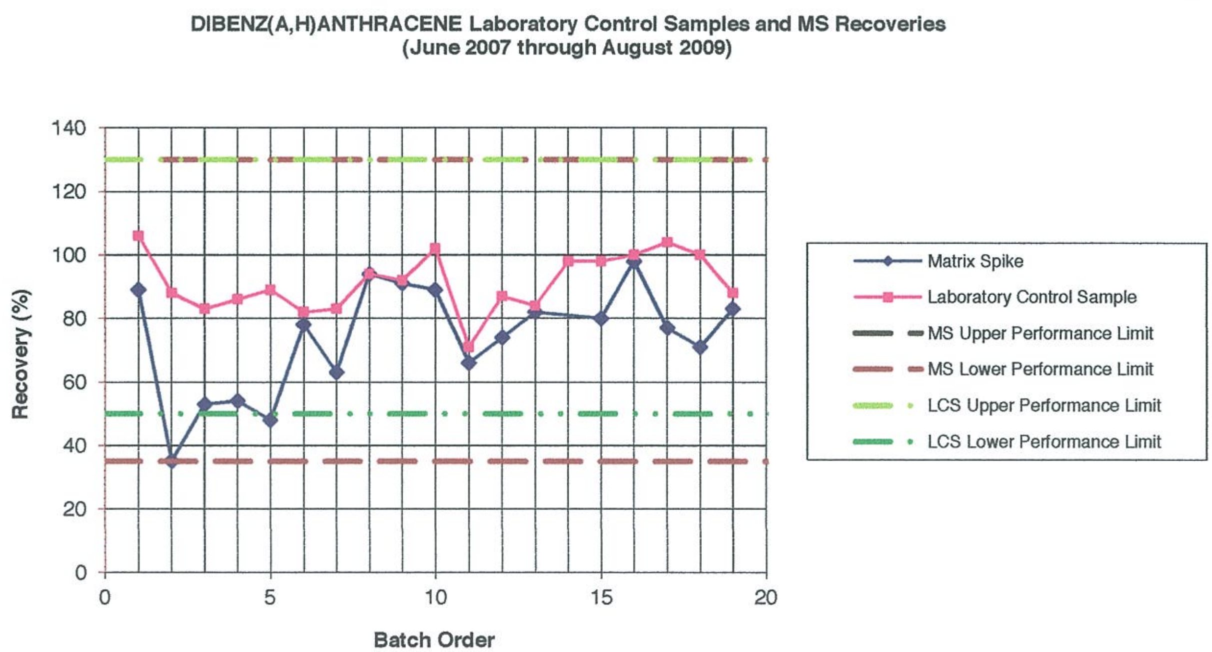


Table Dibenz(a,h)anthracene-6: Dibenzanthracene - Laboratory MSD

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

Average MSD RPD = 11 %
Maximum MSD RPD = 31 %

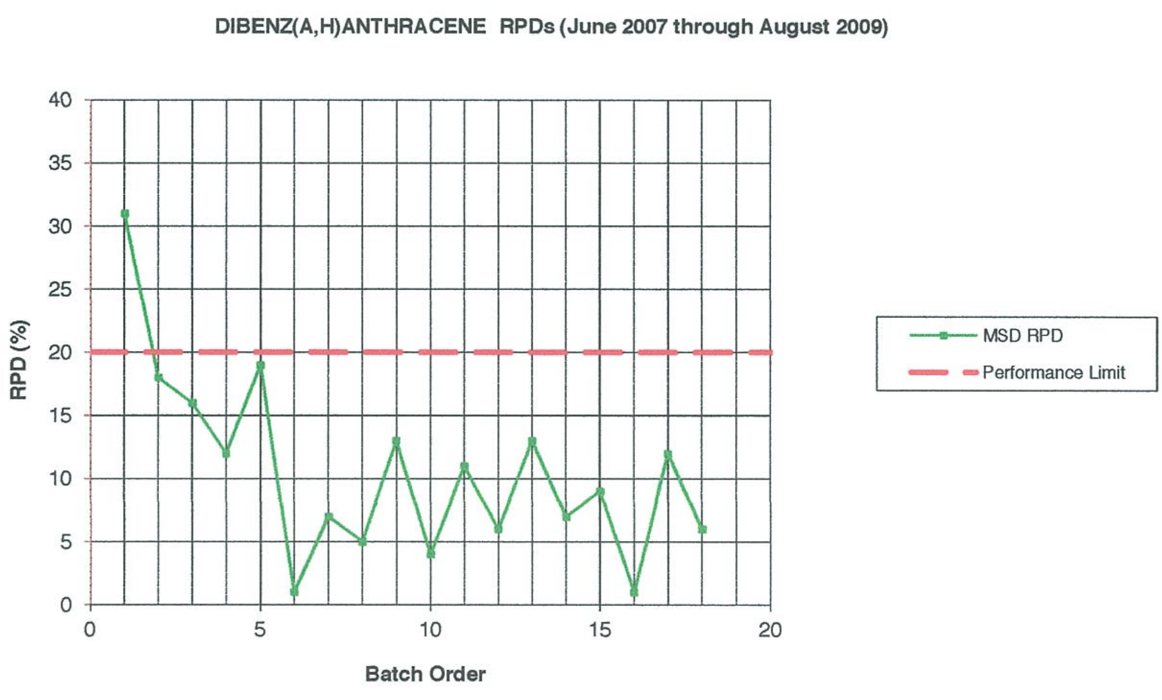


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Table Dibenz(a,h)anthracene-7: Method 8270CA Surrogate (Terphenyl-D14) Recoveries				
Sample	Recovery	Date	Batch	Order
WS-K04-080513	44	06/02/08	50169	65
ES-R06-080521	43	06/05/08	50282	100
ES-P07-080519	40	06/11/08	50403	110
ES-Q10-D0	36	03/10/09	56175	297
ES-P10-C1	47	03/11/09	56192	315
ES-R09-A1	18	03/12/09	56245	333
ES-N06-C0	48	03/17/09	56337	345
ES-T09-B1	18	03/17/09	56337	352

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

For all Surrogate Measurements	
Mean Recovery	77.0
Median	76.0
Mode	73.0
Standard Deviation	13.1
Minimum	18

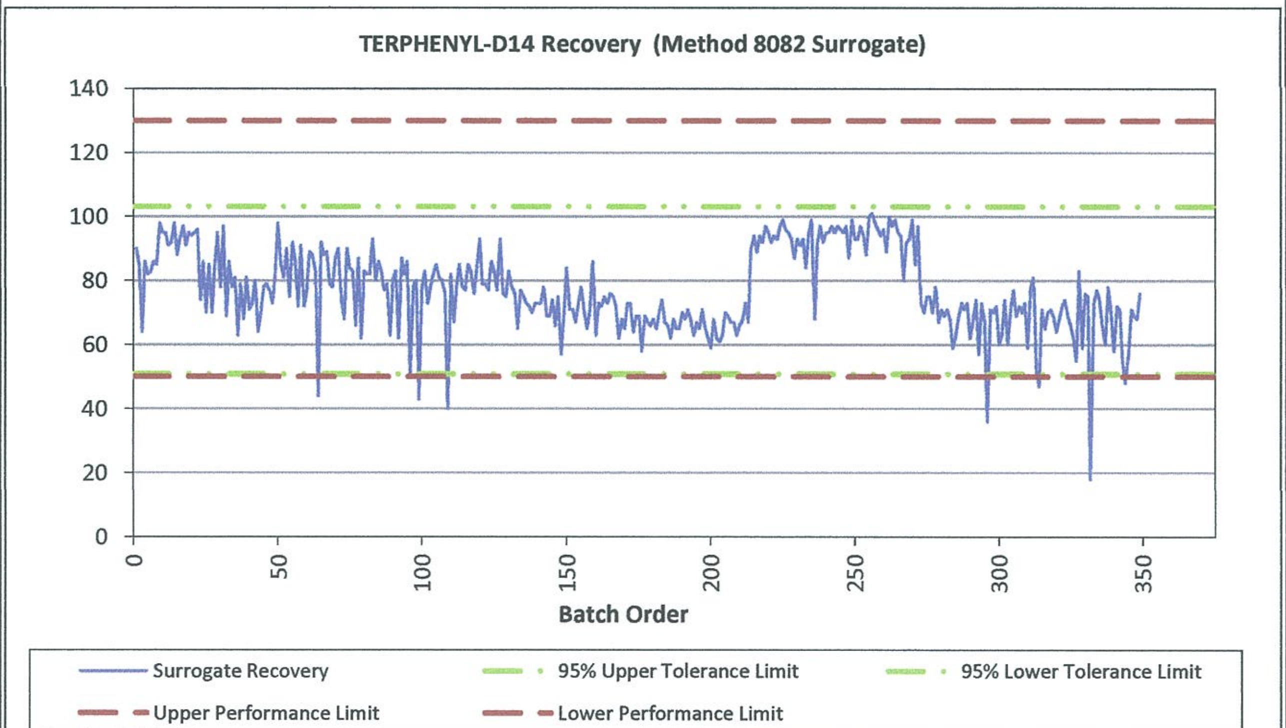
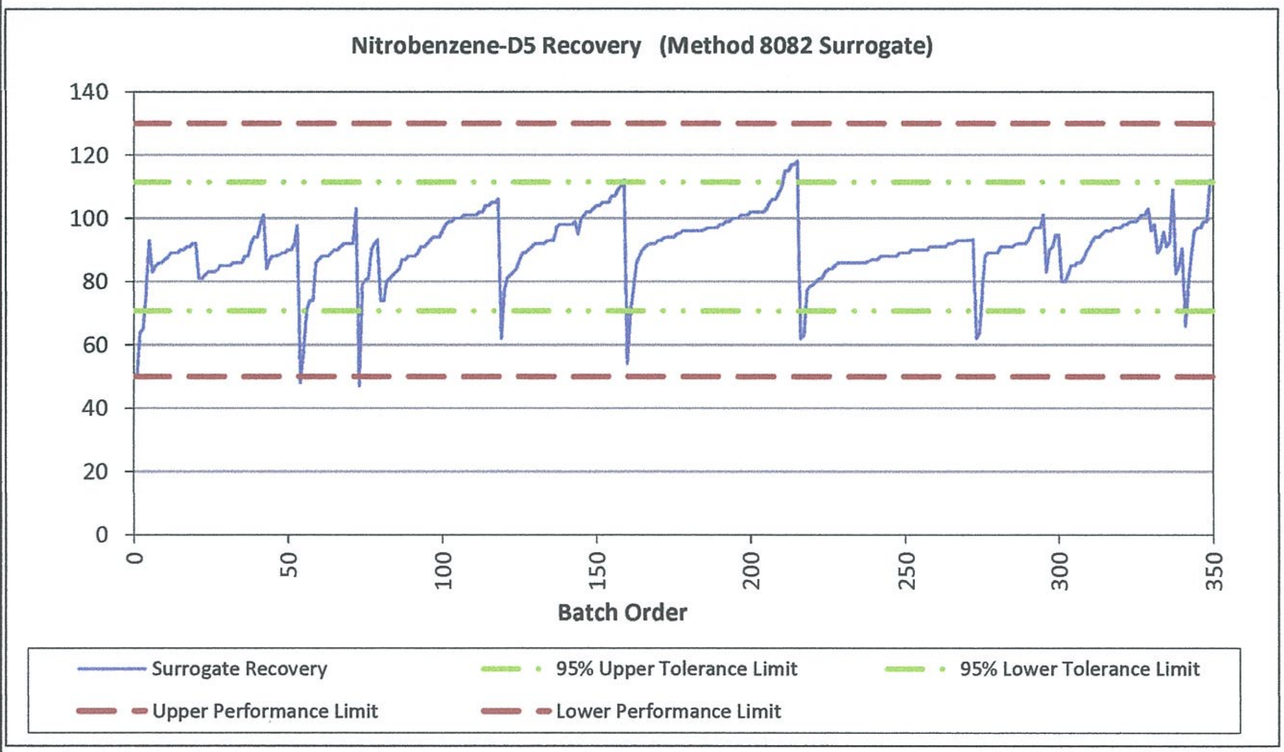
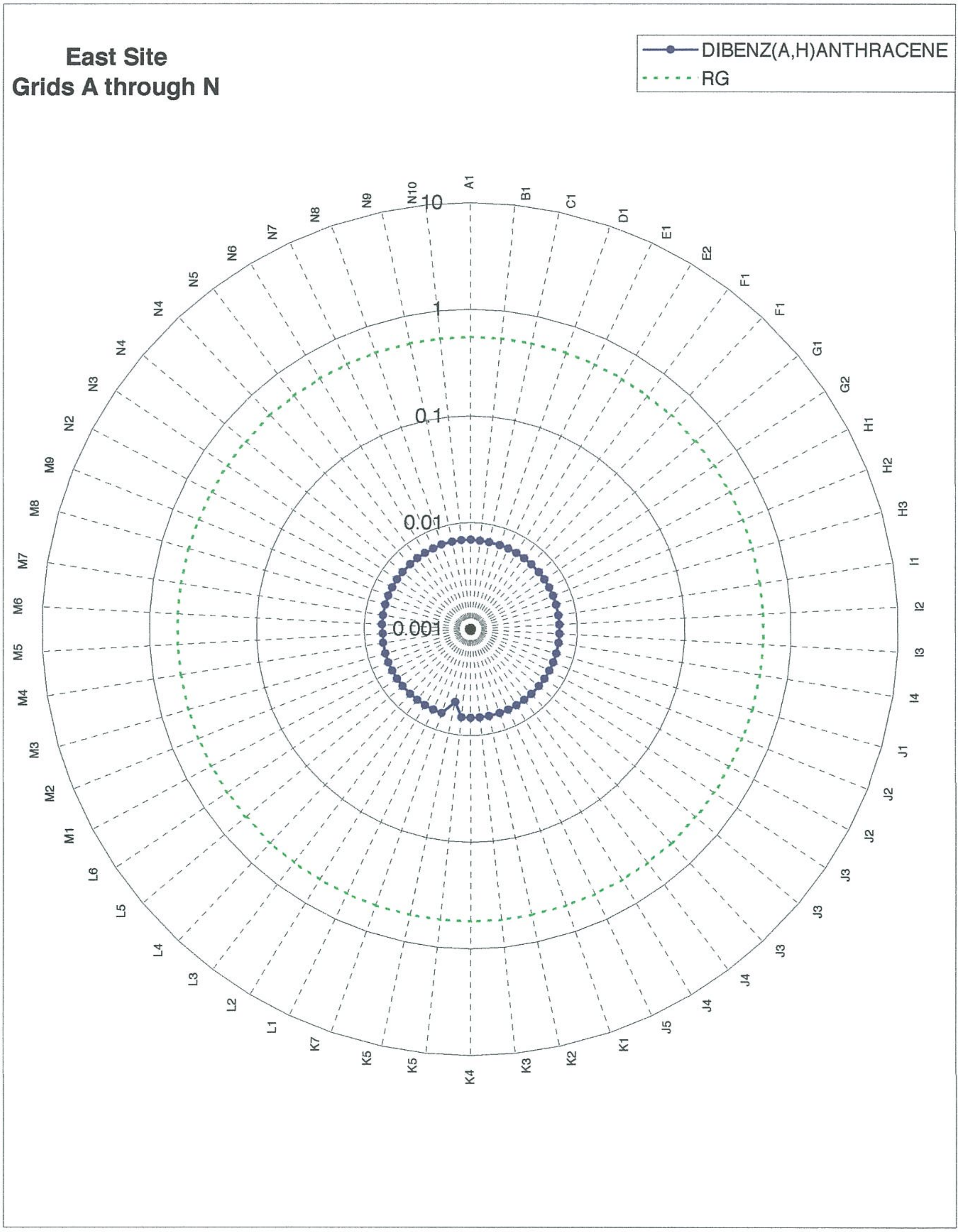


Table Dibenz(a,h)anthracene-8: Method 8270CA Surrogate (Nitrobenzene-D5) Recoveries				
Sample	Recovery	Date	Batch	Order
A7E090000050C	51	39216	7129050	2
BK-102-070430N	64	39216	7129050	3
BK-101-070430N	65	39216	7129050	4
ES-O04-080515	48	39602	50226	55
ES-I02-080514	58	39602	50226	56
ES-P07-080519	47	39603	50226	74
ES-O07-080530	62	39612	50461	120
ES-R16-080605	112	39625	50603	160
ES-U13-080610	54	39626	50810	161
ES-Z10-080602 B	115	39626	50837	212
BOR 94	115	39626	50837	213
ES-Z05-080519 B	117	39626	50837	214
BOR SAMPLES 76,79,82	117	39626	50837	215
ES-Z11-080605 B	118	39626	50837	216
WS-E05-080613	62	39638	50838	217
WS-J04-080617	63	39638	50949	218
ES-K02-080602 B	62	39639	51068	274
BOR 510	64	39639	51067	275
WS-D04-090319	66	39909	56714	342
BOR-702	112	39909	56714	350

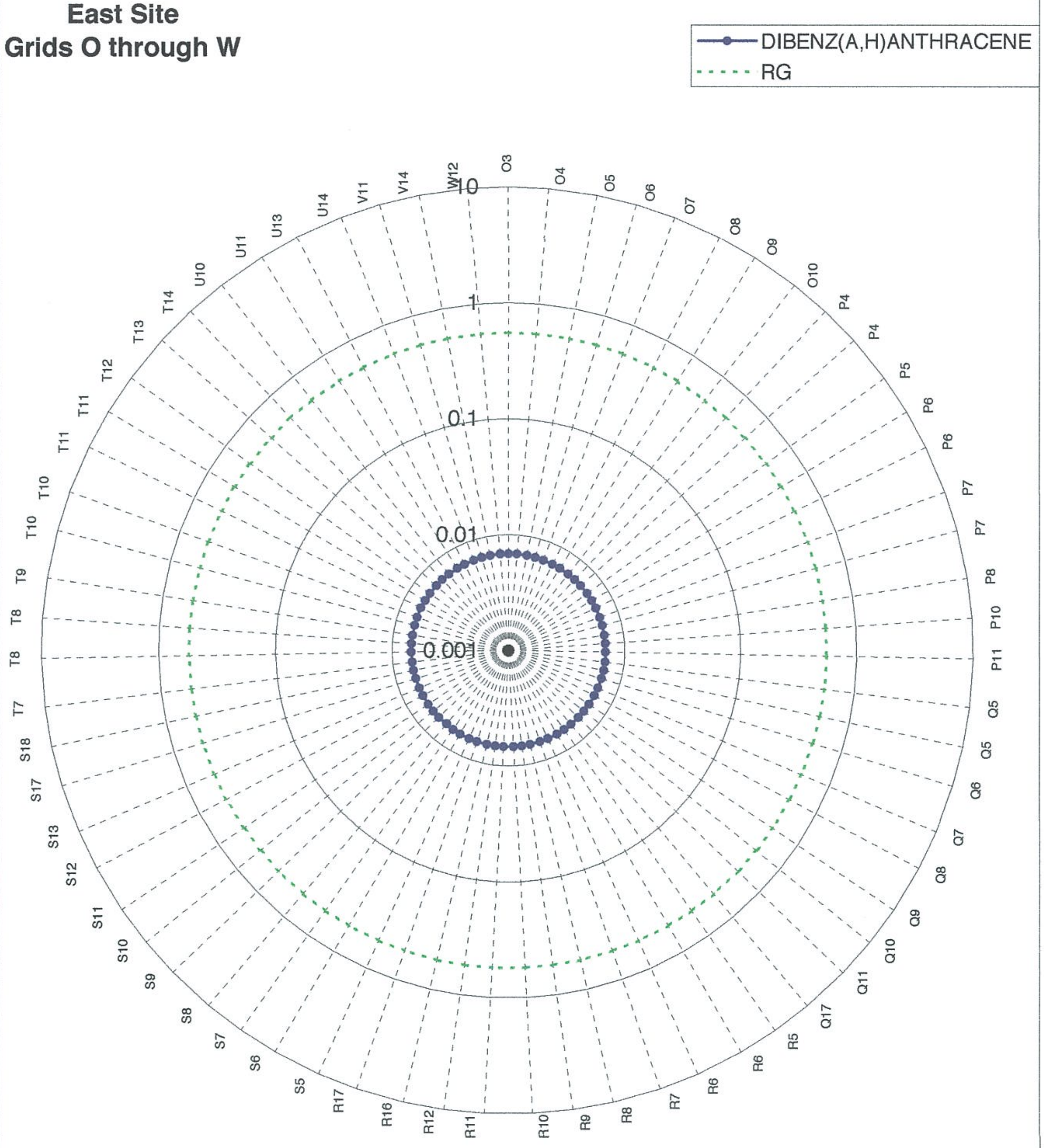
For all Surrogate Measurements	
Mean Recovery	91.1
Median	91
Mode	91
Standard Deviation	10.2
Minimum	47

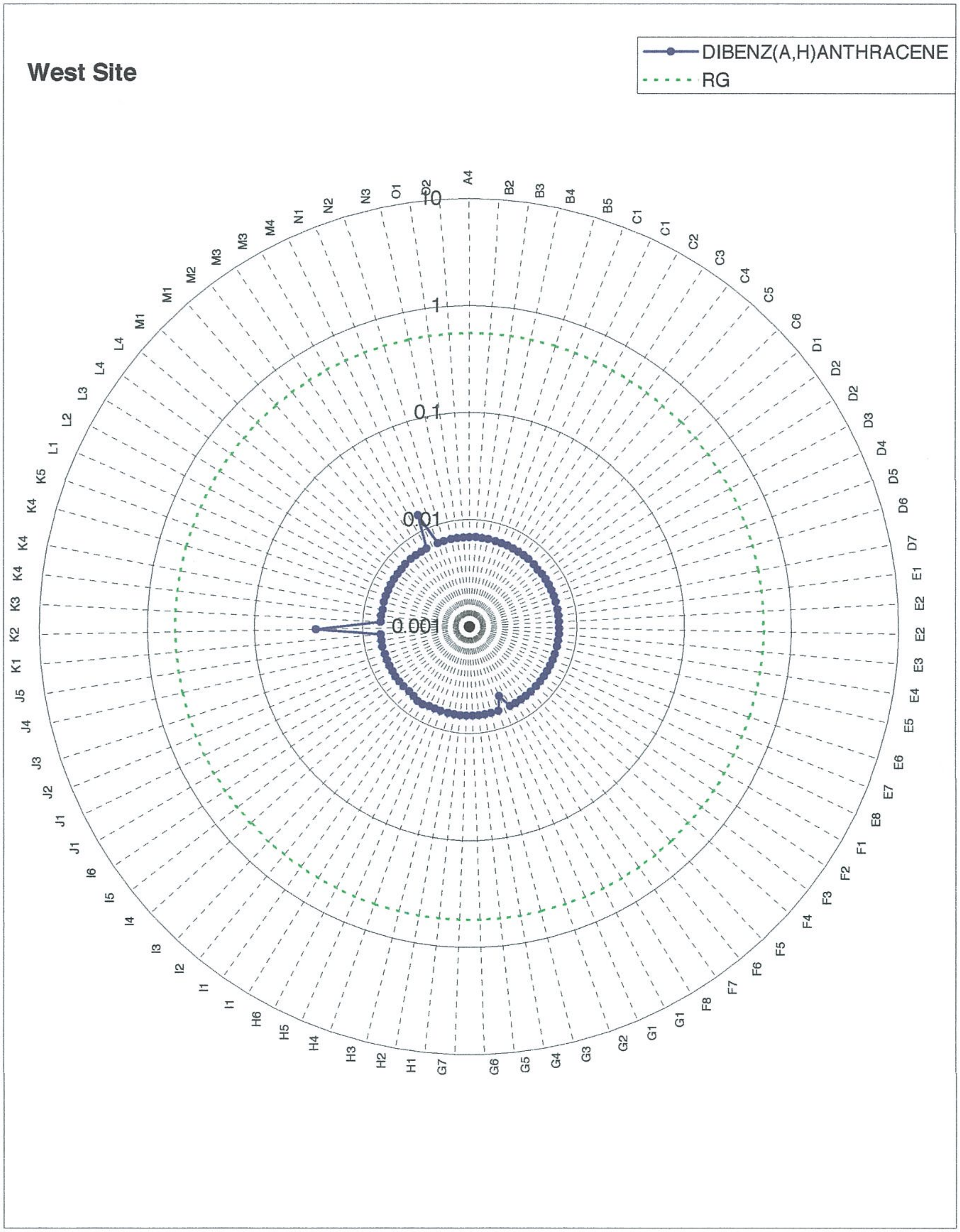
Only samples having surrogate recoveries exceeding the upper or lower tolerance limits are tabularized.




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

East Site
Grids O through W




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

DIBENZ(A,H)ANTHRACENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_ value	analysis_ date	batch _id	detect _flag	sample_name
East	A1	ES-A01-080623	DIBENZ(A,H)ANTHRACENE	0.0069	07/21/08	51148	N	ES-A01-080623
East	B1	ES-B01-080623	DIBENZ(A,H)ANTHRACENE	0.0068	07/21/08	51148	N	ES-B01-080623
East	C1	ES-C01-080624	DIBENZ(A,H)ANTHRACENE	0.0068	07/21/08	51148	N	ES-C01-080624
East	D1	ES-D01-080624	DIBENZ(A,H)ANTHRACENE	0.0068	07/21/08	51148	N	ES-D01-080624
East	E1	ES-E01-080528	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-E01-080528
East	E2	ES-E02-080611	DIBENZ(A,H)ANTHRACENE	0.0068	07/25/08	51406	N	ES-E02-080611
East	F1	ES-F01-080529	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-F01-080529
East	F1	ES-F01-080529	DIBENZ(A,H)ANTHRACENE	0.0068	07/25/08	51406	N	DUP-17
East	G1	ES-G01-080529	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-G01-080529
East	G2	ES-G02-080605	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-G02-080605
East	H1	ES-H01-080528	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-H01-080528
East	H2	ES-H02-080515	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	ES-H02-080515
East	H3	ES-H03-080605	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-H03-080605
East	I1	ES-I01-080529	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-I01-080529
East	I2	ES-I02-080514	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	ES-I02-080514
East	I3	ES-I03-080513	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	ES-I03-080513
East	I4	ES-I04-080602	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-I04-080602
East	J1	ES-J01-080529	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-J01-080529
East	J2	ES-J02-080527	DIBENZ(A,H)ANTHRACENE	0.0068	06/04/08	50262	N	ES-J02-080527
East	J2	ES-J02-080527	DIBENZ(A,H)ANTHRACENE	0.0068	06/26/08	50781	N	DUP-15
East	J3	ES-J03-080513	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	ES-J03-080513
East	J3	ES-J03-080513	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	DUP-11
East	J3	ES-J03-090323	DIBENZ(A,H)ANTHRACENE	0.0068	04/03/09	56623	N	ES-J03-090323
East	J4	ES-J04-080530	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-J04-080530
East	J4	ES-J04-080530	DIBENZ(A,H)ANTHRACENE	0.0068	07/21/08	51148	N	DUP-18
East	J5	ES-J05-080602	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-J05-080602
East	K1	ES-K01-080602	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-K01-080602
East	K2	ES-K02-080602	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-K02-080602
East	K3	ES-K03-080514	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	ES-K03-080514
East	K4	ES-K04-080527	DIBENZ(A,H)ANTHRACENE	0.0068	06/04/08	50262	N	ES-K04-080527
East	K5	ES-K05-080605	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-K05-080605
East	K5	ES-K05-080605	DIBENZ(A,H)ANTHRACENE	0.005	07/21/08	51148	N	DUP-19
East	K7	ES-K07-080611	DIBENZ(A,H)ANTHRACENE	0.0068	06/26/08	50781	N	ES-K07-080611
East	L1	ES-L01-080625	DIBENZ(A,H)ANTHRACENE	0.0068	07/17/08	51151	N	ES-L01-080625
East	L2	ES-L02-080625	DIBENZ(A,H)ANTHRACENE	0.0068	07/17/08	51151	N	ES-L02-080625
East	L3	ES-L03-080604	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-L03-080604
East	L4	ES-L04-080604	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-L04-080604
East	L5	ES-L05-080620	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	ES-L05-080620
East	L6	ES-L06-080605	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	ES-L06-080605
East	M1	ES-M01-080527	DIBENZ(A,H)ANTHRACENE	0.0068	06/04/08	50262	N	ES-M01-080527
East	M2	ES-M02-080519	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-M02-080519
East	M3	ES-M03-080519	DIBENZ(A,H)ANTHRACENE	0.0068	06/03/08	50169	N	ES-M03-080519
East	M4	ES-M04-080515	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	ES-M04-080515
East	M5	ES-M05-080527	DIBENZ(A,H)ANTHRACENE	0.0067	06/04/08	50262	N	ES-M05-080527
East	M6	ES-M06-080520	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-M06-080520
East	M7	ES-M07-080612	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51046	N	ES-M07-080612

DIBENZ(A,H)ANTHRACENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_ value	analysis_ date	batch _id	detect _flag	sample_name
East	M8	ES-M08-080610	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	ES-M08-080610
East	M9	ES-M09-080611	DIBENZ(A,H)ANTHRACENE	0.0068	06/26/08	50781	N	ES-M09-080611
East	N2	ES-N02-080528	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50262	N	ES-N02-080528
East	N3	ES-N03-080520	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-N03-080520
East	N4	ES-N04-080519	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	ES-N04-080519
East	N4	ES-N04-080519	DIBENZ(A,H)ANTHRACENE	0.0068	07/25/08	51406	N	ES-N04-080519
East	N5	ES-N05-080519	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	ES-N05-080519
East	N6	ES-N06-080527	DIBENZ(A,H)ANTHRACENE	0.0068	06/04/08	50262	N	ES-N06-080527
East	N7	ES-N07-080530	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-N07-080530
East	N8	ES-N08-080610	DIBENZ(A,H)ANTHRACENE	0.0069	06/28/08	50807	N	ES-N08-080610
East	N9	ES-N09-080610	DIBENZ(A,H)ANTHRACENE	0.0069	06/26/08	50781	N	ES-N09-080610
East	N10	ES-N10-080610	DIBENZ(A,H)ANTHRACENE	0.0069	06/28/08	50807	N	ES-N10-080610
East	O3	ES-O03-080528	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50262	N	ES-O03-080528
East	O4	ES-O04-080515	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	ES-O04-080515
East	O5	ES-O05-080520	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-O05-080520
East	O6	ES-O06-080529	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-O06-080529
East	O7	ES-O07-080530	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-O07-080530
East	O8	ES-O08-080530	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-O08-080530
East	O9	ES-O09-080610	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	ES-O09-080610
East	O10	ES-O10-080611	DIBENZ(A,H)ANTHRACENE	0.0068	06/26/08	50781	N	ES-O10-080611
East	P4	ES-P04-080528	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-P04-080528
East	P4	ES-P04-080528	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	DUP-16
East	P5	ES-P05-080513	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	ES-P05-080513
East	P6	ES-P06-080515	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	ES-P06-080515
East	P6	ES-P06-080515	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	DUP-12
East	P7	ES-P07-080519	DIBENZ(A,H)ANTHRACENE	0.0068	06/11/08	50403	N	ES-P07-080519
East	P7	ES-P07-080519	DIBENZ(A,H)ANTHRACENE	0.0068	07/25/08	51406	N	ES-P07-080519
East	P8	ES-P08-080530	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-P08-080530
East	P10	ES-P10-080606	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-P10-080606
East	P11	ES-P11-080606	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-P11-080606
East	Q5	ES-Q05-080520	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-Q05-080520
East	Q5	ES-Q05-080520	DIBENZ(A,H)ANTHRACENE	0.0068	07/25/08	51406	N	ES-Q05-080520
East	Q6	ES-Q06-080520	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-Q06-080520
East	Q7	ES-Q07-080519	DIBENZ(A,H)ANTHRACENE	0.0068	06/03/08	50169	N	ES-Q07-080519
East	Q8	ES-Q08-080519	DIBENZ(A,H)ANTHRACENE	0.0068	06/03/08	50169	N	ES-Q08-080519
East	Q9	ES-Q09-080612	DIBENZ(A,H)ANTHRACENE	0.0068	06/26/08	50781	N	ES-Q09-080612
East	Q10	ES-Q10-080606	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-Q10-080606
East	Q11	ES-Q11-080606	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-Q11-080606
East	Q17	ES-Q17-080609	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	ES-Q17-080609
East	R5	ES-R05-080521	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-R05-080521
East	R6	ES-R06-080521	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-R06-080521
East	R6	ES-R06-080521	DIBENZ(A,H)ANTHRACENE	0.0068	07/25/08	51406	N	ES-R06-080521
East	R7	ES-R07-080521	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-R07-080521
East	R8	ES-R08-080519	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-R08-080519
East	R9	ES-R09-080520	DIBENZ(A,H)ANTHRACENE	0.0068	06/11/08	50403	N	ES-R09-080520
East	R10	ES-R10-080602	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-R10-080602

DIBENZ(A,H)ANTHRACENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_ value	analysis_ date	batch _id	detect _flag	sample_name
East	R11	ES-R11-080605	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-R11-080605
East	R12	ES-R12-080611	DIBENZ(A,H)ANTHRACENE	0.0068	06/26/08	50781	N	ES-R12-080611
East	R16	ES-R16-080605	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-R16-080605
East	R17	ES-R17-080606	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-R17-080606
East	S5	ES-S05-080521	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-S05-080521
East	S6	ES-S06-080521	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-S06-080521
East	S7	ES-S07-080521	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	ES-S07-080521
East	S8	ES-S08-080522	DIBENZ(A,H)ANTHRACENE	0.0067	06/04/08	50262	N	ES-S08-080522
East	S9	ES-S09-080522	DIBENZ(A,H)ANTHRACENE	0.0068	06/04/08	50262	N	ES-S09-080522
East	S10	ES-S10-080523	DIBENZ(A,H)ANTHRACENE	0.0068	06/04/08	50262	N	ES-S10-080523
East	S11	ES-S11-080528	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50262	N	ES-S11-080528
East	S12	ES-S12-080609	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	ES-S12-080609
East	S13	ES-S13-080610	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	ES-S13-080610
East	S17	ES-S17-080606	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-S17-080606
East	S18	ES-S18-080606	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-S18-080606
East	T7	ES-T07-080612	DIBENZ(A,H)ANTHRACENE	0.0068	06/26/08	50781	N	ES-T07-080612
East	T8	ES-T08-080522	DIBENZ(A,H)ANTHRACENE	0.0068	06/04/08	50262	N	ES-T08-080522
East	T8	ES-T08-080522	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	DUP-13
East	T9	ES-T09-080522	DIBENZ(A,H)ANTHRACENE	0.0068	06/04/08	50262	N	ES-T09-080522
East	T10	ES-T10-080523	DIBENZ(A,H)ANTHRACENE	0.0068	06/04/08	50262	N	ES-T10-080523
East	T10	ES-T10-080523	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51046	N	DUP-14
East	T11	ES-T11-080530	DIBENZ(A,H)ANTHRACENE	0.0069	06/23/08	50534	N	ES-T11-080530
East	T11	ES-T11-080530	DIBENZ(A,H)ANTHRACENE	0.0068	07/25/08	51406	N	ES-T11-080530
East	T12	ES-T12-080609	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	ES-T12-080609
East	T13	ES-T13-080609	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	ES-T13-080609
East	T14	ES-T14-080610	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	ES-T14-080610
East	U10	ES-U10-080523	DIBENZ(A,H)ANTHRACENE	0.0068	06/04/08	50262	N	ES-U10-080523
East	U11	ES-U11-080602	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-U11-080602
East	U13	ES-U13-080610	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	ES-U13-080610
East	U14	ES-U14-080610	DIBENZ(A,H)ANTHRACENE	0.0068	06/28/08	50807	N	ES-U14-080610
East	V11	ES-V11-080529	DIBENZ(A,H)ANTHRACENE	0.0068	06/23/08	50534	N	ES-V11-080529
East	V14	ES-V14-080605	DIBENZ(A,H)ANTHRACENE	0.0068	06/20/08	50635	N	ES-V14-080605
East	W12	ES-W12-080527	DIBENZ(A,H)ANTHRACENE	0.0068	06/04/08	50262	N	ES-W12-080527
West	A4	WS-A04-080626	DIBENZ(A,H)ANTHRACENE	0.0068	07/17/08	51151	N	WS-A04-080626
West	B2	WS-B02-080502	DIBENZ(A,H)ANTHRACENE	0.0069	05/29/08	49912	N	WS-B02-080502
West	B3	WS-B03-080502	DIBENZ(A,H)ANTHRACENE	0.0068	05/20/08	49912	N	WS-B03-080502
West	B4	WS-B04-080626	DIBENZ(A,H)ANTHRACENE	0.0068	07/17/08	51151	N	WS-B04-080626
West	B5	WS-B05-080626	DIBENZ(A,H)ANTHRACENE	0.0068	07/17/08	51151	N	WS-B05-080626
West	C1	WS-C01-080501	DIBENZ(A,H)ANTHRACENE	0.0068	05/15/08	49841	N	WS-C01-080501
West	C1	WS-C01-080501	DIBENZ(A,H)ANTHRACENE	0.0068	05/30/08	50159	N	DUP-3
West	C2	WS-C02-080428	DIBENZ(A,H)ANTHRACENE	0.0068	05/15/08	49841	N	WS-C02-080428
West	C3	WS-C03-080620	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-C03-080620
West	C4	WS-C04-080623	DIBENZ(A,H)ANTHRACENE	0.0068	07/21/08	51148	N	WS-C04-080623
West	C5	WS-C05-080620	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51046	N	WS-C05-080620
West	C6	WS-C06-080624	DIBENZ(A,H)ANTHRACENE	0.0068	07/21/08	51148	N	WS-C06-080624
West	D1	WS-D01-080430	DIBENZ(A,H)ANTHRACENE	0.0067	05/15/08	49841	N	WS-D01-080430

DIBENZ(A,H)ANTHRACENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	D2	WS-D02-080429	DIBENZ(A,H)ANTHRACENE	0.0068	05/15/08	49841	N	DUP-2
West	D2	WS-D02-080429	DIBENZ(A,H)ANTHRACENE	0.0068	05/15/08	49841	N	WS-D02-080429
West	D3	WS-D03-080620	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-D03-080620
West	D4	WS-D04-080623	DIBENZ(A,H)ANTHRACENE	0.0068	07/17/08	51151	N	WS-D04-080623
West	D5	WS-D05-080620	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-D05-080620
West	D6	WS-D06-080619	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-D06-080619
West	D7	WS-D07-080619	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-D07-080619
West	E1	WS-E01-080430	DIBENZ(A,H)ANTHRACENE	0.0068	05/15/08	49841	N	WS-E01-080430
West	E2	WS-E02-080428	DIBENZ(A,H)ANTHRACENE	0.0068	05/15/08	49841	N	DUP-1
West	E2	WS-E02-080428	DIBENZ(A,H)ANTHRACENE	0.0068	05/15/08	49841	N	WS-E02-080428
West	E3	WS-E03-080619	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-E03-080619
West	E4	WS-E04-080613	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-E04-080613
West	E5	WS-E05-080613	DIBENZ(A,H)ANTHRACENE	0.0068	06/26/08	50781	N	WS-E05-080613
West	E6	WS-E06-080613	DIBENZ(A,H)ANTHRACENE	0.0068	07/17/08	51151	N	WS-E06-080613
West	E7	WS-E07-080613	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-E07-080613
West	E8	WS-E08-080616	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-E08-080616
West	F1	WS-F01-080429	DIBENZ(A,H)ANTHRACENE	0.0068	05/15/08	49841	N	WS-F01-080429
West	F2	WS-F02-080429	DIBENZ(A,H)ANTHRACENE	0.0068	05/15/08	49841	N	WS-F02-080429
West	F3	WS-F03-080619	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-F03-080619
West	F4	WS-F04-080616	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-F04-080616
West	F5	WS-F05-080612	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-F05-080612
West	F6	WS-F06-080612	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-F06-080612
West	F7	WS-F07-080617	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-F07-080617
West	F8	WS-F08-080618	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-F08-080618
West	G1	WS-G01-080501	DIBENZ(A,H)ANTHRACENE	0.0068	05/15/08	49841	N	WS-G01-080501
West	G1	WS-G01-080501	DIBENZ(A,H)ANTHRACENE	0.0051	05/30/08	50159	N	DUP-4
West	G2	WS-G02-080618	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-G02-080618
West	G3	WS-G03-080619	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-G03-080619
West	G4	WS-G04-080616	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-G04-080616
West	G5	WS-G05-080613	DIBENZ(A,H)ANTHRACENE	0.0068	06/26/08	50781	N	WS-G05-080613
West	G6	WS-G06-080616	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-G06-080616
West	G7	WS-G07-080617	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-G07-080617
West	H1	WS-H01-080501	DIBENZ(A,H)ANTHRACENE	0.0068	05/20/08	49912	N	WS-H01-080501
West	H2	WS-H02-080618	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-H02-080618
West	H3	WS-H03-080619	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-H03-080619
West	H4	WS-H04-080616	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-H04-080616
West	H5	WS-H05-080613	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-H05-080613
West	H6	WS-H06-080617	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-H06-080617
West	I1	WS-I01-080501	DIBENZ(A,H)ANTHRACENE	0.0071	05/29/08	49912	N	WS-I01-080501
West	I1	WS-I01-080501	DIBENZ(A,H)ANTHRACENE	0.0071	05/30/08	50159	N	DUP-5
West	I2	WS-I02-080618	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-I02-080618
West	I3	WS-I03-080618	DIBENZ(A,H)ANTHRACENE	0.0067	07/18/08	51147	N	WS-I03-080618
West	I4	WS-I04-080617	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-I04-080617
West	I5	WS-I05-080617	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51044	N	WS-I05-080617
West	I6	WS-I06-080617	DIBENZ(A,H)ANTHRACENE	0.0069	07/09/08	51044	N	WS-I06-080617
West	J1	WS-J01-080505	DIBENZ(A,H)ANTHRACENE	0.0068	05/29/08	49912	N	WS-J01-080505

DIBENZ(A,H)ANTHRACENE results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	J1	WS-J01-080505	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	DUP-6
West	J2	WS-J02-080624	DIBENZ(A,H)ANTHRACENE	0.0068	07/21/08	51148	N	WS-J02-080624
West	J3	WS-J03-080620	DIBENZ(A,H)ANTHRACENE	0.0068	07/09/08	51046	N	WS-J03-080620
West	J4	WS-J04-080617	DIBENZ(A,H)ANTHRACENE	0.0069	07/09/08	51044	N	WS-J04-080617
West	J5	WS-J05-080618	DIBENZ(A,H)ANTHRACENE	0.0068	07/18/08	51147	N	WS-J05-080618
West	K1	WS-K01-080505	DIBENZ(A,H)ANTHRACENE	0.0068	05/28/08	49912	N	WS-K01-080505
West	K2	WS-K02-080509	DIBENZ(A,H)ANTHRACENE	0.027	06/02/08	50169	N	WS-K02-080509
West	K3	WS-K03-080509	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	WS-K03-080509
West	K4	WS-K04-080513	DIBENZ(A,H)ANTHRACENE	0.0068	06/02/08	50169	N	WS-K04-080513
West	K4	WS-K04-080513	DIBENZ(A,H)ANTHRACENE	0.0067	06/23/08	50534	N	DUP-10
West	K4	WS-K04-080513	DIBENZ(A,H)ANTHRACENE	0.0068	07/25/08	51406	N	WS-K04-080513
West	K5	WS-K05-080509	DIBENZ(A,H)ANTHRACENE	0.0068	05/30/08	50159	N	WS-K05-080509
West	L1	WS-L01-080505	DIBENZ(A,H)ANTHRACENE	0.0068	05/28/08	49912	N	WS-L01-080505
West	L2	WS-L02-080508	DIBENZ(A,H)ANTHRACENE	0.0068	05/20/08	49912	N	WS-L02-080508
West	L3	WS-L03-080508	DIBENZ(A,H)ANTHRACENE	0.0068	05/20/08	49912	N	WS-L03-080508
West	L4	WS-L04-080508	DIBENZ(A,H)ANTHRACENE	0.0068	05/20/08	49912	N	WS-L04-080508
West	L4	WS-L04-080508	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50282	N	DUP-9
West	M1	WS-M01-080505	DIBENZ(A,H)ANTHRACENE	0.0069	05/29/08	49912	N	WS-M01-080505
West	M1	WS-M01-080505	DIBENZ(A,H)ANTHRACENE	0.0069	05/30/08	50159	N	DUP-7
West	M2	WS-M02-080507	DIBENZ(A,H)ANTHRACENE	0.0068	05/29/08	49912	N	WS-M02-080507
West	M3	WS-M03-080507	DIBENZ(A,H)ANTHRACENE	0.0068	05/29/08	49912	N	WS-M03-080507
West	M3	WS-M03-080507	DIBENZ(A,H)ANTHRACENE	0.0068	06/05/08	50262	N	DUP-8
West	M4	WS-M04-080507	DIBENZ(A,H)ANTHRACENE	0.014	06/04/08	49912	N	WS-M04-080507
West	N1	WS-N01-080506	DIBENZ(A,H)ANTHRACENE	0.0068	05/29/08	49912	N	WS-N01-080506
West	N2	WS-N02-080506	DIBENZ(A,H)ANTHRACENE	0.0068	05/20/08	49912	N	WS-N02-080506
West	N3	WS-N03-080507	DIBENZ(A,H)ANTHRACENE	0.0068	05/20/08	49912	N	WS-N03-080507
West	O1	WS-O01-080506	DIBENZ(A,H)ANTHRACENE	0.0068	05/28/08	49912	N	WS-O01-080506
	O2	WS-O02-080506	DIBENZ(A,H)ANTHRACENE	0.0068	05/29/08	49912	N	WS-O02-080506

Table Indeno(1,2,3-cd)pyrene-1: Indeno(1,2,3-cd)pyrene Data Quality Summary			
Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 50%	74%	
Minimum Matrix Spike Recovery	greater than 35%	36%	
Minimum Surrogate Recovery	greater than 50%	18%	Terphenyl-D14
Average LCS Recovery	N/A	92%	
Average Matrix Spike Recovery	N/A	73%	
Average Surrogate Recovery	N/A	77%	Terphenyl-D14
Maximum MSD RPD	less than 35%	27%	
Average MSD RPD	N/A	11%	
Measurement Quality Objectives	Critera	Measured	
NPS CRM	Recovery greater than 0.34	Minimum Recovery =	0.730 mg/kg
EQIS CRM	None provided		
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD =	103 %
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD =	34 %
Overall QC Indicator Measurements	Criteria	Measured	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery =	78.9 %
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	0.481 mg/kg	See Note 1	

Comments: Surrogate recoveries and minimum LCS recovery (74%) are generally low, indicating a bias favoring low measurements. Low minimum and low average matrix spike recoveries (36% and 73% respectively) also indicate a potential bias favoring low measurements. Likewise an average recovery of the NPS CRM (78.9%) indicates a measurement bias favoring low measurements; however, the data set is relatively small. Maximum CRM split analyses RPD (69%) and a maximum CVS split analysis RPD (103%) indicate imprecision. The derived reliance level (0.481 mg/kg) is less than the RG (0.55 mg/kg) due primarily to measurement imprecision. However, all CVS sample indeno(1,2,3-cd)pyrene measurements that exceeded the derived reliance level also exceeded the indeno(1,2,3-cd)pyrene RG. Consequently, decisions related to indeno(1,2,3-cd)pyrene RG attainment in these grids are not affected by bias in these measurements. Therefore, it is concluded that the indeno(1,2,3-cd)pyrene CVS measurements are of acceptable quality and may be used to determine RG achievement.

Note 1: The standard deviation of NPS CRM split analyses (0.047 mg/kg) is used to represent measurement imprecision near the RG and is used with an estimate of bias from NPS CRMs (average recovery = 78.9%) to calculate the derived reliance level (0.481 mg/kg).

Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.55)(1.2)(.789)-(0.84)(0.0467) =0.481 mg/kg

Table Indeno(1,2,3-cd)pyrene-2: Indeno(1,2,3-cd)pyrene - NPS CRMs				
Blind NPS CRM Results				
Sample	Result	Analysis Date	Batch	Detect
BOR Sample 1-BOR 70	0.85	6/2/08	50169	Y
BO 50,55,58,72	0.77	6/23/08	50534	Y
BOR 102-96-99-105	0.81	7/9/08	51046	Y
BOR 103,97,100,106	0.73	7/21/08	51148	Y
BOR 104	0.76	7/21/08	51148	Y

CRMs		Vendor Supplied Information
Mean	0.784	*Made to*
Standard Error	0.02088	*0.994 mg/kg*
Median	0.77	
Standard Deviation	0.047	*Upper Acceptance Limit*
Sample Variance	0.002	*1.46 mg/kg*
Kurtosis	-0.56	
Skewness	0.54	*Lower Acceptance Limit*
Range	0.120	*0.340 mg/kg*
Minimum	0.730	
Maximum	0.850	
Sum	3.920	
Count	5	
Largest(2)	0.810	
Smallest(2)	0.760	

Table Indeno(1,2,3-cd)pyrene-3: Indeno(1,2,3-cd)pyrene NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
BOR 501	0.007	6/4/08	50262	WS-L04-080508	0.0068	5/20/2008	
BOR 500	0.007	6/11/08	50403	WS-F01-080429	0.019	5/15/2008	96
BOR 505	0.007	6/23/08	50534	WS-K03-080509	0.0068	6/2/2008	
BOR 504	0.007	6/26/08	50781	ES-M05-080527	0.0067	6/4/2008	
BOR 506	0.007	6/26/08	50781	ES-S10-080523	0.0068	6/4/2008	
BOR 502	0.1	7/21/08	51148	WS-F05-080612	0.069	7/9/2008	37
BOR 507	0.007	7/21/08	51148	ES-O09-080610	0.0068	6/28/2008	
BOR 508	0.007	7/21/08	51148	ES-Q11-080606	0.0068	6/20/2008	
BOR 509	0.007	7/21/08	51148	WS-E06-080613	0.0068	7/17/2008	
BOR 510	0.007	7/21/08	51148	OU-8HR-080605	0.0068	6/20/2008	
DUP-1	0.012	5/15/08	49841	WS-E02-080428	0.0068	5/15/2008	55
DUP-2	0.007	5/15/08	49841	WS-D02-080429	0.0068	5/15/2008	
DUP-3	0.007	5/30/08	50159	WS-C01-080501	0.0068	5/15/2008	
DUP-4	0.005	5/30/08	50159	WS-G01-080501	0.016	5/15/2008	103
DUP-5	0.007	5/30/08	50159	WS-I01-080501	0.0071	5/29/2008	
DUP-7	0.007	5/30/08	50159	WS-M01-080505	0.0069	5/29/2008	
DUP-6	0.007	6/5/08	50282	WS-J01-080505	0.0068	5/29/2008	
DUP-8	0.49	6/5/08	50262	WS-M03-080507	0.23	5/29/2008	72
DUP-9	0.007	6/5/08	50282	WS-L04-080508	0.0068	5/20/2008	
DUP-11	0.007	6/20/08	50635	ES-J03-080513	0.0068	6/2/2008	
DUP-10	0.007	6/23/08	50534	WS-K04-080513	0.0068	6/2/2008	
DUP-15	0.007	6/26/08	50781	ES-J02-080527	0.0068	6/4/2008	
DUP-12	0.007	6/28/08	50807	ES-P06-080515	0.0068	6/2/2008	
DUP-13	0.007	6/28/08	50807	ES-T08-080522	0.0068	6/4/2008	
DUP-14	0.028	7/9/08	51046	ES-T10-080523	0.022	6/4/2008	24
DUP-16	0.007	7/18/08	51147	ES-P04-080528	0.0068	6/5/2008	
DUP-18	0.007	7/21/08	51148	ES-J04-080530	0.0068	6/23/2008	
DUP-19	0.005	7/21/08	51148	ES-K05-080605	0.0068	6/20/2008	31
DUP-17	0.007	7/25/08	51406	ES-F01-080529	0.0068	6/23/2008	

Below reporting limit. Reporting limit shown.

RPD of Sample Splits	
Mean	59.7
Standard Error	12.0
Median	55.3
Standard Deviation	31.7
Sample Variance	1005.4
Kurtosis	-1.7
Skewness	0.4
Range	79.3
Minimum	24.0
Maximum	103.3
Sum	417.8
Count	7.0
Largest(2)	95.7
Smallest(2)	30.5

Table Indeno(1,2,3-cd)pyrene-4: Indeno(1,2,3-cd)pyrene EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
WS-Z01-080430	0.52	5/20/08	49912	Y		
ES-Z05-080519	0.73	5/30/08	50159	Y	0.63	34
ES-Z06-080520	0.69	5/30/08	50159	Y		
ES-Z07-080522	0.69	5/30/08	50159	Y	0.69	0
ES-Z08-080527	0.39	6/5/08	50262	Y		
ES-Z09-080529	0.55	6/5/08	50282	Y	0.47	34
ES-Z11-080605	0.88	6/20/08	50635	Y		
ES-Z10-080602	0.65	6/23/08	50534	Y	0.77	30
ES-Z14-080611 A	0.91	6/26/08	50781	Y		
ES-Z14-080611 B	0.89	6/26/08	50781	Y	0.90	2
WS-Z15-080613 A	0.94	6/26/08	50781	Y		
WS-Z15-080613 B	1	6/26/08	50781	Y	0.97	6
ES-Z12-080606-A	0.65	6/28/08	50807	Y		
ES-Z12-080606-B	0.7	6/28/08	50807	Y	0.68	7
ES-Z13-080610 A	0.54	6/28/08	50807	Y		
ES-Z13-080610 B	0.5	6/28/08	50807	Y	0.52	8
ES-Z11-080605 B	0.75	7/9/08	51044	Y		
WS-Z16-080617-A	0.55	7/9/08	51044	Y	0.65	31
WS-Z16-080617-B	0.58	7/9/08	51044	Y		
WS-Z18-080620 A	0.82	7/9/08	51046	Y	0.70	34
WS-Z18-080620 B	0.75	7/9/08	51046	Y		
ES-Z05-080519 B	0.78	7/17/08	50786	Y	0.77	4
ES-Z06-080520 B	0.78	7/17/08	50786	Y		
ES-Z08-080527 B	0.85	7/17/08	50786	Y	0.82	9
ES-Z09-080529 B	0.84	7/17/08	50786	Y		
ES-Z10-080602 B	0.8	7/17/08	50786	Y	0.82	5
WS-Z01-080430 B	0.79	7/17/08	50786	Y		
WS-Z17-080618 A	0.91	7/18/08	51147	Y	0.85	14
ES-Z19-080624 A	0.47	7/21/08	51148	Y		
ES-Z19-080624 B	0.47	7/21/08	51148	Y	0.47	0
ES-Z07-080522 B	0.92	7/25/08	51406	Y		
WS-Z17-080618 B	0.85	7/25/08	51406	Y	0.89	8

Analysis of EQIS CRMs	
Mean	0.723
Standard Error	0.0287
Median	0.750
Standard Deviation	0.1622
Sample Variance	0.0263
Kurtosis	-0.92
Skewness	-0.33
Range	0.610
Minimum	0.390
Maximum	1.000
Sum	23.140
Count	32
Largest(2)	0.9
Smallest(2)	0.5

RPD of EQIS CRMs	
Mean	14.11
Standard Error	
Median	7.80
Standard Deviation	13.32
Sample Variance	177.51
Kurtosis	-1.38
Skewness	0.70
Range	34.29
Minimum	0.00
Maximum	34.29
Sum	225.69
Count	16
Largest(2)	34.04
Smallest(2)	0.00

Table Indeno(1,2,3-cd)pyrene-5: Indeno(1,2,3-cd)pyrene Laboratory MS and LCS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
87	49841	1	106	49841	1
36	49912	2	90	49912	2
52	50159	3	83	50159	3
52	50169	4	86	50169	4
44	50262	5	90	50262	5
77	50282	6	82	50282	6
62	50403	7	83	50403	7
95	50635	8	95	50635	8
95	50534	9	95	50635	8
91	50781	10	94	50534	9
66	50807	11	94	50534	9
73	51044	12	105	50781	10
82	51046	13	74	50807	11
77	51151	15	74	50807	11
96	51147	16	88	51044	12
76	51148	17	86	51046	13
68	51406	18	98	50786	14
83	56623	19	98	51151	15
			100	51147	16
			101	51148	17
			101	51406	18
			90	56623	19

Average MS Recovery = 73 %   Average LCS Recovery = 92 %

Minimum MS Recovery = 36 %   Minimum LCS Recovery = 74 %

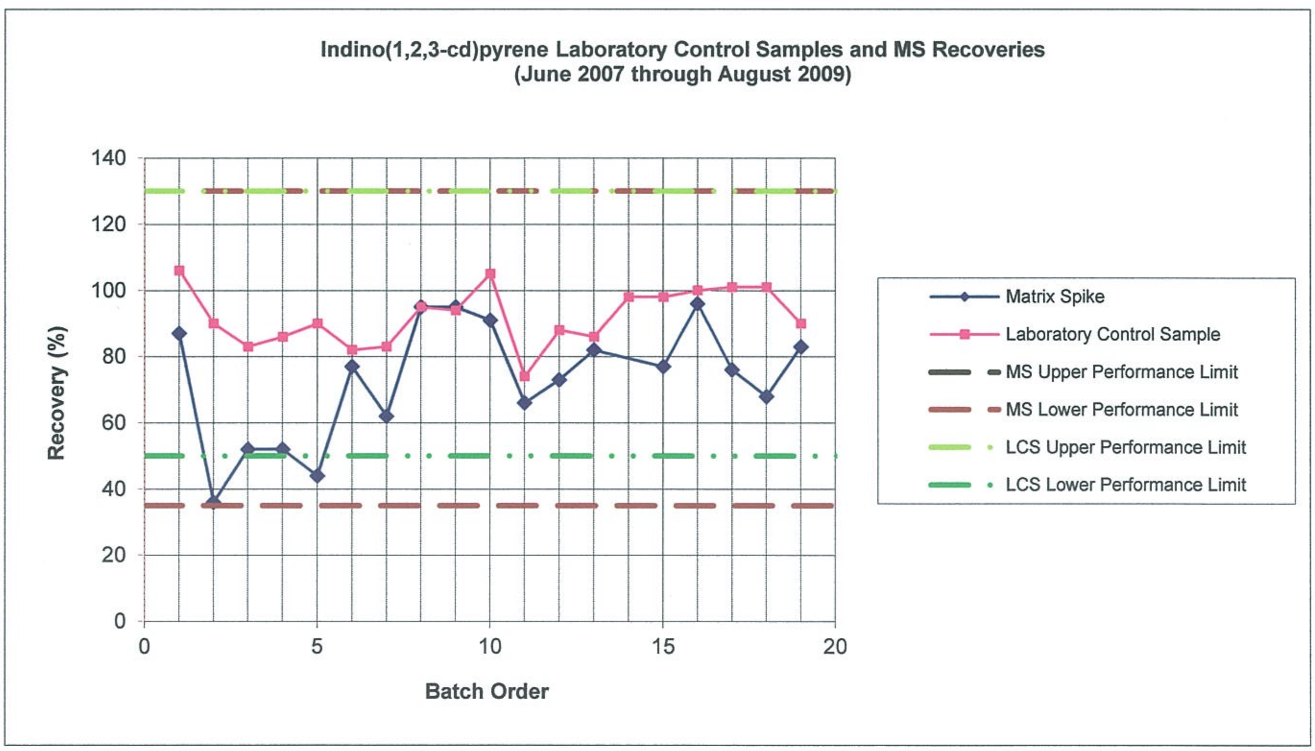

Table Indeno(1,2,3-cd)pyrene-6: Indeno(1,2,3-cd)pyrene - Laboratory MSD				
Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/15/08	27	49841	1
WS-N03-080507MSD	5/23/08	18	49912	2
WS-K05-080509MSD	5/30/08	17	50159	3
WS-K02-080509MSD	6/2/08	14	50169	4
BOR 52, 54, 57, 71MSD	6/4/08	21	50262	5
ES-S07-080521MSD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

Average MSD RPD = 11 %

Maximum MSD RPD = 27 %

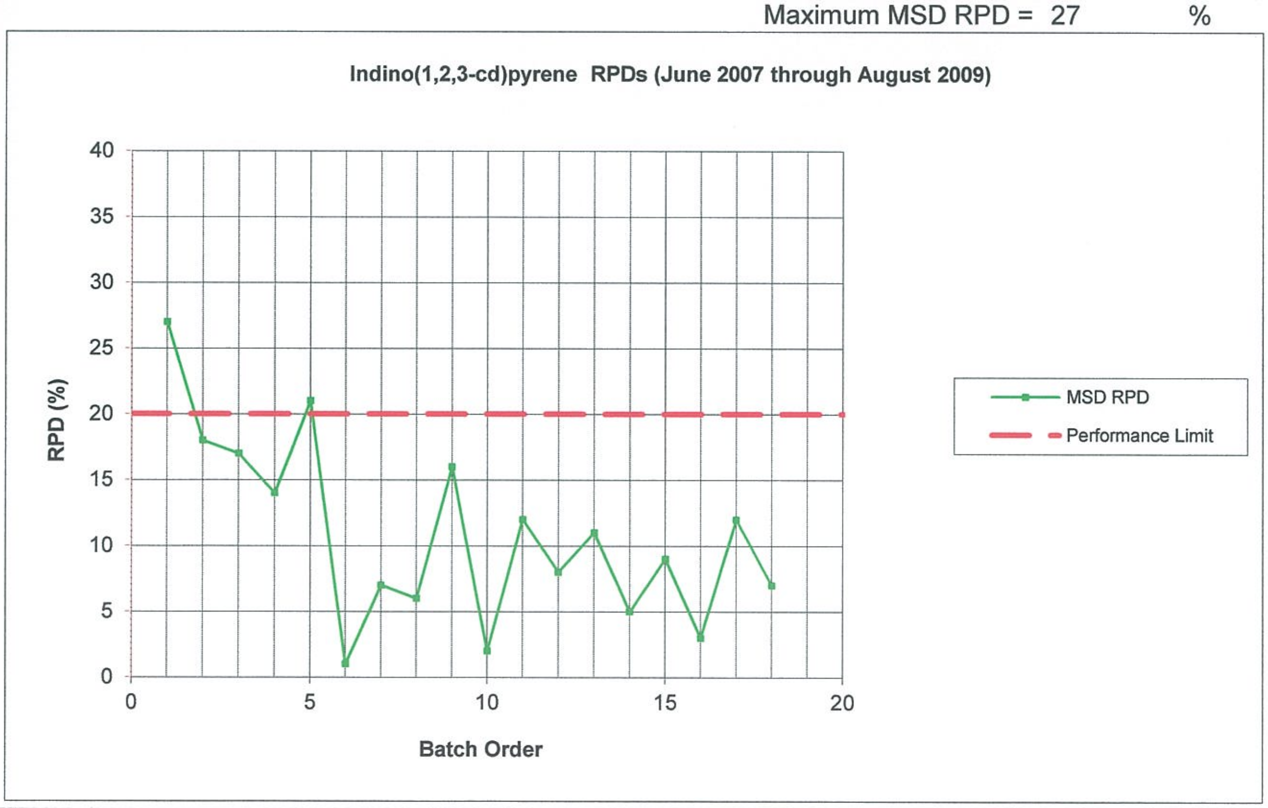

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Table Indeno(1,2,3-cd)pyrene-7: Method 8270CA Surrogate (Terphenyl-D14) Recoveries				
Sample	Recovery	Date	Batch	Order
WS-K04-080513	44	06/02/08	50169	65
ES-R06-080521	43	06/05/08	50282	100
ES-P07-080519	40	06/11/08	50403	110
ES-Q10-D0	36	03/10/09	56175	297
ES-P10-C1	47	03/11/09	56192	315
ES-R09-A1	18	03/12/09	56245	333
ES-N06-C0	48	03/17/09	56337	345
ES-T09-B1	18	03/17/09	56337	352

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

For all Surrogate Measurements	
Mean Recovery	77.0
Median	76.0
Mode	73.0
Standard Deviation	13.1
Minimum	18

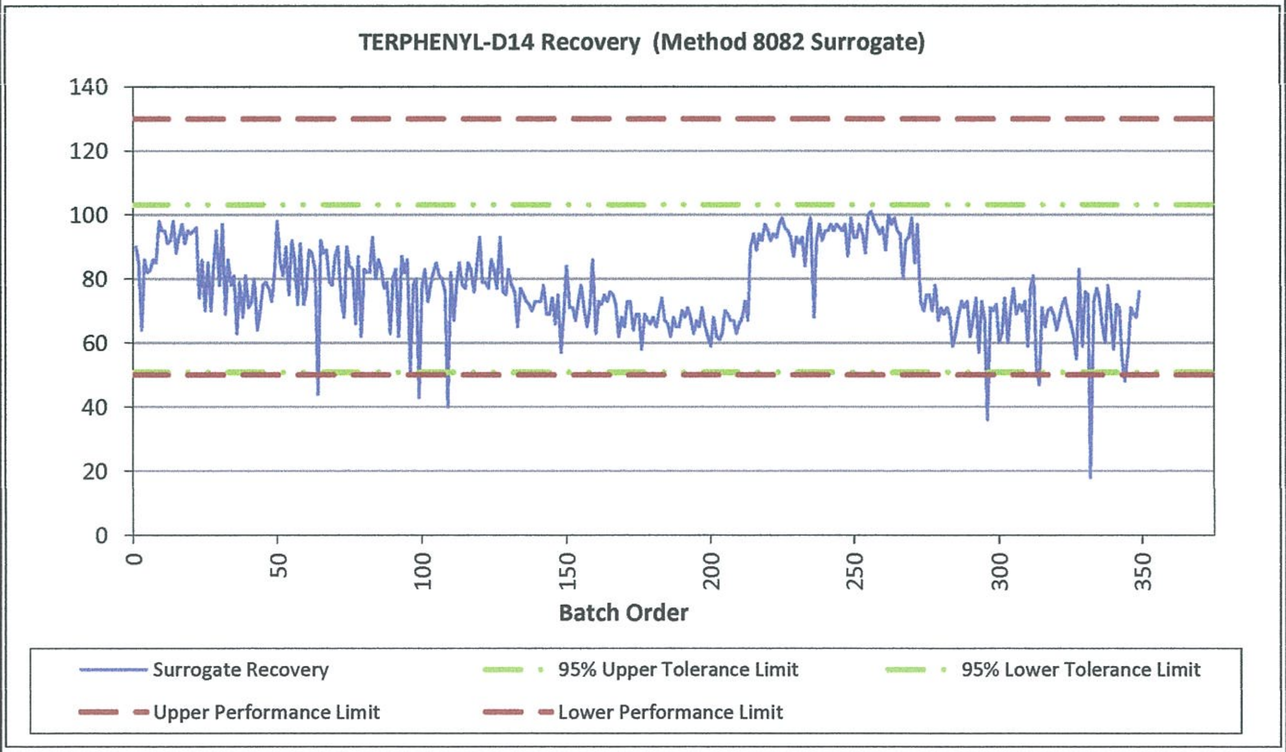
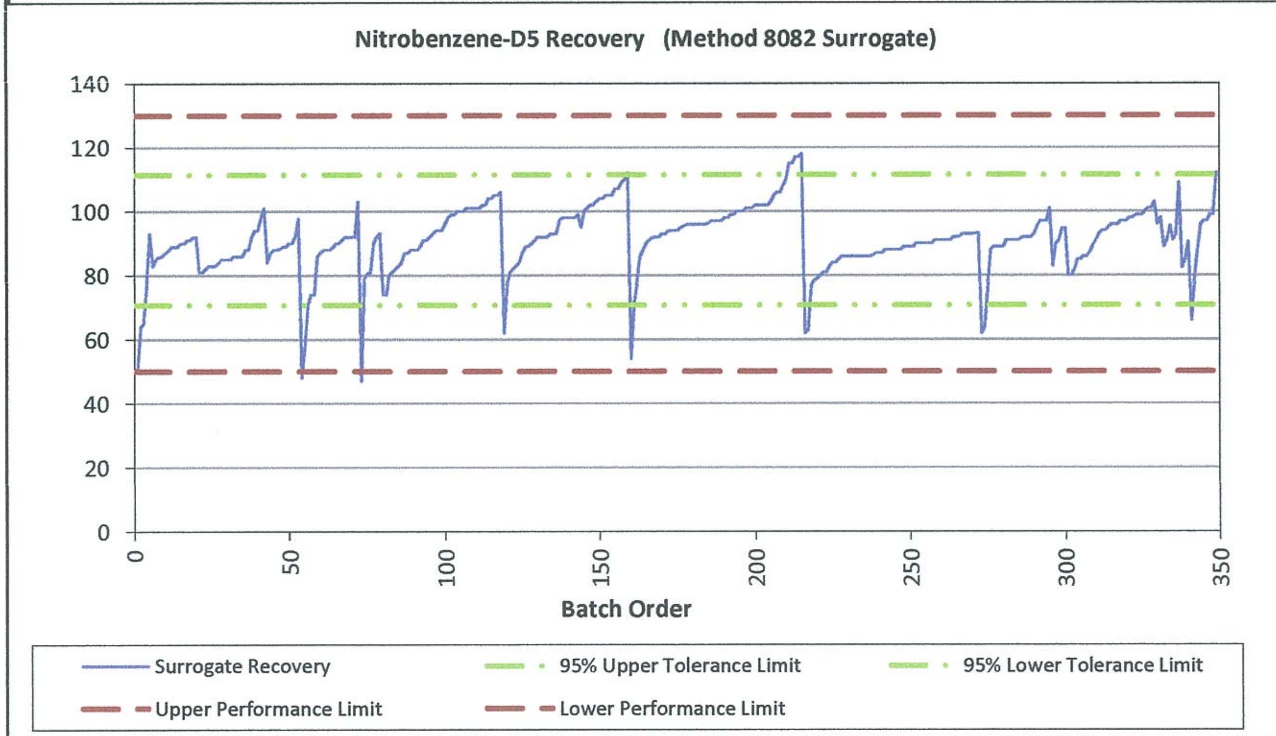


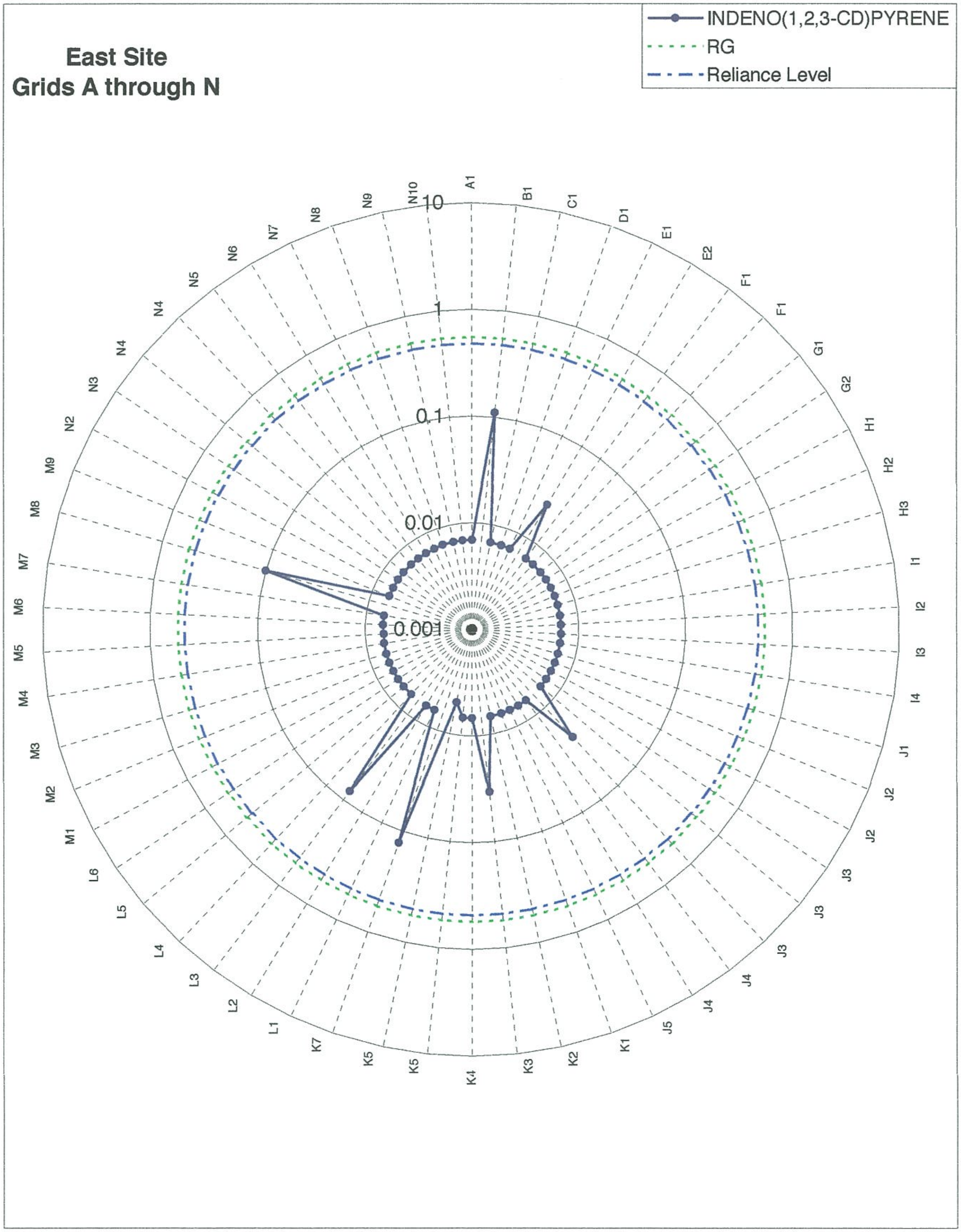
Table Indeno(1,2,3-cd)pyrene-8: Method 8270CA Surrogate (Nitrobenzene-D5) Recoveries

Sample	Recovery	Date	Batch	Order
A7E090000050C	51	39216	7129050	2
BK-102-070430N	64	39216	7129050	3
BK-101-070430N	65	39216	7129050	4
ES-O04-080515	48	39602	50226	55
ES-I02-080514	58	39602	50226	56
ES-P07-080519	47	39603	50226	74
ES-O07-080530	62	39612	50461	120
ES-R16-080605	112	39625	50603	160
ES-U13-080610	54	39626	50810	161
ES-Z10-080602 B	115	39626	50837	212
BOR 94	115	39626	50837	213
ES-Z05-080519 B	117	39626	50837	214
BOR SAMPLES 76,79,82	117	39626	50837	215
ES-Z11-080605 B	118	39626	50837	216
WS-E05-080613	62	39638	50838	217
WS-J04-080617	63	39638	50949	218
ES-K02-080602 B	62	39639	51068	274
BOR 510	64	39639	51067	275
WS-D04-090319	66	39909	56714	342
BOR-702	112	39909	56714	350

For all Surrogate Measurements	
Mean Recovery	91.1
Median	91
Mode	91
Standard Deviation	10.2
Minimum	47

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




East Site
Grids A through N
INDENO(1,2,3-CD)PYRENE
RG
Reliance Level
10
1
0.1
0.01
0.001
A1
B1
C1
D1
E1
E2
F1
F1
G1
G2
H1
H2
H3
I1
I2
I3
I4
J1
J2
J2
J3
J3
J3
J4
J4
J5
K1
K2
K3
K4
K5
K5
K7
L1
L2
L3
L4
L5
L6
M1
M2
M3
M4
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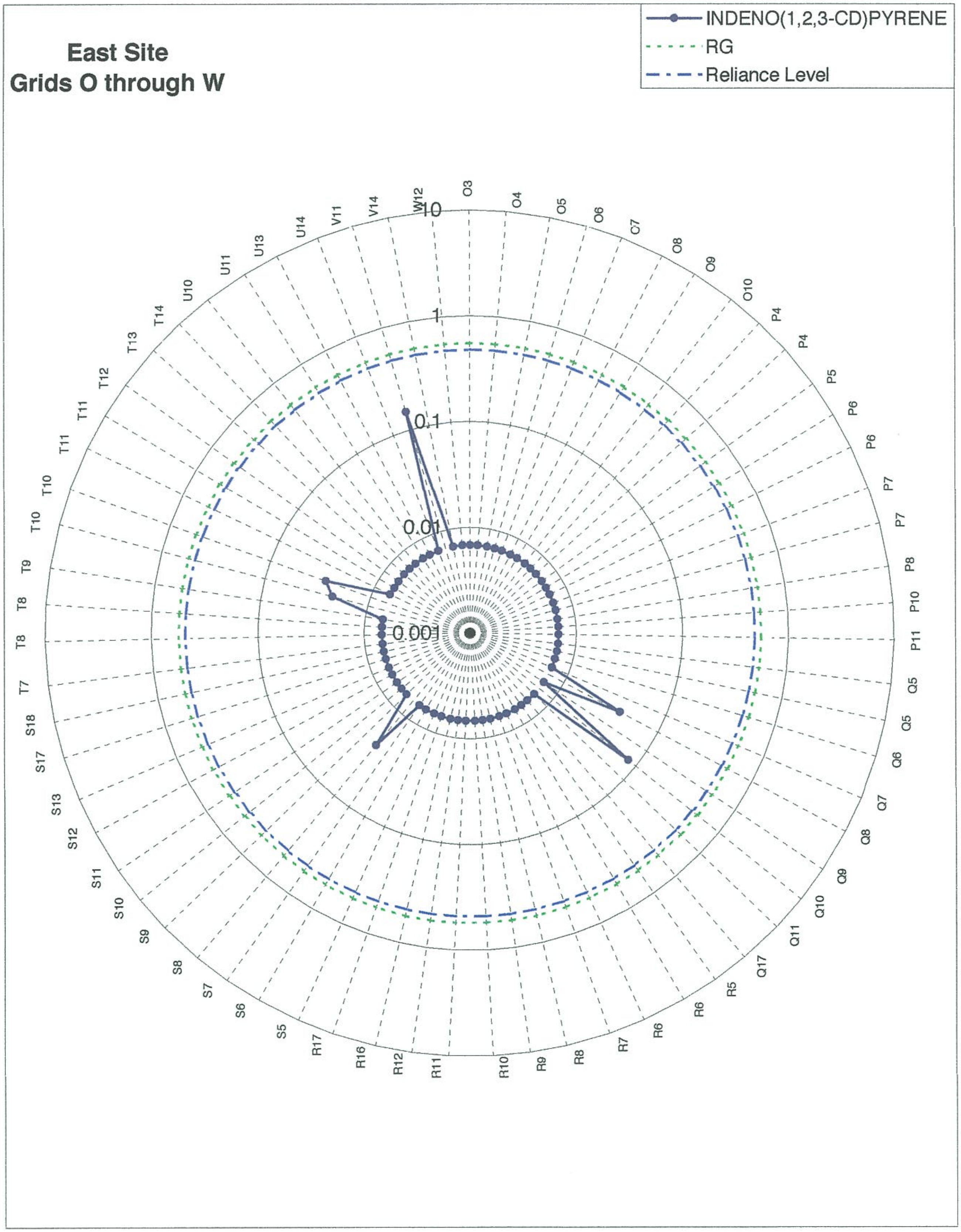
N7
N8
N9
N10



East Site
Grids O through W
INDENO(1,2,3-CD)PYRENE
RG
Reliance Level
10
1
0.1
0.01
0.001
O3
O4
O5
O6
O7
O8
O9
O10
P4
P4
P5
P6
P6
P7
P7
P8
P10
P11
Q5
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q17
R5
R6
R6
R7
R8
R9
R10
R11
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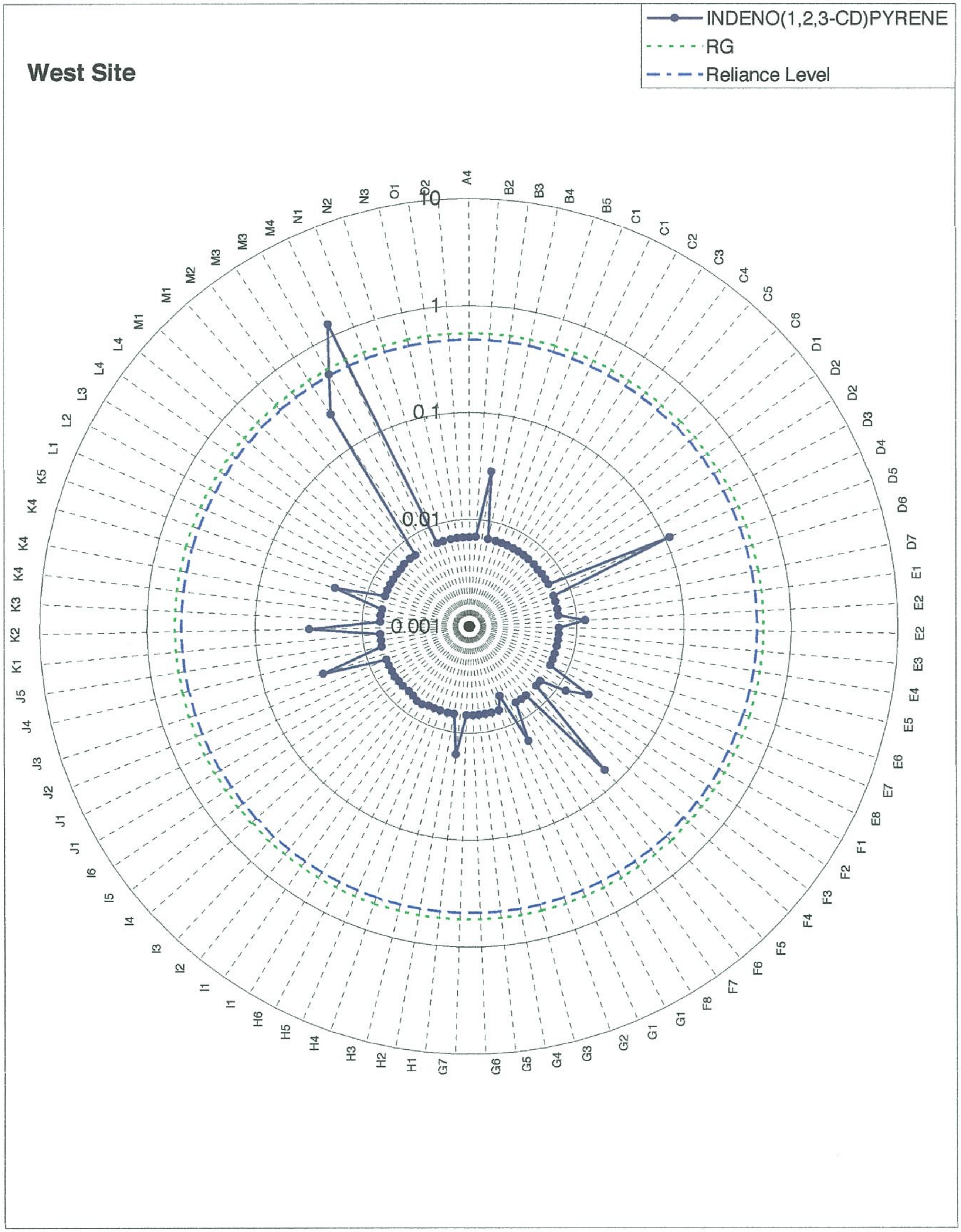
T11
T12
T13
T14
U10
U11
U13
U14
V11
V14
W12


West Site
INDENO(1,2,3-CD)PYRENE
RG
Reliance Level
10
1
0.1
0.01
0.001

INDENO(1,2,3-cd)PYRENE from September 11, 2009 database								
Site	quarter_acre_grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	A1	ES-A01-080623	INDENO(1,2,3-CD)PYRENE	0.0069	07/21/08	51148	N	ES-A01-080623
East	B1	ES-B01-080623	INDENO(1,2,3-CD)PYRENE	0.11	07/21/08	51148	Y	ES-B01-080623
East	C1	ES-C01-080624	INDENO(1,2,3-CD)PYRENE	0.0068	07/21/08	51148	N	ES-C01-080624
East	D1	ES-D01-080624	INDENO(1,2,3-CD)PYRENE	0.0068	07/21/08	51148	N	ES-D01-080624
East	E1	ES-E01-080528	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-E01-080528
East	E2	ES-E02-080611	INDENO(1,2,3-CD)PYRENE	0.023	07/25/08	51406	Y	ES-E02-080611
East	F1	ES-F01-080529	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-F01-080529
East	F1	ES-F01-080529	INDENO(1,2,3-CD)PYRENE	0.0068	07/25/08	51406	N	DUP-17
East	G1	ES-G01-080529	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-G01-080529
East	G2	ES-G02-080605	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-G02-080605
East	H1	ES-H01-080528	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-H01-080528
East	H2	ES-H02-080515	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	ES-H02-080515
East	H3	ES-H03-080605	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-H03-080605
East	I1	ES-I01-080529	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-I01-080529
East	I2	ES-I02-080514	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	ES-I02-080514
East	I3	ES-I03-080513	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	ES-I03-080513
East	I4	ES-I04-080602	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-I04-080602
East	J1	ES-J01-080529	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-J01-080529
East	J2	ES-J02-080527	INDENO(1,2,3-CD)PYRENE	0.0068	06/04/08	50262	N	ES-J02-080527
East	J2	ES-J02-080527	INDENO(1,2,3-CD)PYRENE	0.0068	06/26/08	50781	N	DUP-15
East	J3	ES-J03-080513	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	ES-J03-080513
East	J3	ES-J03-080513	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	DUP-11
East	J3	ES-J03-090323	INDENO(1,2,3-CD)PYRENE	0.024	04/03/09	56623	Y	ES-J03-090323
East	J4	ES-J04-080530	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-J04-080530
East	J4	ES-J04-080530	INDENO(1,2,3-CD)PYRENE	0.0068	07/21/08	51148	N	DUP-18
East	J5	ES-J05-080602	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-J05-080602
East	K1	ES-K01-080602	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-K01-080602
East	K2	ES-K02-080602	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-K02-080602
East	K3	ES-K03-080514	INDENO(1,2,3-CD)PYRENE	0.034	06/02/08	50169	Y	ES-K03-080514
East	K4	ES-K04-080527	INDENO(1,2,3-CD)PYRENE	0.0068	06/04/08	50262	N	ES-K04-080527
East	K5	ES-K05-080605	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-K05-080605
East	K5	ES-K05-080605	INDENO(1,2,3-CD)PYRENE	0.005	07/21/08	51148	N	DUP-19
East	K7	ES-K07-080611	INDENO(1,2,3-CD)PYRENE	0.13	06/26/08	50781	Y	ES-K07-080611
East	L1	ES-L01-080625	INDENO(1,2,3-CD)PYRENE	0.0068	07/17/08	51151	N	ES-L01-080625
East	L2	ES-L02-080625	INDENO(1,2,3-CD)PYRENE	0.0068	07/17/08	51151	N	ES-L02-080625
East	L3	ES-L03-080604	INDENO(1,2,3-CD)PYRENE	0.079	06/20/08	50635	Y	ES-L03-080604
East	L4	ES-L04-080604	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-L04-080604
East	L5	ES-L05-080620	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	ES-L05-080620
East	L6	ES-L06-080605	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	ES-L06-080605
East	M1	ES-M01-080527	INDENO(1,2,3-CD)PYRENE	0.0068	06/04/08	50262	N	ES-M01-080527
East	M2	ES-M02-080519	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-M02-080519
East	M3	ES-M03-080519	INDENO(1,2,3-CD)PYRENE	0.0068	06/03/08	50169	N	ES-M03-080519
East	M4	ES-M04-080515	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	ES-M04-080515
East	M5	ES-M05-080527	INDENO(1,2,3-CD)PYRENE	0.0067	06/04/08	50262	N	ES-M05-080527

East	M6	ES-M06-080520	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-M06-080520
East	M7	ES-M07-080612	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51046	N	ES-M07-080612
East	M8	ES-M08-080610	INDENO(1,2,3-CD)PYRENE	0.1	06/28/08	50807	Y	ES-M08-080610
East	M9	ES-M09-080611	INDENO(1,2,3-CD)PYRENE	0.0068	06/26/08	50781	N	ES-M09-080611
East	N2	ES-N02-080528	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50262	N	ES-N02-080528
East	N3	ES-N03-080520	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-N03-080520
East	N4	ES-N04-080519	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	ES-N04-080519
East	N4	ES-N04-080519	INDENO(1,2,3-CD)PYRENE	0.0068	07/25/08	51406	N	ES-N04-080519
East	N5	ES-N05-080519	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	ES-N05-080519
East	N6	ES-N06-080527	INDENO(1,2,3-CD)PYRENE	0.0068	06/04/08	50262	N	ES-N06-080527
East	N7	ES-N07-080530	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-N07-080530
East	N8	ES-N08-080610	INDENO(1,2,3-CD)PYRENE	0.0069	06/28/08	50807	N	ES-N08-080610
East	N9	ES-N09-080610	INDENO(1,2,3-CD)PYRENE	0.0069	06/26/08	50781	N	ES-N09-080610
East	N10	ES-N10-080610	INDENO(1,2,3-CD)PYRENE	0.0069	06/28/08	50807	N	ES-N10-080610
East	O3	ES-O03-080528	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50262	N	ES-O03-080528
East	O4	ES-O04-080515	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	ES-O04-080515
East	O5	ES-O05-080520	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-O05-080520
East	O6	ES-O06-080529	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-O06-080529
East	O7	ES-O07-080530	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-O07-080530
East	O8	ES-O08-080530	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-O08-080530
East	O9	ES-O09-080610	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	ES-O09-080610
East	O10	ES-O10-080611	INDENO(1,2,3-CD)PYRENE	0.0068	06/26/08	50781	N	ES-O10-080611
East	P4	ES-P04-080528	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-P04-080528
East	P4	ES-P04-080528	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	DUP-16
East	P5	ES-P05-080513	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	ES-P05-080513
East	P6	ES-P06-080515	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	ES-P06-080515
East	P6	ES-P06-080515	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	DUP-12
East	P7	ES-P07-080519	INDENO(1,2,3-CD)PYRENE	0.0068	06/11/08	50403	N	ES-P07-080519
East	P7	ES-P07-080519	INDENO(1,2,3-CD)PYRENE	0.0068	07/25/08	51406	N	ES-P07-080519
East	P8	ES-P08-080530	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-P08-080530
East	P10	ES-P10-080606	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-P10-080606
East	P11	ES-P11-080606	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-P11-080606
East	Q5	ES-Q05-080520	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-Q05-080520
East	Q5	ES-Q05-080520	INDENO(1,2,3-CD)PYRENE	0.0068	07/25/08	51406	N	ES-Q05-080520
East	Q6	ES-Q06-080520	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-Q06-080520
East	Q7	ES-Q07-080519	INDENO(1,2,3-CD)PYRENE	0.0068	06/03/08	50169	N	ES-Q07-080519
East	Q8	ES-Q08-080519	INDENO(1,2,3-CD)PYRENE	0.039	06/03/08	50169	Y	ES-Q08-080519
East	Q9	ES-Q09-080612	INDENO(1,2,3-CD)PYRENE	0.0068	06/26/08	50781	N	ES-Q09-080612
East	Q10	ES-Q10-080606	INDENO(1,2,3-CD)PYRENE	0.081	06/20/08	50635	Y	ES-Q10-080606
East	Q11	ES-Q11-080606	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-Q11-080606
East	Q17	ES-Q17-080609	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	ES-Q17-080609
East	R5	ES-R05-080521	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-R05-080521
East	R6	ES-R06-080521	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-R06-080521
East	R6	ES-R06-080521	INDENO(1,2,3-CD)PYRENE	0.0068	07/25/08	51406	N	ES-R06-080521
East	R7	ES-R07-080521	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-R07-080521
East	R8	ES-R08-080519	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-R08-080519
East	R9	ES-R09-080520	INDENO(1,2,3-CD)PYRENE	0.0068	06/11/08	50403	N	ES-R09-080520
East	R10	ES-R10-080602	INDENO(1,2,3-CD)PYRENE	0.0068	06/23/08	50534	N	ES-R10-080602
East	R11	ES-R11-080605	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-R11-080605
East	R12	ES-R12-080611	INDENO(1,2,3-CD)PYRENE	0.0068	06/26/08	50781	N	ES-R12-080611

East	R16	ES-R16-080605	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-R16-080605
East	R17	ES-R17-080606	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-R17-080606
East	S5	ES-S05-080521	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-S05-080521
East	S6	ES-S06-080521	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-S06-080521
East	S7	ES-S07-080521	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	ES-S07-080521
East	S8	ES-S08-080522	INDENO(1,2,3-CD)PYRENE	0.024	06/04/08	50262	Y	ES-S08-080522
East	S9	ES-S09-080522	INDENO(1,2,3-CD)PYRENE	0.0068	06/04/08	50262	N	ES-S09-080522
East	S10	ES-S10-080523	INDENO(1,2,3-CD)PYRENE	0.0068	06/04/08	50262	N	ES-S10-080523
East	S11	ES-S11-080528	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50262	N	ES-S11-080528
East	S12	ES-S12-080609	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	ES-S12-080609
East	S13	ES-S13-080610	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	ES-S13-080610
East	S17	ES-S17-080606	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-S17-080606
East	S18	ES-S18-080606	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-S18-080606
East	T7	ES-T07-080612	INDENO(1,2,3-CD)PYRENE	0.0068	06/26/08	50781	N	ES-T07-080612
East	T8	ES-T08-080522	INDENO(1,2,3-CD)PYRENE	0.0068	06/04/08	50262	N	ES-T08-080522
East	T8	ES-T08-080522	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	DUP-13
East	T9	ES-T09-080522	INDENO(1,2,3-CD)PYRENE	0.0068	06/04/08	50262	N	ES-T09-080522
East	T10	ES-T10-080523	INDENO(1,2,3-CD)PYRENE	0.022	06/04/08	50262	Y	ES-T10-080523
East	T10	ES-T10-080523	INDENO(1,2,3-CD)PYRENE	0.028	07/09/08	51046	Y	DUP-14
East	T11	ES-T11-080530	INDENO(1,2,3-CD)PYRENE	0.0069	06/23/08	50534	N	ES-T11-080530
East	T11	ES-T11-080530	INDENO(1,2,3-CD)PYRENE	0.0068	07/25/08	51406	N	ES-T11-080530
East	T12	ES-T12-080609	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	ES-T12-080609
East	T13	ES-T13-080609	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	ES-T13-080609
East	T14	ES-T14-080610	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	ES-T14-080610
East	U10	ES-U10-080523	INDENO(1,2,3-CD)PYRENE	0.0068	06/04/08	50262	N	ES-U10-080523
East	U11	ES-U11-080602	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-U11-080602
East	U13	ES-U13-080610	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	ES-U13-080610
East	U14	ES-U14-080610	INDENO(1,2,3-CD)PYRENE	0.0068	06/28/08	50807	N	ES-U14-080610
East	V11	ES-V11-080529	INDENO(1,2,3-CD)PYRENE	0.15	06/23/08	50534	Y	ES-V11-080529
East	V14	ES-V14-080605	INDENO(1,2,3-CD)PYRENE	0.0068	06/20/08	50635	N	ES-V14-080605
East	W12	ES-W12-080527	INDENO(1,2,3-CD)PYRENE	0.0068	06/04/08	50262	N	080527
West	A4	WS-A04-080626	INDENO(1,2,3-CD)PYRENE	0.0068	07/17/08	51151	N	080626
West	B2	WS-B02-080502	INDENO(1,2,3-CD)PYRENE	0.0069	05/29/08	49912	N	080502
West	B3	WS-B03-080502	INDENO(1,2,3-CD)PYRENE	0.029	05/20/08	49912	Y	080502
West	B4	WS-B04-080626	INDENO(1,2,3-CD)PYRENE	0.0068	07/17/08	51151	N	080626
West	B5	WS-B05-080626	INDENO(1,2,3-CD)PYRENE	0.0068	07/17/08	51151	N	080626
West	C1	WS-C01-080501	INDENO(1,2,3-CD)PYRENE	0.0068	05/15/08	49841	N	080501
West	C1	WS-C01-080501	INDENO(1,2,3-CD)PYRENE	0.0068	05/30/08	50159	N	DUP-3
West	C2	WS-C02-080428	INDENO(1,2,3-CD)PYRENE	0.0068	05/15/08	49841	N	080428
West	C3	WS-C03-080620	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080620
West	C4	WS-C04-080623	INDENO(1,2,3-CD)PYRENE	0.0068	07/21/08	51148	N	080623
West	C5	WS-C05-080620	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51046	N	080620
West	C6	WS-C06-080624	INDENO(1,2,3-CD)PYRENE	0.0068	07/21/08	51148	N	080624
West	D1	WS-D01-080430	INDENO(1,2,3-CD)PYRENE	0.0067	05/15/08	49841	N	080430
West	D2	WS-D02-080429	INDENO(1,2,3-CD)PYRENE	0.0068	05/15/08	49841	N	DUP-2
West	D2	WS-D02-080429	INDENO(1,2,3-CD)PYRENE	0.0068	05/15/08	49841	N	080429
West	D3	WS-D03-080620	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080620
West	D4	WS-D04-080623	INDENO(1,2,3-CD)PYRENE	0.11	07/17/08	51151	Y	080623
West	D5	WS-D05-080620	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080620
West	D6	WS-D06-080619	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080619

West	D7	WS-D07-080619	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080619
West	E1	WS-E01-080430	INDENO(1,2,3-CD)PYRENE	0.0068	05/15/08	49841	N	080430
West	E2	WS-E02-080428	INDENO(1,2,3-CD)PYRENE	0.012	05/15/08	49841	Y	DUP-1
West	E2	WS-E02-080428	INDENO(1,2,3-CD)PYRENE	0.0068	05/15/08	49841	N	080428
West	E3	WS-E03-080619	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080619
West	E4	WS-E04-080613	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080613
West	E5	WS-E05-080613	INDENO(1,2,3-CD)PYRENE	0.0068	06/26/08	50781	N	080613
West	E6	WS-E06-080613	INDENO(1,2,3-CD)PYRENE	0.0068	07/17/08	51151	N	080613
West	E7	WS-E07-080613	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080613
West	E8	WS-E08-080616	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080616
West	F1	WS-F01-080429	INDENO(1,2,3-CD)PYRENE	0.019	05/15/08	49841	Y	080429
West	F2	WS-F02-080429	INDENO(1,2,3-CD)PYRENE	0.012	05/15/08	49841	Y	080429
West	F3	WS-F03-080619	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080619
West	F4	WS-F04-080616	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080616
West	F5	WS-F05-080612	INDENO(1,2,3-CD)PYRENE	0.069	07/09/08	51044	Y	080612
West	F6	WS-F06-080612	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080612
West	F7	WS-F07-080617	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080617
West	F8	WS-F08-080618	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080618
West	G1	WS-G01-080501	INDENO(1,2,3-CD)PYRENE	0.016	05/15/08	49841	Y	080501
West	G1	WS-G01-080501	INDENO(1,2,3-CD)PYRENE	0.0051	05/30/08	50159	N	DUP-4
West	G2	WS-G02-080618	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080618
West	G3	WS-G03-080619	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080619
West	G4	WS-G04-080616	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080616
West	G5	WS-G05-080613	INDENO(1,2,3-CD)PYRENE	0.0068	06/26/08	50781	N	080613
West	G6	WS-G06-080616	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080616
West	G7	WS-G07-080617	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080617
West	H1	WS-H01-080501	INDENO(1,2,3-CD)PYRENE	0.016	05/20/08	49912	Y	080501
West	H2	WS-H02-080618	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080618
West	H3	WS-H03-080619	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	080619
West	H4	WS-H04-080616	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080616
West	H5	WS-H05-080613	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080613
West	H6	WS-H06-080617	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	080617
West	I1	WS-I01-080501	INDENO(1,2,3-CD)PYRENE	0.0071	05/29/08	49912	N	WS-I01-080501
West	I1	WS-I01-080501	INDENO(1,2,3-CD)PYRENE	0.0071	05/30/08	50159	N	DUP-5
West	I2	WS-I02-080618	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	WS-I02-080618
West	I3	WS-I03-080618	INDENO(1,2,3-CD)PYRENE	0.0067	07/18/08	51147	N	WS-I03-080618
West	I4	WS-I04-080617	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	WS-I04-080617
West	I5	WS-I05-080617	INDENO(1,2,3-CD)PYRENE	0.0068	07/09/08	51044	N	WS-I05-080617
West	I6	WS-I06-080617	INDENO(1,2,3-CD)PYRENE	0.0069	07/09/08	51044	N	WS-I06-080617
West	J1	WS-J01-080505	INDENO(1,2,3-CD)PYRENE	0.0068	05/29/08	49912	N	WS-J01-080505
West	J1	WS-J01-080505	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	DUP-6
West	J2	WS-J02-080624	INDENO(1,2,3-CD)PYRENE	0.0068	07/21/08	51148	N	WS-J02-080624
West	J3	WS-J03-080620	INDENO(1,2,3-CD)PYRENE	0.027	07/09/08	51046	Y	WS-J03-080620
West	J4	WS-J04-080617	INDENO(1,2,3-CD)PYRENE	0.0069	07/09/08	51044	N	WS-J04-080617
West	J5	WS-J05-080618	INDENO(1,2,3-CD)PYRENE	0.0068	07/18/08	51147	N	WS-J05-080618
West	K1	WS-K01-080505	INDENO(1,2,3-CD)PYRENE	0.0068	05/28/08	49912	N	080505
West	K2	WS-K02-080509	INDENO(1,2,3-CD)PYRENE	0.031	06/02/08	50169	N	080509
West	K3	WS-K03-080509	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	080509
West	K4	WS-K04-080513	INDENO(1,2,3-CD)PYRENE	0.0068	06/02/08	50169	N	080513

West	K4	WS-K04-080513	INDENO(1,2,3-CD)PYRENE	0.0067	06/23/08	50534	N	DUP-10
West	K4	WS-K04-080513	INDENO(1,2,3-CD)PYRENE	0.02	07/25/08	51406	Y	080513
West	K5	WS-K05-080509	INDENO(1,2,3-CD)PYRENE	0.0068	05/30/08	50159	N	080509
West	L1	WS-L01-080505	INDENO(1,2,3-CD)PYRENE	0.0068	05/28/08	49912	N	WS-L01-080505
West	L2	WS-L02-080508	INDENO(1,2,3-CD)PYRENE	0.0068	05/20/08	49912	N	WS-L02-080508
West	L3	WS-L03-080508	INDENO(1,2,3-CD)PYRENE	0.0068	05/20/08	49912	N	WS-L03-080508
West	L4	WS-L04-080508	INDENO(1,2,3-CD)PYRENE	0.0068	05/20/08	49912	N	WS-L04-080508
West	L4	WS-L04-080508	INDENO(1,2,3-CD)PYRENE	0.0068	06/05/08	50282	N	DUP-9
West	M1	WS-M01-080505	INDENO(1,2,3-CD)PYRENE	0.0069	05/29/08	49912	N	080505
West	M1	WS-M01-080505	INDENO(1,2,3-CD)PYRENE	0.0069	05/30/08	50159	N	DUP-7
West	M2	WS-M02-080507	INDENO(1,2,3-CD)PYRENE	0.0068	05/29/08	49912	N	080507
West	M3	WS-M03-080507	INDENO(1,2,3-CD)PYRENE	0.23	05/29/08	49912	Y	080507
West	M3	WS-M03-080507	INDENO(1,2,3-CD)PYRENE	0.49	06/05/08	50262	Y	DUP-8
West	M4	WS-M04-080507	INDENO(1,2,3-CD)PYRENE	1.3	06/04/08	49912	Y	080507
West	N1	WS-N01-080506	INDENO(1,2,3-CD)PYRENE	0.0068	05/29/08	49912	N	080506
West	N2	WS-N02-080506	INDENO(1,2,3-CD)PYRENE	0.0068	05/20/08	49912	N	080506
West	N3	WS-N03-080507	INDENO(1,2,3-CD)PYRENE	0.0068	05/20/08	49912	N	080507
West	O1	WS-O01-080506	INDENO(1,2,3-CD)PYRENE	0.0068	05/28/08	49912	N	080506
West	O2	WS-O02-080506	INDENO(1,2,3-CD)PYRENE	0.0068	05/29/08	49912	N	080506

Table Benzene-1: Benzene Data Quality Summary

Laboratory Performance Criteria	Criteria	Measured	Comment
Minimum LCS Recovery	greater than 80%	88%	
Minimum Matrix Spike Recovery	greater than 80%	86%	
Minimum Surrogate Recovery	greater than 80%	102%	A,A,A-Trifluorotoluene
Average LCS Recovery	N/A	96%	
Average Matrix Spike Recovery	N/A	98%	
Average Surrogate Recovery	N/A	117%	A,A,A-Trifluorotoluene
Maximum MSD RPD	less than 20%	21%	
Average MSD RPD	N/A	6%	
Measurement Quality Objectives	Critera	Measured	
NPS CRM	None	Minimum Recovery = N/A	mg/kg
EQIS CRM	N/A	Minimum Recovery = N/A	mg/kg
CVS Split Analysis RPD	RPD less than 35%	Maximum RPD = N/A	%
CRM Split Analysis RPD	RPD less than 35%	Maximum RPD = 0	%
Overall QC Indicator Measurements	Criteria	Measured	
NPS CRM "Made to" (Bias measure)	N/A	Average Recovery = N/A	%
NPS Replicate Test (Precision measure)	None	Standard Deviation = N/A	mg/kg
Data Quality Relative to Remediation Goals			
Tier 1 Remediation Goal	0.0060	mg/kg	
Tier 2 Remediation Goal	None		
QC Derived Reliance Level	0.0059 mg/kg	See Note 1	

Comments: High surrogate recoveries (all greater than 100%) indicate a measurement bias favoring high concentrations. However, minimum LCS recovery and minimum matrix spike recovery that are similar in magnitude to respective average recoveries indicate a slight, consistent, bias favoring low measurements. As desired, the derived reliance level (.0059) is greater than the RG (0.0060 mg/kg), reflecting the generally good precision and accuracy in benzene measurements, and indicating that measurement bias issues are not so significant that they are likely to adversely impact decisions related to RG achievement. No measured CVS benzene concentrations exceeded the derived reliance level that did not also exceed the RG. Therefore, it is concluded that benzene CVS measurements are of acceptable quality and may be used to determine RG achievement.

Note 1: A standard deviation (.00156 mg/kg) is estimated to represent measurement precision near the RG and is calculated as the product of the RG (0.0060 mg/kg) and a coefficient of variation estimated from MSD results (0.26). It is used with the presumption of no bias to calculate the derived reliance level (.0059).
Derived reliance level is calculated as: (Tier 1 RG)(1.2)(Average Recovery)-(0.84)(Standard deviation) = (0.003)(1.2)(.31)-(0.84)(0.00023) = 0.0059 mg/kg

Table Benzene-2: Benzene - NPS CRMs				
Blind NPS CRM Results				
Sample	Result	Analysis Date	Batch	Detect
None				

CRMs	Vendor Supplied Information
Mean	*Made to*
Standard Error	*mg/kg*
Median	
Standard Deviation	*Upper Acceptance Limit*
Sample Variance	*mg/kg*
Kurtosis	
Skewness	*Lower Acceptance Limit*
Range	*mg/kg*
Minimum	
Maximum	
Sum	
Count	
Largest(2)	
Smallest(2)	

Table Benzene-3: Benzene NPS and EQIS Duplicates

Sample	Result	Analysis Date	Batch	Split	Result	Analysis Date	RPD
DUP-1	0.00320	5/17/08	49812	WS-E02-080428	0.00320	5/7/2008	
DUP-2	0.00300	5/17/08	49812	WS-D02-080429	0.00310	5/7/2008	
DUP-3	0.00400	5/17/08	49812	WS-C01-080501	0.00420	5/7/2008	
DUP-4	0.00310	5/20/08	49927	WS-G01-080501	0.00390	5/7/2008	
DUP-5	0.00350	5/21/08	49954	WS-I01-080501	0.00430	5/7/2008	
DUP-7	0.00460	6/2/08	50126	WS-M01-080505	0.00520	5/8/2008	
DUP-8	0.00400	6/3/08	50199	WS-M03-080507	0.00400	6/3/2008	
DUP-9	0.00280	6/9/08	50245	WS-L04-080508	0.00280	5/17/2008	
DUP-10	0.00300	6/10/08	50323	WS-K04-080513	0.00390	5/20/2008	
DUP-11	0.00380	6/10/08	50323	ES-J03-080513	0.00290	5/20/2008	
DUP-12	0.00320	6/19/08	50547	ES-P06-080515	0.00300	5/20/2008	
DUP-13	0.00300	6/20/08	50548	ES-T08-080522	0.00360	6/2/2008	
DUP-14	0.00330	6/20/08	50548	ES-T10-080523	0.00280	6/2/2008	
DUP-15	0.00320	6/21/08	50549	ES-J02-080527	0.00360	6/3/2008	
DUP-16	0.00350	6/25/08	50697	ES-P04-080528	0.00370	6/3/2008	
DUP-17	0.00250	6/26/08	50697	ES-F01-080529	0.00290	6/9/2008	
DUP-18	0.00290	6/26/08	50698	ES-J04-080530	0.00340	6/9/2008	
DUP-19	0.00260	7/2/08	50903	ES-K05-080605	0.00320	6/11/2008	
DUP 20A	0.00460	11/24/08	54434	WS-C03-081111	0.00320	11/24/2008	36

☐ Below reporting limit. Reporting limit shown.

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

Table Benzene-4: Benzene EQIS CRMs

Results of Duplicate Analysis of EQIS CRMs

Sample	Result	Date	Batch	Detect	Average	RPD
ES-Z19-080624 A	0.0069	7/3/08	50903	Y		
ES-Z19-080624 B	0.0069	7/3/08	50903	Y	0.0069	0
WS-Z18-080620 A	0.0053	6/27/08	50698	Y		
WS-Z18-080620 B	0.0053	6/27/08	50698	Y	0.0053	0

Analysis of EQIS CRMs	
Mean	0.00610
Standard Error	0.00046
Median	0.00610
Standard Deviation	0.00092
Sample Variance	0.00000
Kurtosis	-6.00
Skewness	0.00
Range	0.00160
Minimum	0.00530
Maximum	0.00690
Sum	0.024
Count	4
Largest(2)	0.00690
Smallest(2)	0.00530

RPD of EQIS CRMs	
Mean	0.00
Standard Error	
Median	0.00
Standard Deviation	0.00
Sample Variance	0.00
Kurtosis	#DIV/0!
Skewness	#DIV/0!
Range	0.00
Minimum	0.00
Maximum	0.00
Sum	0.00
Count	2
Largest(2)	0.00
Smallest(2)	0.00

Table Benzene-5: Benzene Laboratory LCS and MS

Matrix Spike Recovery %	Batch	Order	LCS Recovery %	Batch	Order
98	49691	1	92	49691	1
95	49812	2	92	49812	2
103	49927	3	101	49927	3
92	49954	4	91	49954	4
96	50126	5	95	50126	5
100	50199	6	99	50199	6
104	50245	7	93	50245	7
91	50323	8	100	50323	8
100	50323	8	112	50547	9
105	50547	9	108	50548	10
102	50548	10	97	50549	11
103	50549	11	90	50696	12
94	50696	12	89	50697	13
86	50697	13	91	50698	14
92	50698	14	91	50903	15
102	50903	15	88	54434	16
102	50903	15			
95	54434	16			

Average MS Recovery = 98 % Average LCS Recovery = 96 %

Minimum MS Recovery = 86 % Minimum LCS Recovery = 88 %

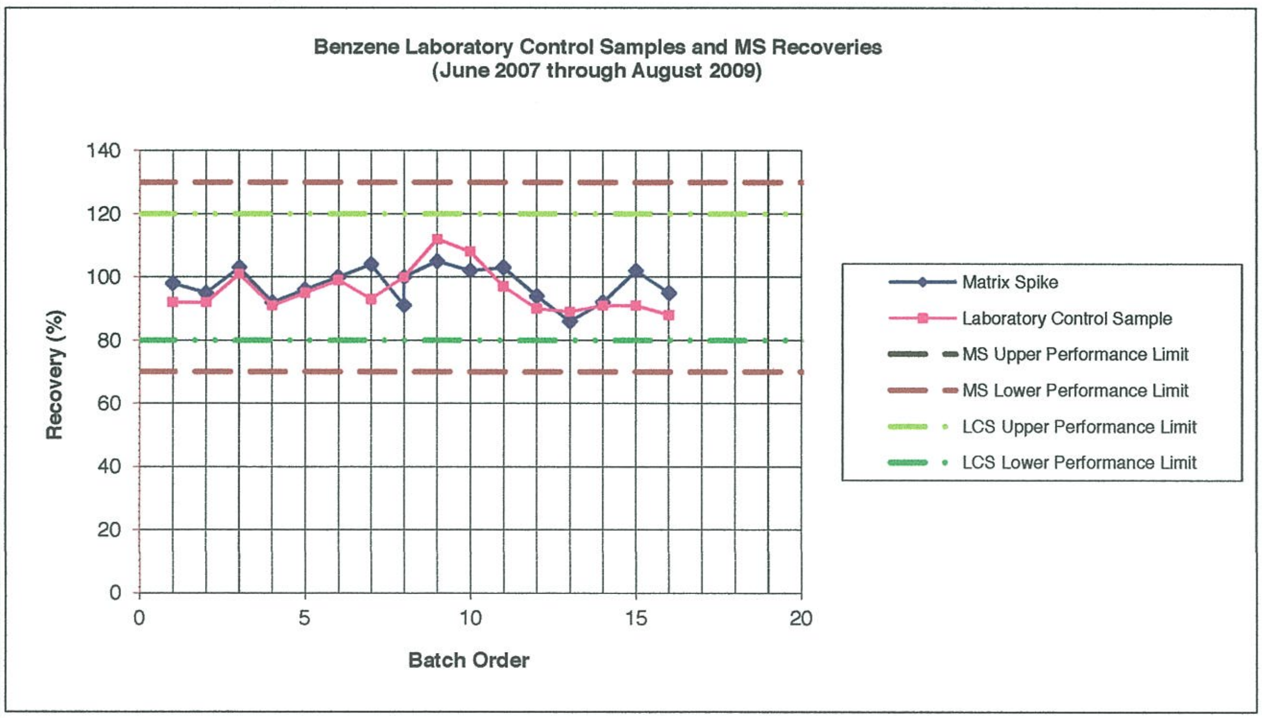


Table Benzene-6: Benzene - Laboratory MSD				
Sample	Date	RPD	Batch	Order
WS-F02-080429MSD	5/8/08	2	49691	1
WS-N03-080507MSD	5/17/08	0	49812	2
DUP-4MSD	5/20/08	2	49927	3
ES-P07-080519MSD	5/22/08	6	49954	4
ES-S07-080521MSD	6/3/08	6	50126	5
ES-W12-080527MSD	6/3/08	1	50199	6
ES-V11-080529MSD	6/10/08	6	50245	7
ES-K02-080602MSD	6/11/08	1	50323	8
ES-L06-080605MSD	6/11/08	20	50323	8
ES-P11-080606MSD	6/19/08	0	50547	9
ES-N09-080610MSD	6/20/08	10	50548	10
WS-E04-080613MSD	6/21/08	9	50549	11
WS-E08-080616MSD	6/25/08	10	50696	12
WS-I02-080618MSD	6/26/08	1	50697	13
WS-F03-080619MSD	6/27/08	3	50698	14
WS-D04-080623MSD	7/3/08	21	50903	15
ES-C01-080624MSD	7/3/08	9	50903	15
ES-O08-081113MSD	11/24/08	6	54434	16

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

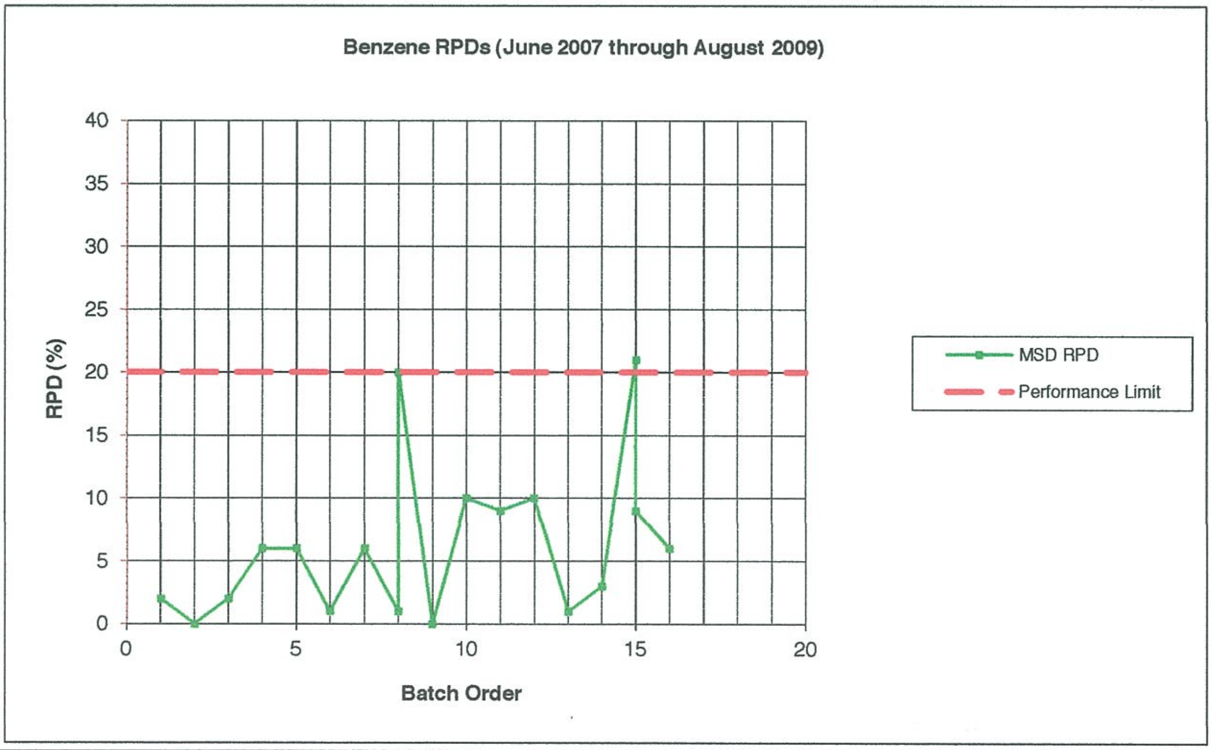
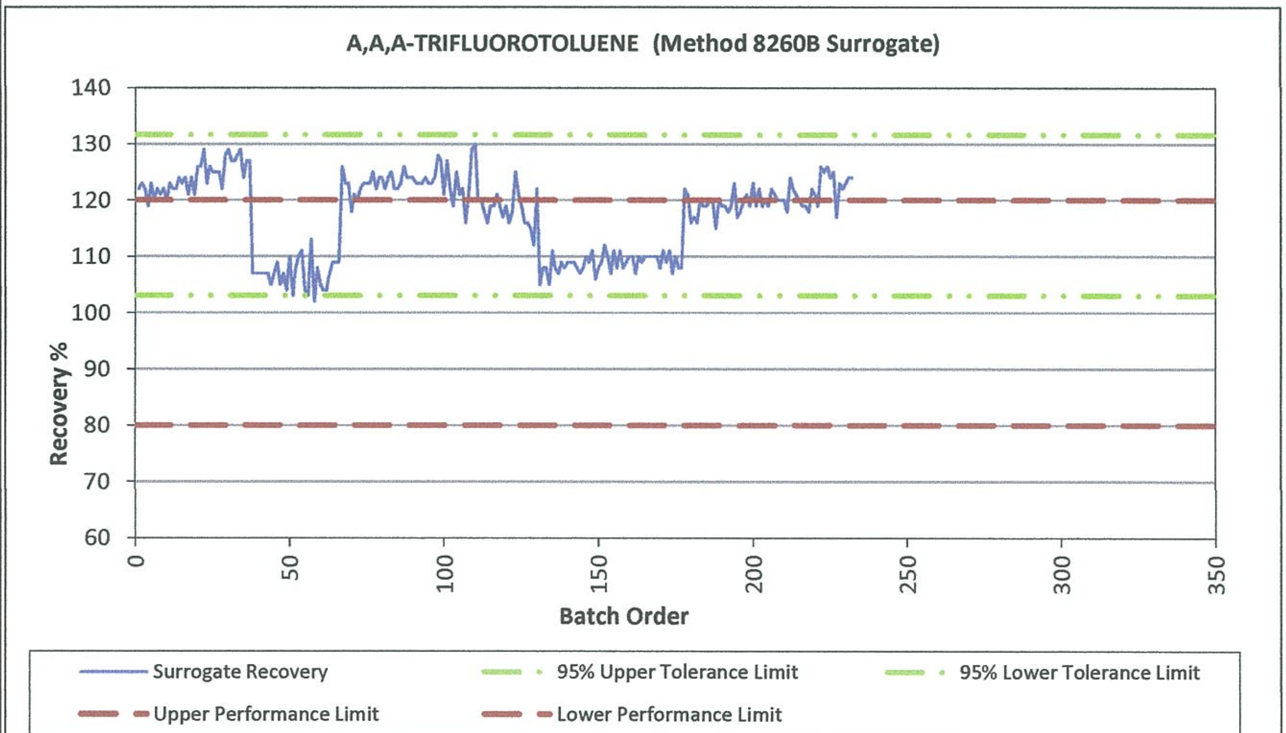
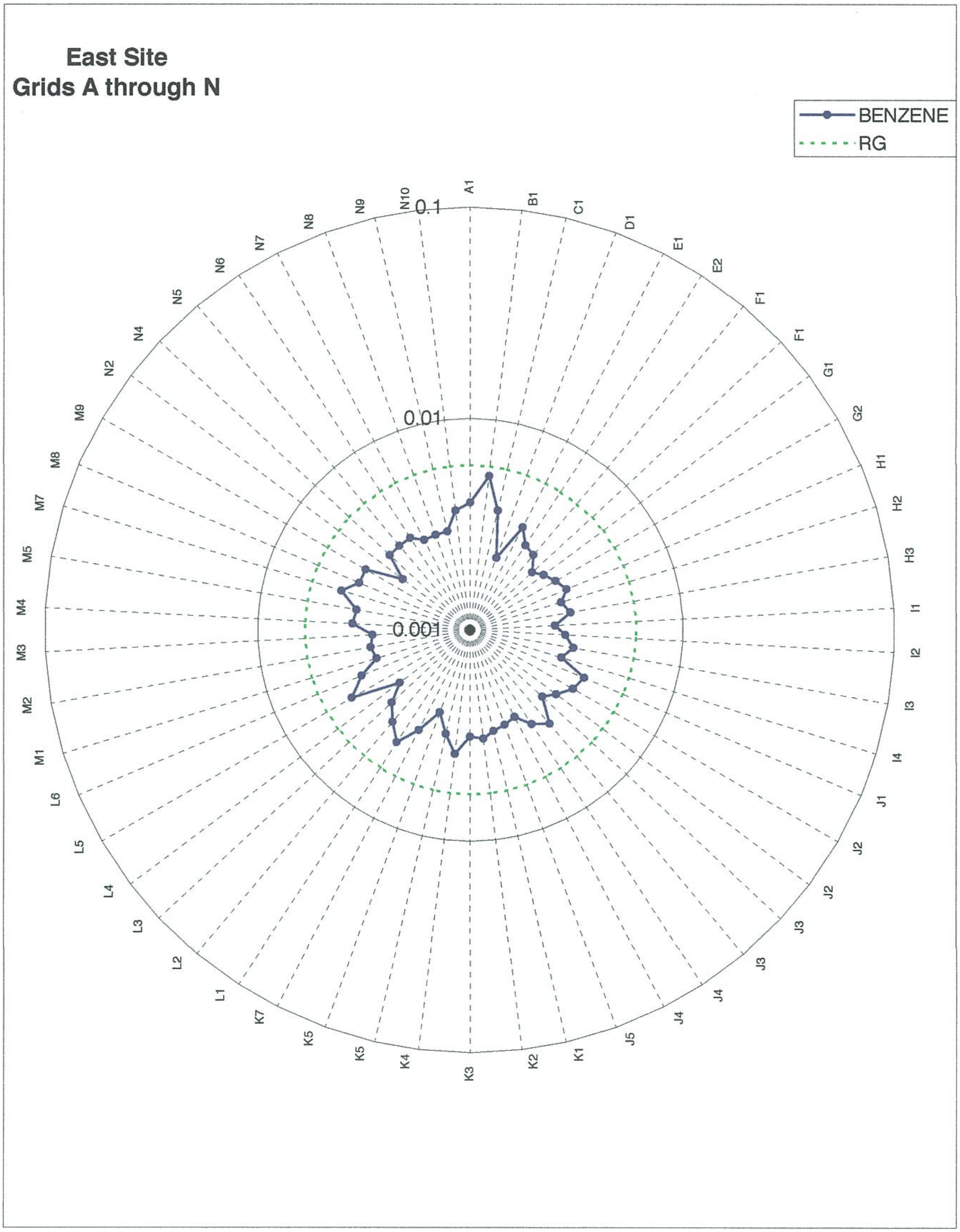


Table Benzene-7: Method 8260B Surrogate (A,A,A-TRIFLUOROTOLUENE) Recoveries				
Sample	Recovery	Date	Batch	Order

For all Surrogate Measurements	
Mean Recovery	117.0
Median	119.0
Mode	122.0
Standard Deviation	7.1
Minimum	102




East Site
Grids A through N
BENZENE
RG
0.1
0.01
0.001
A1
B1
C1
D1
E1
E2
F1
F1
G1
G2
H1
H2
H3
I1
I2
I3
I4
J1
J2
J2
J3
J3
J4
J4
J5
K1
K2
K3
K4
K5
K5
K7
L1
L2
L3
L4
L5
L6
M1
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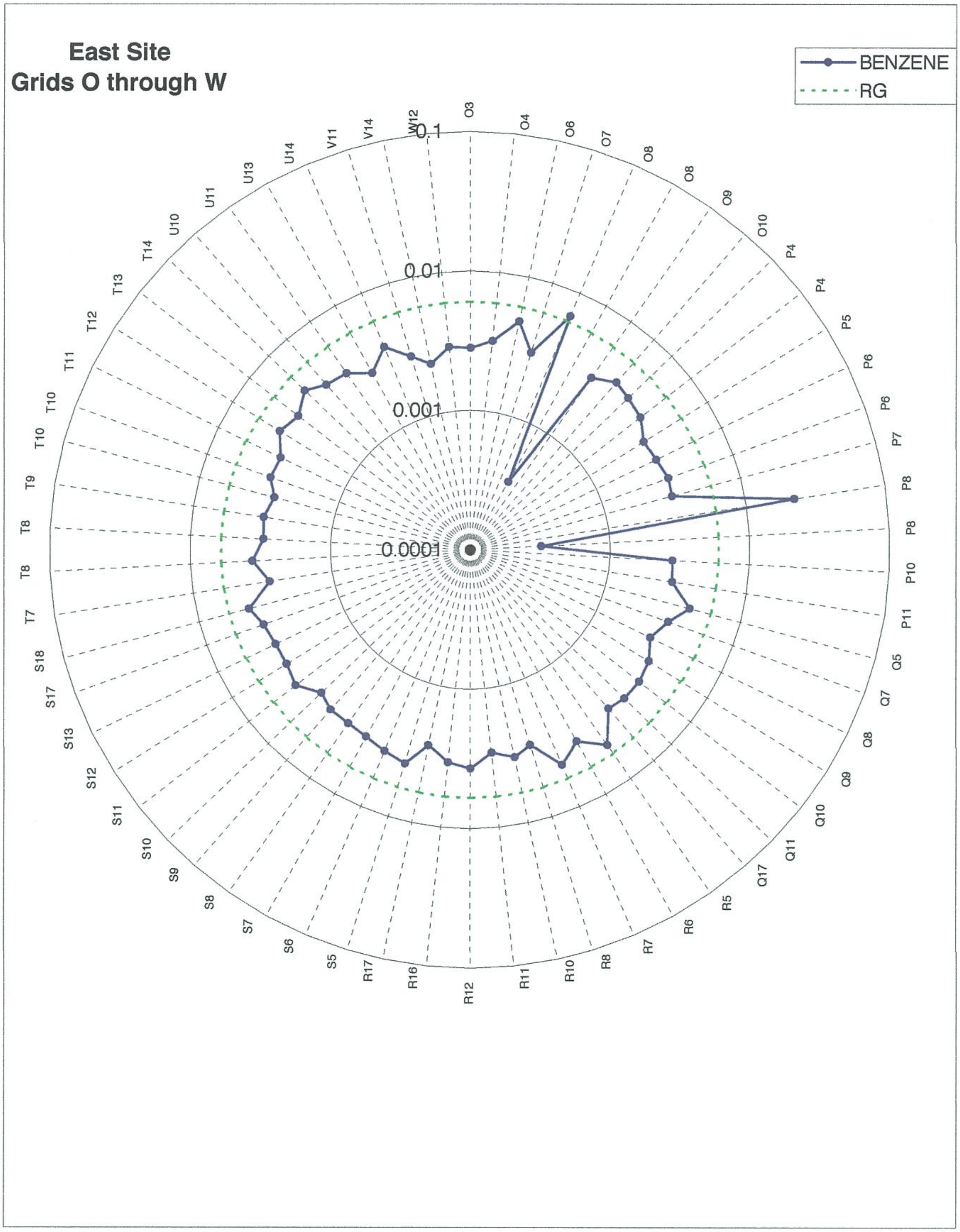
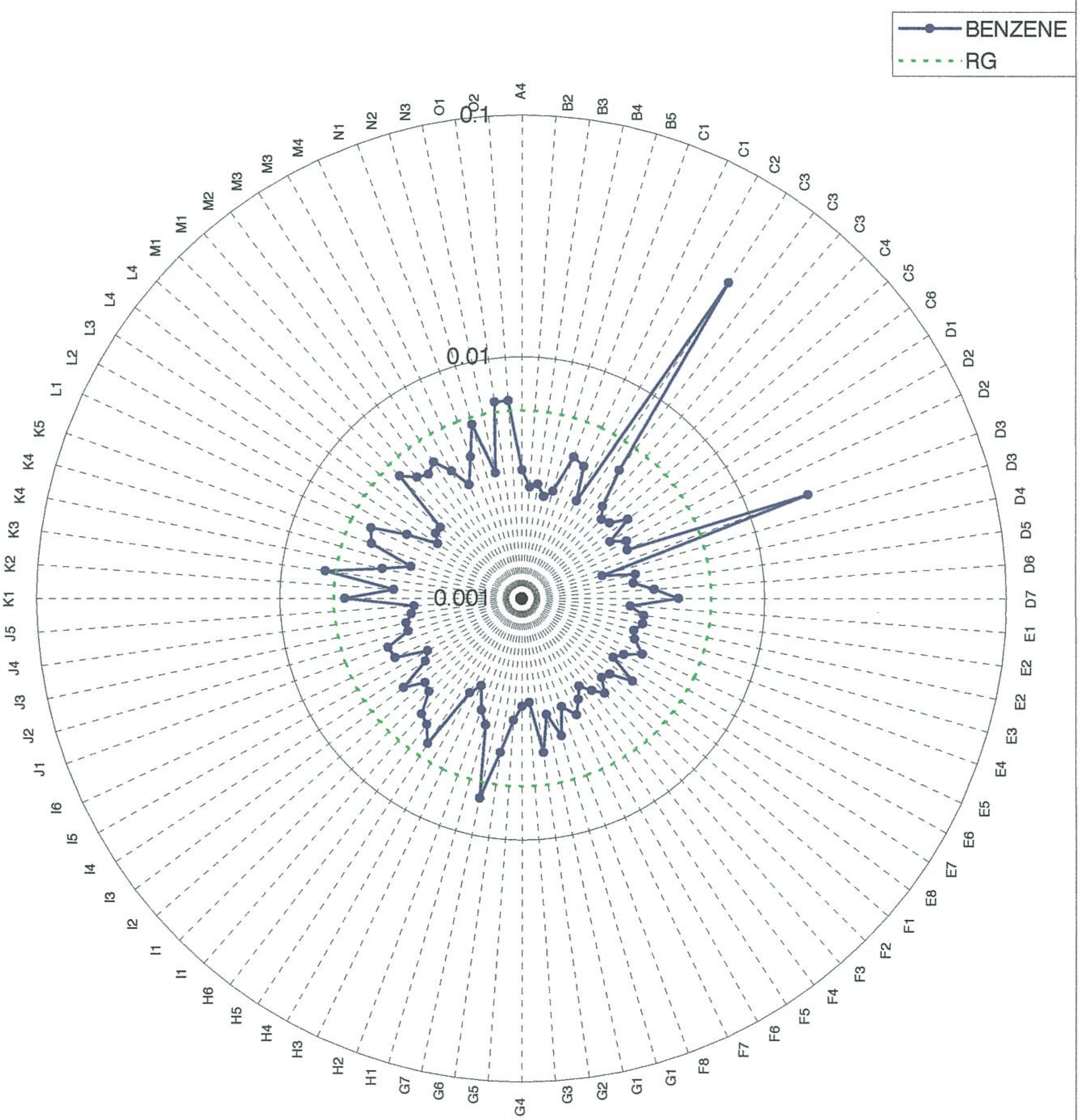
N7
N8
N9
N10


East Site
Grids O through W
BENZENE
RG
0.1
0.01
0.001
0.0001
O3
O4
O6
O7
O8
O8
O9
O10
P4
P4
P5
P6
P6
P7
P8
P8
P10
P11
Q5
Q7
Q8
Q9
Q10
Q11
Q17
R5
R6
R7
R8
R10
R11
R12
R16
R17
S5
S6
S7
S8
S9
S10
S11
S12
S13
S17
S18
T7
T8
T8
T9
T10
T10
T11
T12
T13
T14
U10
U11
U13
U14
V11
V14
W12

West Site


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

Benzene results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	A1	ES-A01-080623	BENZENE	0.0040	07/02/08	50903	N	ES-A01-080623
East	B1	ES-B01-080623	BENZENE	0.0054	07/02/08	50903	N	ES-B01-080623
East	C1	ES-C01-080624	BENZENE	0.0038	07/02/08	50903	N	ES-C01-080624
East	D1	ES-D01-080624	BENZENE	0.0023	07/02/08	50903	N	ES-D01-080624
East	E1	ES-E01-080528	BENZENE	0.0035	06/03/08	50199	N	ES-E01-080528
East	E2	ES-E02-080611	BENZENE	0.0030	06/20/08	50548	N	ES-E02-080611
East	F1	ES-F01-080529	BENZENE	0.0029	06/09/08	50245	N	ES-F01-080529
East	F1	ES-F01-080529	BENZENE	0.0025	06/26/08	50697	N	DUP-17
East	G1	ES-G01-080529	BENZENE	0.0027	06/09/08	50245	N	ES-G01-080529
East	G2	ES-G02-080605	BENZENE	0.0029	06/11/08	50323	N	ES-G02-080605
East	H1	ES-H01-080528	BENZENE	0.0031	06/03/08	50199	N	ES-H01-080528
East	H2	ES-H02-080515	BENZENE	0.0028	05/20/08	49927	N	ES-H02-080515
East	H3	ES-H03-080605	BENZENE	0.0030	06/10/08	50323	N	ES-H03-080605
East	I1	ES-I01-080529	BENZENE	0.0025	06/09/08	50245	N	ES-I01-080529
East	I2	ES-I02-080514	BENZENE	0.0028	05/20/08	49927	N	ES-I02-080514
East	I3	ES-I03-080513	BENZENE	0.0031	05/20/08	49927	N	ES-I03-080513
East	I4	ES-I04-080602	BENZENE	0.0028	06/10/08	50323	N	ES-I04-080602
East	J1	ES-J01-080529	BENZENE	0.0038	06/09/08	50245	N	ES-J01-080529
East	J2	ES-J02-080527	BENZENE	0.0036	06/03/08	50199	N	ES-J02-080527
East	J2	ES-J02-080527	BENZENE	0.0032	06/21/08	50549	N	DUP-15
East	J3	ES-J03-080513	BENZENE	0.0029	05/20/08	49927	N	ES-J03-080513
East	J3	ES-J03-080513	BENZENE	0.0038	06/10/08	50323	N	DUP-11
East	J4	ES-J04-080530	BENZENE	0.0034	06/09/08	50245	N	ES-J04-080530
East	J4	ES-J04-080530	BENZENE	0.0029	06/26/08	50698	N	DUP-18
East	J5	ES-J05-080602	BENZENE	0.0030	06/10/08	50323	N	ES-J05-080602
East	K1	ES-K01-080602	BENZENE	0.0031	06/10/08	50323	N	ES-K01-080602
East	K2	ES-K02-080602	BENZENE	0.0033	06/10/08	50323	N	ES-K02-080602
East	K3	ES-K03-080514	BENZENE	0.0032	05/20/08	49927	N	ES-K03-080514
East	K4	ES-K04-080527	BENZENE	0.0039	06/03/08	50199	N	ES-K04-080527
East	K5	ES-K05-080605	BENZENE	0.0032	06/11/08	50323	N	ES-K05-080605
East	K5	ES-K05-080605	BENZENE	0.0026	07/02/08	50903	N	DUP-19
East	K7	ES-K07-080611	BENZENE	0.0034	06/20/08	50548	N	ES-K07-080611
East	L1	ES-L01-080625	BENZENE	0.0043	07/02/08	50903	N	ES-L01-080625
East	L2	ES-L02-080625	BENZENE	0.0037	07/02/08	50903	N	ES-L02-080625
East	L3	ES-L03-080604	BENZENE	0.0032	06/10/08	50323	N	ES-L03-080604
East	L4	ES-L04-080604	BENZENE	0.0026	06/10/08	50323	N	ES-L04-080604
East	L5	ES-L05-080620	BENZENE	0.0044	06/26/08	50698	N	ES-L05-080620
East	L6	ES-L06-080605	BENZENE	0.0036	06/10/08	50323	N	ES-L06-080605
East	M1	ES-M01-080527	BENZENE	0.0029	06/03/08	50199	N	ES-M01-080527
East	M2	ES-M02-080519	BENZENE	0.0030	05/21/08	49954	N	ES-M02-080519
East	M3	ES-M03-080519	BENZENE	0.0029	05/21/08	49954	N	ES-M03-080519
East	M4	ES-M04-080515	BENZENE	0.0036	05/20/08	49927	N	ES-M04-080515
East	M5	ES-M05-080527	BENZENE	0.0035	06/03/08	50199	N	ES-M05-080527
East	M7	ES-M07-080612	BENZENE	0.0043	06/20/08	50549	N	ES-M07-080612
East	M8	ES-M08-080610	BENZENE	0.0037	06/20/08	50548	N	ES-M08-080610
East	M9	ES-M09-080611	BENZENE	0.0037	06/20/08	50548	N	ES-M09-080611

Benzene results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
East	N2	ES-N02-080528	BENZENE	0.0025	06/03/08	50199	N	ES-N02-080528
East	N4	ES-N04-080519	BENZENE	0.0033	05/21/08	49954	N	ES-N04-080519
East	N5	ES-N05-080519	BENZENE	0.0033	05/21/08	49954	N	ES-N05-080519
East	N6	ES-N06-080527	BENZENE	0.0033	06/03/08	50199	N	ES-N06-080527
East	N7	ES-N07-080530	BENZENE	0.0030	06/09/08	50245	N	ES-N07-080530
East	N8	ES-N08-080610	BENZENE	0.0030	06/20/08	50548	N	ES-N08-080610
East	N9	ES-N09-080610	BENZENE	0.0030	06/20/08	50548	N	ES-N09-080610
East	N10	ES-N10-080610	BENZENE	0.0037	06/20/08	50548	N	ES-N10-080610
East	O3	ES-O03-080528	BENZENE	0.0028	06/03/08	50199	N	ES-O03-080528
East	O4	ES-O04-080515	BENZENE	0.0032	05/20/08	49927	N	ES-O04-080515
East	O6	ES-O06-080529	BENZENE	0.0047	06/09/08	50245	N	ES-O06-080529
East	O7	ES-O07-080530	BENZENE	0.0030	06/09/08	50245	N	ES-O07-080530
East	O8	ES-O08-080530	BENZENE	0.0066	06/09/08	50245	Y	ES-O08-080530
East	O8	ES-O08-081113	BENZENE	0.0004	11/24/08	54434	N	ES-O08-081113
East	O9	ES-O09-080610	BENZENE	0.0032	06/20/08	50548	N	ES-O09-080610
East	O10	ES-O10-080611	BENZENE	0.0039	06/20/08	50548	N	ES-O10-080611
East	P4	ES-P04-080528	BENZENE	0.0037	06/03/08	50199	N	ES-P04-080528
East	P4	ES-P04-080528	BENZENE	0.0035	06/25/08	50697	N	DUP-16
East	P5	ES-P05-080513	BENZENE	0.0029	05/20/08	49927	N	ES-P05-080513
East	P6	ES-P06-080515	BENZENE	0.0030	05/20/08	49927	N	ES-P06-080515
East	P6	ES-P06-080515	BENZENE	0.0032	06/19/08	50547	N	DUP-12
East	P7	ES-P07-080519	BENZENE	0.0031	05/21/08	49954	N	ES-P07-080519
East	P8	ES-P08-080530	BENZENE	0.0220	06/09/08	50245	Y	ES-P08-080530
East	P8	ES-P08-081113	BENZENE	0.0003	11/24/08	54434	N	ES-P08-081113
East	P10	ES-P10-080606	BENZENE	0.0028	06/19/08	50547	N	ES-P10-080606
East	P11	ES-P11-080606	BENZENE	0.0029	06/19/08	50547	N	ES-P11-080606
East	Q5	ES-Q05-080520	BENZENE	0.0042	06/02/08	50126	N	ES-Q05-080520
East	Q7	ES-Q07-080519	BENZENE	0.0032	05/21/08	49954	N	ES-Q07-080519
East	Q8	ES-Q08-080519	BENZENE	0.0027	05/21/08	49954	N	ES-Q08-080519
East	Q9	ES-Q09-080612	BENZENE	0.0032	06/20/08	50549	N	ES-Q09-080612
East	Q10	ES-Q10-080606	BENZENE	0.0034	06/19/08	50547	N	ES-Q10-080606
East	Q11	ES-Q11-080606	BENZENE	0.0034	06/19/08	50547	N	ES-Q11-080606
East	Q17	ES-Q17-080609	BENZENE	0.0032	06/19/08	50547	N	ES-Q17-080609
East	R5	ES-R05-080521	BENZENE	0.0051	06/02/08	50126	N	ES-R05-080521
East	R6	ES-R06-080521	BENZENE	0.0037	06/02/08	50126	N	ES-R06-080521
East	R7	ES-R07-080521	BENZENE	0.0047	06/02/08	50126	N	ES-R07-080521
East	R8	ES-R08-080519	BENZENE	0.0029	05/21/08	49954	N	ES-R08-080519
East	R10	ES-R10-080602	BENZENE	0.0033	06/10/08	50323	N	ES-R10-080602
East	R11	ES-R11-080605	BENZENE	0.0029	06/11/08	50323	N	ES-R11-080605
East	R12	ES-R12-080611	BENZENE	0.0037	06/20/08	50548	N	ES-R12-080611
East	R16	ES-R16-080605	BENZENE	0.0034	06/10/08	50323	N	ES-R16-080605
East	R17	ES-R17-080606	BENZENE	0.0027	06/19/08	50547	N	ES-R17-080606
East	S5	ES-S05-080521	BENZENE	0.0040	06/02/08	50126	N	ES-S05-080521
East	S6	ES-S06-080521	BENZENE	0.0037	06/02/08	50126	N	ES-S06-080521
East	S7	ES-S07-080521	BENZENE	0.0034	06/02/08	50126	N	ES-S07-080521
East	S8	ES-S08-080522	BENZENE	0.0033	06/02/08	50126	N	ES-S08-080522

Benzene results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_ date	batch_id	detect _flag	sample_name
East	S9	ES-S09-080522	BENZENE	0.0033	06/02/08	50126	N	ES-S09-080522
East	S10	ES-S10-080523	BENZENE	0.0030	06/02/08	50126	N	ES-S10-080523
East	S11	ES-S11-080528	BENZENE	0.0038	06/03/08	50199	N	ES-S11-080528
East	S12	ES-S12-080609	BENZENE	0.0035	06/19/08	50547	N	ES-S12-080609
East	S13	ES-S13-080610	BENZENE	0.0035	06/20/08	50548	N	ES-S13-080610
East	S17	ES-S17-080606	BENZENE	0.0037	06/19/08	50547	N	ES-S17-080606
East	S18	ES-S18-080606	BENZENE	0.0043	06/19/08	50547	N	ES-S18-080606
East	T7	ES-T07-080612	BENZENE	0.0028	06/21/08	50549	N	ES-T07-080612
East	T8	ES-T08-080522	BENZENE	0.0036	06/02/08	50126	N	ES-T08-080522
East	T8	ES-T08-080522	BENZENE	0.0030	06/20/08	50548	N	DUP-13
East	T9	ES-T09-080522	BENZENE	0.0031	06/02/08	50126	N	ES-T09-080522
East	T10	ES-T10-080523	BENZENE	0.0028	06/02/08	50126	N	ES-T10-080523
East	T10	ES-T10-080523	BENZENE	0.0033	06/20/08	50548	N	DUP-14
East	T11	ES-T11-080530	BENZENE	0.0032	06/09/08	50245	N	ES-T11-080530
East	T12	ES-T12-080609	BENZENE	0.0040	06/19/08	50547	N	ES-T12-080609
East	T13	ES-T13-080609	BENZENE	0.0036	06/19/08	50547	N	ES-T13-080609
East	T14	ES-T14-080610	BENZENE	0.0044	06/20/08	50548	N	ES-T14-080610
East	U10	ES-U10-080523	BENZENE	0.0037	06/02/08	50126	N	ES-U10-080523
East	U11	ES-U11-080602	BENZENE	0.0035	06/10/08	50323	N	ES-U11-080602
East	U13	ES-U13-080610	BENZENE	0.0028	06/20/08	50548	N	ES-U13-080610
East	U14	ES-U14-080610	BENZENE	0.0038	06/20/08	50548	N	ES-U14-080610
East	V11	ES-V11-080529	BENZENE	0.0028	06/09/08	50245	N	ES-V11-080529
East	V14	ES-V14-080605	BENZENE	0.0023	06/10/08	50323	N	ES-V14-080605
East	W12	ES-W12-080527	BENZENE	0.0029	06/03/08	50199	N	ES-W12-080527
West	A4	WS-A04-080626	BENZENE	0.0034	07/02/08	50903	N	WS-A04-080626
West	B2	WS-B02-080502	BENZENE	0.0029	05/07/08	49691	N	WS-B02-080502
West	B3	WS-B03-080502	BENZENE	0.0030	05/07/08	49691	N	WS-B03-080502
West	B4	WS-B04-080626	BENZENE	0.0027	07/02/08	50903	N	WS-B04-080626
West	B5	WS-B05-080626	BENZENE	0.0029	07/02/08	50903	N	WS-B05-080626
West	C1	WS-C01-080501	BENZENE	0.0042	05/07/08	49691	N	WS-C01-080501
West	C1	WS-C01-080501	BENZENE	0.0040	05/17/08	49812	N	DUP-3
West	C2	WS-C02-080428	BENZENE	0.0029	05/07/08	49691	N	WS-C02-080428
West	C3	WS-C03-080620	BENZENE	0.0360	06/27/08	50698	Y	WS-C03-080620
West	C3	WS-C03-081111	BENZENE	0.0046	11/24/08	54434	Y	DUP 20A
West	C3	WS-C03-081111	BENZENE	0.0032	11/24/08	54434	Y	WS-C03-081111
West	C4	WS-C04-080623	BENZENE	0.0029	07/02/08	50903	N	WS-C04-080623
West	C5	WS-C05-080620	BENZENE	0.0030	06/27/08	50698	N	WS-C05-080620
West	C6	WS-C06-080624	BENZENE	0.0035	07/02/08	50903	N	WS-C06-080624
West	D1	WS-D01-080430	BENZENE	0.0027	05/07/08	49691	N	WS-D01-080430
West	D2	WS-D02-080429	BENZENE	0.0031	05/07/08	49691	N	WS-D02-080429
West	D2	WS-D02-080429	BENZENE	0.0030	05/17/08	49812	N	DUP-2
West	D3	WS-D03-080620	BENZENE	0.0180	06/27/08	50698	Y	WS-D03-080620
West	D3	WS-D03-081111	BENZENE	0.0022	11/24/08	54434	Y	WS-D03-081111
West	D4	WS-D04-080623	BENZENE	0.0030	07/02/08	50903	N	WS-D04-080623
West	D5	WS-D05-080620	BENZENE	0.0029	06/26/08	50698	N	WS-D05-080620
West	D6	WS-D06-080619	BENZENE	0.0035	06/26/08	50698	N	WS-D06-080619

Benzene results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_date	batch_id	detect_flag	sample_name
West	D7	WS-D07-080619	BENZENE	0.0044	06/26/08	50698	N	WS-D07-080619
West	E1	WS-E01-080430	BENZENE	0.0028	05/07/08	49691	N	WS-E01-080430
West	E2	WS-E02-080428	BENZENE	0.0032	05/07/08	49691	N	WS-E02-080428
West	E2	WS-E02-080428	BENZENE	0.0032	05/17/08	49812	N	DUP-1
West	E3	WS-E03-080619	BENZENE	0.0030	06/26/08	50698	N	WS-E03-080619
West	E4	WS-E04-080613	BENZENE	0.0031	06/21/08	50549	N	WS-E04-080613
West	E5	WS-E05-080613	BENZENE	0.0035	06/21/08	50549	N	WS-E05-080613
West	E6	WS-E06-080613	BENZENE	0.0030	06/21/08	50549	N	WS-E06-080613
West	E7	WS-E07-080613	BENZENE	0.0028	06/21/08	50549	N	WS-E07-080613
West	E8	WS-E08-080616	BENZENE	0.0037	06/25/08	50696	N	WS-E08-080616
West	F1	WS-F01-080429	BENZENE	0.0030	05/07/08	49691	N	WS-F01-080429
West	F2	WS-F02-080429	BENZENE	0.0029	05/07/08	49691	N	WS-F02-080429
West	F3	WS-F03-080619	BENZENE	0.0033	06/26/08	50698	N	WS-F03-080619
West	F4	WS-F04-080616	BENZENE	0.0030	06/25/08	50696	N	WS-F04-080616
West	F5	WS-F05-080612	BENZENE	0.0027	06/21/08	50549	N	WS-F05-080612
West	F6	WS-F06-080612	BENZENE	0.0030	06/21/08	50549	N	WS-F06-080612
West	F7	WS-F07-080617	BENZENE	0.0034	06/26/08	50697	N	WS-F07-080617
West	F8	WS-F08-080618	BENZENE	0.0030	06/26/08	50697	N	WS-F08-080618
West	G1	WS-G01-080501	BENZENE	0.0039	05/07/08	49691	N	WS-G01-080501
West	G1	WS-G01-080501	BENZENE	0.0031	05/20/08	49927	N	DUP-4
West	G2	WS-G02-080618	BENZENE	0.0044	06/26/08	50697	N	WS-G02-080618
West	G3	WS-G03-080619	BENZENE	0.0027	06/26/08	50698	N	WS-G03-080619
West	G4	WS-G04-080616	BENZENE	0.0028	06/25/08	50696	N	WS-G04-080616
West	G5	WS-G05-080613	BENZENE	0.0032	06/21/08	50549	N	WS-G05-080613
West	G6	WS-G06-080616	BENZENE	0.0044	06/25/08	50696	N	WS-G06-080616
West	G7	WS-G07-080617	BENZENE	0.0070	06/25/08	50697	N	WS-G07-080617
West	H1	WS-H01-080501	BENZENE	0.0035	05/07/08	49691	N	WS-H01-080501
West	H2	WS-H02-080618	BENZENE	0.0031	06/26/08	50697	N	WS-H02-080618
West	H3	WS-H03-080619	BENZENE	0.0025	06/26/08	50698	N	WS-H03-080619
West	H4	WS-H04-080616	BENZENE	0.0028	06/25/08	50696	N	WS-H04-080616
West	H5	WS-H05-080613	BENZENE	0.0052	06/21/08	50549	N	WS-H05-080613
West	H6	WS-H06-080617	BENZENE	0.0045	06/25/08	50697	N	WS-H06-080617
West	I1	WS-I01-080501	BENZENE	0.0043	05/07/08	49691	N	WS-I01-080501
West	I1	WS-I01-080501	BENZENE	0.0035	05/21/08	49954	N	DUP-5
West	I2	WS-I02-080618	BENZENE	0.0034	06/26/08	50697	N	WS-I02-080618
West	I3	WS-I03-080618	BENZENE	0.0041	06/26/08	50697	N	WS-I03-080618
West	I4	WS-I04-080617	BENZENE	0.0030	06/25/08	50697	N	WS-I04-080617
West	I5	WS-I05-080617	BENZENE	0.0028	06/26/08	50697	N	WS-I05-080617
West	I6	WS-I06-080617	BENZENE	0.0038	06/25/08	50697	N	WS-I06-080617
West	J1	WS-J01-080505	BENZENE	0.0039	05/08/08	49691	N	WS-J01-080505
West	J2	WS-J02-080624	BENZENE	0.0031	07/02/08	50903	N	WS-J02-080624
West	J3	WS-J03-080620	BENZENE	0.0031	06/27/08	50698	N	WS-J03-080620
West	J4	WS-J04-080617	BENZENE	0.0029	06/25/08	50697	N	WS-J04-080617
West	J5	WS-J05-080618	BENZENE	0.0028	06/26/08	50697	N	WS-J05-080618
West	K1	WS-K01-080505	BENZENE	0.0054	05/08/08	49691	N	WS-K01-080505
West	K2	WS-K02-080509	BENZENE	0.0034	05/17/08	49812	N	WS-K02-080509

Benzene results from the 09/11/09 database								
Site	grid	sample_location	chemical_name	result_value	analysis_ date	batch_id	detect _flag	sample_name
West	K3	WS-K03-080509	BENZENE	0.0066	05/17/08	49812	N	WS-K03-080509
West	K4	WS-K04-080513	BENZENE	0.0039	05/20/08	49927	N	WS-K04-080513
West	K4	WS-K04-080513	BENZENE	0.0030	06/10/08	50323	N	DUP-10
West	K5	WS-K05-080509	BENZENE	0.0046	05/17/08	49812	N	WS-K05-080509
West	L1	WS-L01-080505	BENZENE	0.0049	05/08/08	49691	N	WS-L01-080505
West	L2	WS-L02-080508	BENZENE	0.0035	05/17/08	49812	N	WS-L02-080508
West	L3	WS-L03-080508	BENZENE	0.0026	05/17/08	49812	N	WS-L03-080508
West	L4	WS-L04-080508	BENZENE	0.0028	05/17/08	49812	N	WS-L04-080508
West	L4	WS-L04-080508	BENZENE	0.0028	06/09/08	50245	N	DUP-9
West	M1	WS-M01-080505	BENZENE	0.0052	05/08/08	49691	N	WS-M01-080505
West	M1	WS-M01-080505	BENZENE	0.0046	06/02/08	50126	N	DUP-7
West	M2	WS-M02-080507	BENZENE	0.0044	05/16/08	49812	N	WS-M02-080507
West	M3	WS-M03-080507	BENZENE	0.0047	05/16/08	49812	N	WS-M03-080507
West	M3	WS-M03-080507	BENZENE	0.0040	06/03/08	50199	N	DUP-8
West	M4	WS-M04-080507	BENZENE	0.0033	05/16/08	49812	N	WS-M04-080507
West	N1	WS-N01-080506	BENZENE	0.0042	05/16/08	49812	N	WS-N01-080506
West	N2	WS-N02-080506	BENZENE	0.0056	05/16/08	49812	N	WS-N02-080506
West	N3	WS-N03-080507	BENZENE	0.0034	05/16/08	49812	N	WS-N03-080507
West	O1	WS-O01-080506	BENZENE	0.0066	05/16/08	49812	N	WS-O01-080506
West	O2	WS-O02-080506	BENZENE	0.0066	05/16/08	49812	N	WS-O02-080506

Appendix B

Comparisons to Remediation Goals

East Site

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-A01-080623	ES-B01-080623	ES-B01-090611	ES-C01-080624	ES-C01-080624	ES-D01-080624	ES-D01-090608	ES-E01-080528
ALUMINUM	21000	24000		17900		18100		12700		
ANTIMONY	1.9	2.2		0.3		0.26		0.31		
ARSENIC	13	30		12.1		11.4		12.6		
BARIUM	210	220		97.8		80.4		91		
BERYLLIUM	2.1			0.77		0.62		0.82		
BORON	31	35		5.3		3.7		5.5		
CADMIUM	0.57	1.3		0.13		0.063		*0.02*		
CHROMIUM	31	35		22.4		21.5		16.5		
COBALT	21	30		11.6		9		12.7		
COPPER	34			22.1		17.4		19.4		
LEAD	100			24.1		17.9		16.2		
MANGANESE	3650			877		503		476		
MOLYBDENUM	14	16		4.6		4.1		4.2		
NICKEL	190			23.3		20.1		32.6		
SELENIUM	1.9	14		0.58		0.22		0.29		
SILVER	17			*0.17*		*0.14*		*0.19*		
VANADIUM	37	44		28.4		28.6		18.3		
ZINC	140			66.1		60.2		58.5		
MERCURY	1.7	2.4			0.035				0.022	
AROCLOR 1232	0.075		*0.014*	*0.014*		*0.014*	*0.014*	*0.014*		*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*		*0.01*	*0.01*	*0.01*		*0.01*
AROCLOR 1248	0.075		*0.0093*	*0.0092*		*0.0092*	*0.0091*	*0.0092*		*0.0092*
AROCLOR 1254	0.075		**0.2**	0.071		**0.087**	**0.18**	0.021		**0.27**
AROCLOR 1260	0.075		**0.14**	*0.0062*		0.065	***0.19***	*0.0061*		*0.0061*
4,4'-DDE	0.16		0.0046	*0.0003*		0.0019		*0.0003*		*0.0003*
ALDRIN	0.01		0.00093	0.00062		*0.0005*		*0.0005*		*0.0005*
ALPHA-BHC	0.003		*0.0006*	*0.0006*		*0.0006*		*0.0006*		*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*		*0.0003*		*0.0003*		*0.0003*
HEPTACHLOR EPOXIDE	0.011		0.00093	*0.0005*		0.0026		*0.0005*		0.001
BENZO(A)ANTHRACENE	0.55		0.048	0.2		*0.0041*		*0.0041*		0.022
BENZO(A)PYRENE	0.55		*0.0069*	0.23		*0.0068*		*0.0068*		*0.0068*
BENZO(B)FLUORANTHENE	0.55		*0.0096*	0.37		*0.0095*		*0.0095*		0.027
BENZO(K)FLUORANTHENE	0.55		*0.0082*	0.1		*0.0082*		*0.0082*		*0.0081*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.26	0.12		0.089		0.13		0.15
CHRYSENE	0.55		0.073	0.23		*0.0041*		*0.0041*		0.019
DIBENZ(A,H)ANTHRACENE	0.55		*0.0069*	*0.0068*		*0.0068*		*0.0068*		*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		*0.0069*	0.11		*0.0068*		*0.0068*		*0.0068*
BENZENE	0.0060		*0.004*	*0.0054*		*0.0038*		*0.0023*		*0.0035*
2,3,7.8-TCDD ($x10^{6}$)	3		2.7	2.7		2.7		2.7		

Highlight indicates grid did not achieve at least 1 RG.
Bold indicates an RG failure or missing data
Italics indicates non-detect and the value represents the detection limt
Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-E02-080611	ES-F01-080529	ES-F01-090608	ES-G01-080529	ES-G01-090608	ES-G02-080605	ES-G02-090610
ALUMINUM	21000	24000		14800		12000		14200	
ANTIMONY	1.9	2.2		0.25		0.28		0.24	
ARSENIC	13	30		9.4		**13.4**		9.6	
BARIUM	210	220		80.1		61.3		67.2	
BERYLLIUM	2.1			0.71		0.56		0.65	
BORON	31	35		4.7		4.4		3.6	
CADMIUM	0.57	1.3		0.22		0.23		0.28	
CHROMIUM	31	35		17.7		14.7		17.4	
COBALT	21	30		10.9		8.8		9.9	
COPPER	34			18		19.2		21.1	
LEAD	100			18.9		16.3		28.7	
MANGANESE	3650			774		452		444	
MOLYBDENUM	14	16		3.8		3.6		3.5	
NICKEL	190			20.7		18.5		24	
SELENIUM	1.9	14		0.66		0.24		0.47	
SILVER	17			0.96		0.98		0.94	
VANADIUM	37	44		26.5		20.8		24.7	
ZINC	140			63.5		56.5		66	
MERCURY	1.7	2.4			0.022		0.022		0.025
AROCLOR 1232	0.075		*0.014*	*0.014*		*0.014*		*0.014*	
AROCLOR 1242	0.075		*0.01*	*0.01*		*0.01*		*0.01*	
AROCLOR 1248	0.075		*0.0092*	*0.0092*		*0.0092*		*0.0092*	
AROCLOR 1254	0.075		**0.15**	*0.0031*		*0.0031*		0.0082	
AROCLOR 1260	0.075		*0.0061*	*0.0061*		*0.0061*		*0.0061*	
4,4'-DDE	0.16		*0.0003*	*0.0003*		*0.0003*		*0.0003*	
ALDRIN	0.01		*0.0005*	*0.0005*		*0.0005*		*0.0005*	
ALPHA-BHC	0.003		*0.0006*	*0.0006*		*0.0006*		*0.0006*	
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*		*0.0003*		*0.0003*	
HEPTACHLOR EPOXIDE	0.011		0.00051	*0.0005*		*0.0005*		*0.0005*	
BENZO(A)ANTHRACENE	0.55		0.048	*0.0041*		*0.0041*		*0.0041*	
BENZO(A)PYRENE	0.55		0.041	*0.0068*		*0.0068*		*0.0068*	
BENZO(B)FLUORANTHENE	0.55		0.08	0.023		0.023		0.019	
BENZO(K)FLUORANTHENE	0.55		*0.0081*	*0.0081*		*0.0082*		0.015	
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.11	0.12		0.11		0.095	
CHRYSENE	0.55		0.06	*0.0041*		*0.0041*		*0.0041*	
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	*0.0068*		*0.0068*		*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55		0.023	*0.0068*		*0.0068*		*0.0068*	
BENZENE	0.0060		*0.003*	*0.0029*		*0.0027*		*0.0029*	
2,3,7.8-TCDD $(x10^6)$	3								

Highlight indicates grid did not achieve at least 1 RG.
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Italics indicates non-detect and the value represents the detection limt
Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-H01-080528	ES-H02-080515	ES-H02-090605	ES-H03-080605	ES-H03-090610	ES-I01-080529	ES-I01-081114	ES-I02-080514
ALUMINUM	21000	24000	15900	15900		14600		13000		13400
ANTIMONY	1.9	2.2	0.33	0.25		0.092		0.31		0.31
ARSENIC	13	30	10.2	12.6		11.9		10.2		12.8
BARIUM	210	220	67.6	70.2		66.6		81.9		84.6
BERYLLIUM	2.1		0.73	0.85		0.59		0.69		0.74
BORON	31	35	3.7	3.6		6.6		5.5		6.2
CADMIUM	0.57	1.3	0.38	0.31		0.017		0.12		*0.014*
CHROMIUM	31	35	19	19.3		19.7		18.2		18.7
COBALT	21	30	10.6	15		8.4		12.4		13.7
COPPER	34		**46.9**	32.5		27.7		**50.9**		28.3
LEAD	100		33.7	19.3		23.1		22.9		15
MANGANESE	3650		601	378		271		387		325
MOLYBDENUM	14	16	4.1	4.1		3.8		4.3		4.3
NICKEL	190		24.8	30.6		26.4		31.1		35
SELENIUM	1.9	14	0.096	0.25		0.36		0.17		*0.13*
SILVER	17		1	1.1		*0.12*		*0.12*		*0.13*
VANADIUM	37	44	27.3	26.4		23.2		20.9		20.3
ZINC	140		84.6	70.5		68.2		92		74
MERCURY	1.7	2.4			0.026		0.028			
AROCLOR 1232	0.075		*0.014*	*0.014*		*0.014*		*0.014*	*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*		*0.01*		*0.01*	*0.01*	*0.01*
AROCLOR 1248	0.075		*0.0092*	*0.0092*		*0.0092*		*0.0092*	*0.0092*	*0.0092*
AROCLOR 1254	0.075		0.027	0.065		*0.0031*		**0.079**	0.035	*0.0031*
AROCLOR 1260	0.075		*0.0062*	*0.0062*		*0.0062*		*0.0061*	*0.0061*	*0.0062*
4,4'-DDE	0.16		*0.0003*	*0.0003*		*0.0003*		*0.0003*		*0.0003*
ALDRIN	0.01		*0.0005*	*0.0005*		*0.0005*		*0.0005*		*0.0005*
ALPHA-BHC	0.003		*0.0006*	*0.0006*		*0.0006*		*0.0006*		*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*		*0.0003*		*0.0003*		*0.0003*
HEPTACHLOR EPOXIDE	0.011		0.0041	*0.0005*		*0.0005*		*0.0005*		*0.0005*
BENZO(A)ANTHRACENE	0.55		0.015	0.035		0.031		*0.0041*		*0.0041*
BENZO(A)PYRENE	0.55		0.016	0.026		0.029		0.02		*0.0068*
BENZO(B)FLUORANTHENE	0.55		0.029	0.049		0.045		0.033		*0.0096*
BENZO(K)FLUORANTHENE	0.55		*0.0082*	*0.0082*		*0.0082*		*0.0082*		*0.0082*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.097	0.14		0.13		0.2		0.27
CHRYSENE	0.55		0.016	0.03		0.027		*0.0041*		*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	*0.0068*		*0.0068*		*0.0068*		*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*	*0.0068*		*0.0068*		*0.0068*		*0.0068*
BENZENE	0.0060		*0.0031*	*0.0028*		*0.003*		*0.0025*		*0.0028*
2,3,7.8-TCDD ($x10^6$)	3									

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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-I02-090612	ES-I02-080514	ES-I03-080513	ES-I03-090610	ES-I04-080602	ES-J01-080529	ES-J01-090609	ES-J02-080527
ALUMINUM	21000	24000			13600		13600	15600		12700
ANTIMONY	1.9	2.2			0.25		0.31	0.26		0.26
ARSENIC	13	30			8.4		7.7	11.2		11.8
BARIUM	210	220			62		72.6	99.4		105
BERYLLIUM	2.1				0.42		0.47	0.89		0.76
BORON	31	35			4.3		4.3	12.3		21.1
CADMIUM	0.57	1.3			*0.012*		0.055	*0.012*		0.14
CHROMIUM	31	35			17.8		17.1	19.9		18.6
COBALT	21	30			7.6		8.9	15		13.6
COPPER	34				29.4		24.1	31.3		**38.3**
LEAD	100				19		21	16.4		17.3
MANGANESE	3650				307		457	339		491
MOLYBDENUM	14	16			3.2		3.2	4.1		3.6
NICKEL	190				19.7		19.3	31.7		42.2
SELENIUM	1.9	14			0.3		0.39	0.24		*0.094*
SILVER	17				*0.11*		*0.13*	*0.11*		*0.093*
VANADIUM	37	44			21.5		21.3	22.6		20.9
ZINC	140				66.1		**153**	77.3		86.7
MERCURY	1.7	2.4	0.025			0.026			0.029	
AROCLOR 1232	0.075			*0.014*	*0.014*		*0.014*	*0.014*		*0.014*
AROCLOR 1242	0.075			*0.01*	*0.01*		*0.01*	*0.01*		*0.01*
AROCLOR 1248	0.075			*0.0092*	*0.0092*		*0.0092*	*0.0093*		*0.0092*
AROCLOR 1254	0.075			*0.0031*	0.025		0.018	*0.0031*		*0.0031*
AROCLOR 1260	0.075			*0.0062*	*0.0061*		*0.0061*	*0.0062*		*0.0061*
4,4'-DDE	0.16				*0.0003*		*0.0003*	0.001		*0.0003*
ALDRIN	0.01				*0.0005*		*0.0005*	*0.0005*		*0.0005*
ALPHA-BHC	0.003				*0.0006*		*0.0006*	*0.0006*		*0.0006*
GAMMA-CHLORDANE	0.083				*0.0003*		*0.0003*	*0.0003*		*0.0003*
HEPTACHLOR EPOXIDE	0.011				*0.0005*		*0.0005*	*0.0005*		*0.0005*
BENZO(A)ANTHRACENE	0.55				*0.0041*		*0.0041*	0.032		*0.0041*
BENZO(A)PYRENE	0.55				*0.0068*		*0.0068*	0.027		*0.0068*
BENZO(B)FLUORANTHENE	0.55				*0.0095*		0.029	0.041		*0.0095*
BENZO(K)FLUORANTHENE	0.55				*0.0081*		*0.0082*	0.018		*0.0082*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55				0.19		0.14	0.14		0.12
CHRYSENE	0.55				*0.0041*		*0.0041*	0.052		*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55				*0.0068*		*0.0068*	*0.0068*		*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55				*0.0068*		*0.0068*	*0.0068*		*0.0068*
BENZENE	0.0060				*0.0031*		*0.0028*	*0.0038*		*0.0036*
2,3,7.8-TCDD ($x10^6$)	3									

Highlight indicates grid did not achieve at least 1 RG.

Bold indicates an RG failure or missing data

Italics indicates non-detect and the value represents the detection limt

Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-J02-090609	ES-J03-080513	ES-J03-081111	ES-J03-090323	ES-J04-080530	ES-J05-080602	ES-J05-081113
ALUMINUM	21000	24000		13800			14300	13600	
ANTIMONY	1.9	2.2		0.41			0.4	0.83	
ARSENIC	13	30		7.2			11	10.5	
BARIUM	210	220		58.6			64.1	77.4	
BERYLLIUM	2.1			0.59			0.51	0.99	
BORON	31	35		7.7			13.8	20.8	
CADMIUM	0.57	1.3		0.24			*0.013*	0.24	
CHROMIUM	31	35		17.5			18.5	17.9	
COBALT	21	30		8.4			9.2	9.2	
COPPER	34			**47.2**			**66.7**	**1030**	
LEAD	100			26.5			25.8	**284**	
MANGANESE	3650			287			293	426	
MOLYBDENUM	14	16		4			3.3	3.8	
NICKEL	190			21.1			24.3	29.1	
SELENIUM	1.9	14		0.5			0.27	0.31	
SILVER	17			*0.11*			*0.12*	*0.13*	
VANADIUM	37	44		19.8			21.8	22	
ZINC	140			110			110	**942**	
MERCURY	1.7	2.4	0.029						
AROCLOR 1232	0.075			*0.014*	*0.014*		*0.014*	*0.014*	*0.014*
AROCLOR 1242	0.075			*0.01*	*0.01*		*0.01*	*0.01*	*0.01*
AROCLOR 1248	0.075			*0.0091*	*0.0092*		*0.0093*	*0.0092*	*0.0091*
AROCLOR 1254	0.075			**0.088**	0.065		0.0062	**0.1**	0.025
AROCLOR 1260	0.075			*0.0061*	*0.0061*		*0.0062*	*0.0062*	*0.0061*
4,4'-DDE	0.16			*0.0003*			0.0031	*0.0003*	
ALDRIN	0.01			*0.0005*			*0.0005*	*0.0005*	
ALPHA-BHC	0.003			*0.0006*			*0.0006*	*0.0006*	
GAMMA-CHLORDANE	0.083			*0.0003*			0.0021	*0.0003*	
HEPTACHLOR EPOXIDE	0.011			0.001			*0.0005*	*0.0005*	
BENZO(A)ANTHRACENE	0.55			0.03		0.032	*0.0041*	*0.0041*	
BENZO(A)PYRENE	0.55			*0.0068*		*0.0068*	*0.0068*	0.019	
BENZO(B)FLUORANTHENE	0.55			0.046		0.037	*0.0096*	0.042	
BENZO(K)FLUORANTHENE	0.55			*0.0081*		0.012	*0.0082*	*0.0082*	
BIS(2-ETHYLHEXYL) PHTHALATE	0.55			**0.69**		0.086	0.1	0.16	
CHRYSENE	0.55			0.035		0.02	*0.0041*	*0.0041*	
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*		*0.0068*	*0.0068*	*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55			*0.0068*		0.024	*0.0068*	*0.0068*	
BENZENE	0.0060			*0.0029*			*0.0034*	*0.003*	
2,3,7.8-TCDD (x10^{6})	3								

Highlight indicates grid did not achieve at least 1 RG.

Bold indicates an RG failure or missing data

Italics indicates non-detect and the value represents the detection limt

Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-K01-080602	ES-K01-090611	ES-K02-080602	ES-K03-080514	ES-K04-080527	ES-K04-090609	ES-K05-080605	ES-K05-090609
ALUMINUM	21000	24000	13300		16200	13200	13900		12900	
ANTIMONY	1.9	2.2	0.24		0.26	0.31	0.2		0.22	
ARSENIC	13	30	10.9		12.5	10.1	**13.3**		10.5	
BARIUM	210	220	65		78.6	74.6	111		63.1	
BERYLLIUM	2.1		0.5		0.74	0.49	0.87		0.52	
BORON	31	35	6.5		6.6	8.7	5.9		4.9	
CADMIUM	0.57	1.3	*0.013*		0.26	0.12	*0.011*		*0.012*	
CHROMIUM	31	35	18.2		20	17.8	19.1		17.1	
COBALT	21	30	8.6		9.9	9.9	12.8		8.1	
COPPER	34		21.6		**37**	**134**	29.4		31.4	
LEAD	100		16		23	27.6	15.4		18.7	
MANGANESE	3650		331		328	660	390		283	
MOLYBDENUM	14	16	3.5		3.5	4	3.3		3	
NICKEL	190		23.1		27.1	22.7	38.7		22.1	
SELENIUM	1.9	14	0.25		*0.11*	0.63	0.24		0.29	
SILVER	17		*0.12*		1.2	*0.13*	*0.1*		*0.11*	
VANADIUM	37	44	21.8		27	22.9	21		20.7	
ZINC	140		67.7		76.5	**241**	66.5		60.8	
MERCURY	1.7	2.4		0.029				0.024		0.037
AROCLOR 1232	0.075		*0.014*		*0.014*	*0.014*	*0.014*		*0.014*	
AROCLOR 1242	0.075		*0.01*		**0.079**	*0.01*	*0.01*		*0.01*	
AROCLOR 1248	0.075		*0.0092*		*0.0092*	*0.0092*	*0.0092*		*0.0092*	
AROCLOR 1254	0.075		*0.0031*		0.058	0.021	*0.0031*		*0.0031*	
AROCLOR 1260	0.075		*0.0062*		*0.0062*	*0.0061*	*0.0061*		*0.0061*	
4,4'-DDE	0.16		*0.0003*		*0.0003*	*0.0003*	*0.0003*		*0.0003*	
ALDRIN	0.01		*0.0005*		*0.0005*	*0.0005*	*0.0005*		*0.0005*	
ALPHA-BHC	0.003		*0.0006*		*0.0006*	*0.0006*	*0.0006*		*0.0006*	
GAMMA-CHLORDANE	0.083		*0.0003*		*0.0003*	*0.0003*	*0.0003*		*0.0003*	
HEPTACHLOR EPOXIDE	0.011		*0.0005*		*0.0005*	*0.0005*	*0.0005*		*0.0005*	
BENZO(A)ANTHRACENE	0.55		*0.0041*		*0.0041*	0.057	*0.0041*		0.024	
BENZO(A)PYRENE	0.55		*0.0068*		0.016	0.06	*0.0068*		0.015	
BENZO(B)FLUORANTHENE	0.55		*0.0095*		0.023	0.086	*0.0095*		0.022	
BENZO(K)FLUORANTHENE	0.55		*0.0082*		*0.0082*	0.027	*0.0082*		0.014	
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.082		0.11	0.33	0.19		0.086	
CHRYSENE	0.55		*0.0041*		*0.0041*	0.05	*0.0041*		0.018	
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*		*0.0068*	*0.0068*	*0.0068*		*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*		*0.0068*	0.034	*0.0068*		*0.0068*	
BENZENE	0.0060		*0.0031*		*0.0033*	*0.0032*	*0.0039*		*0.0032*	
2,3,7.8-TCDD ($x10^6$)	3									

Highlight indicates grid did not achieve at least 1 RG.

Bold indicates an RG failure or missing data

Italics indicates non-detect and the value represents the detection limt

Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-K07-080611	ES-K07-081112	ES-L01-080625	ES-L01-090609	ES-L02-080625	ES-L02-090609	ES-L03-080604	ES-L04-080604
ALUMINUM	21000	24000	14000		11900		12300		15800	15000
ANTIMONY	1.9	2.2	0.63		0.25		0.27		0.3	0.21
ARSENIC	13	30	10.8		11.2		12.7		11	13
BARIUM	210	220	94.4		91.6		98.6		87.9	66.4
BERYLLIUM	2.1		0.93		0.7		0.8		0.72	0.73
BORON	31	35	10.1		7.3		11.2		8.5	10.4
CADMIUM	0.57	1.3	0.32		*0.014*		*0.015*		*0.011*	0.21
CHROMIUM	31	35	23.9		17		17.5		19.9	19.2
COBALT	21	30	11.4		10		13.7		8.7	10.1
COPPER	34		**125**		24.5		29.1		**45.4**	**52**
LEAD	100		89.6		15.7		15.6		20.2	21.8
MANGANESE	3650		621		448		492		352	319
MOLYBDENUM	14	16	4.4		4.3		4.5		3.5	4.5
NICKEL	190		82.1		29.8		33.3		25.6	25
SELENIUM	1.9	14	0.55		*0.12*		*0.14*		0.26	0.2
SILVER	17		1		*0.12*		*0.14*		*0.11*	*0.16*
VANADIUM	37	44	25.1		19.5		20.3		24	21.4
ZINC	140		**157**		66		67.7		78.1	88.4
MERCURY	1.7	2.4				0.018		0.019		
AROCLOR 1232	0.075		*0.014*		*0.014*		*0.014*		*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*		*0.01*		0.055		0.035	0.047
AROCLOR 1248	0.075		*0.0092*		*0.0092*		*0.0092*		*0.0093*	*0.0092*
AROCLOR 1254	0.075		*0.0031*		*0.0031*		*0.0031*		0.033	**0.14**
AROCLOR 1260	0.075		*0.0061*		*0.0061*		*0.0061*		*0.0062*	*0.0062*
4,4'-DDE	0.16		0.0038	0.0029	*0.0003*		*0.0003*		*0.0003*	*0.0003*
ALDRIN	0.01		**0.015**	0.00052	*0.0005*		*0.0005*		*0.0005*	*0.0005*
ALPHA-BHC	0.003		*0.0006*	0.00062	*0.0006*		*0.0006*		*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083		0.0041	0.00031	*0.0003*		*0.0003*		*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011		*0.0005*	0.00052	*0.0005*		*0.0005*		*0.0005*	*0.0005*
BENZO(A)ANTHRACENE	0.55		0.31		0.018		*0.0041*		0.11	*0.0041*
BENZO(A)PYRENE	0.55		0.29		*0.0068*		*0.0068*		0.12	*0.0068*
BENZO(B)FLUORANTHENE	0.55		0.42		0.031		*0.0095*		0.15	0.0096
BENZO(K)FLUORANTHENE	0.55		0.13		*0.0081*		*0.0082*		0.056	*0.0082*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.067		0.12		0.08		0.19	0.18
CHRYSENE	0.55		0.31		0.013		*0.0041*		0.12	*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*		*0.0068*		*0.0068*		*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		0.13		*0.0068*		*0.0068*		0.079	*0.0068*
BENZENE	0.0060		*0.0034*		*0.0043*		*0.0037*		*0.0032*	*0.0026*
2,3,7.8-TCDD $(x10^{6})$	3									

Highlight indicates grid did not achieve at least 1 RG.
Bold indicates an RG failure or missing data
Italics indicates non-detect and the value represents the detection limt
Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-L04-090319	ES-L05-080620	ES-M01-080527	ES-M01-090610	ES-M02-080519	ES-M02-090609	ES-M03-080519	ES-M04-080515
ALUMINUM	21000	24000			15300		14300			14900
ANTIMONY	1.9	2.2			0.21		0.29			0.22
ARSENIC	13	30			10.9		**13.1**			**13.2**
BARIUM	210	220			82.9		96.8			87.3
BERYLLIUM	2.1				0.69		0.95			0.82
BORON	31	35			7.5		9.6			6.8
CADMIUM	0.57	1.3			*0.013*		*0.016*			*0.015*
CHROMIUM	31	35			20.7		20.1			20
COBALT	21	30			9.2		14.6			12.6
COPPER	34				26.7		29.3			28.7
LEAD	100				22.4		15.4			15.7
MANGANESE	3650				361		367			303
MOLYBDENUM	14	16			3.3		4			4.1
NICKEL	190				24.5		37.5			32.1
SELENIUM	1.9	14			0.24		*0.12*			0.15
SILVER	17				*0.12*		*0.14*			*0.14*
VANADIUM	37	44			24		22.3			23.2
ZINC	140				58.6		77.4			74.3
MERCURY	1.7	2.4				0.03		0.024		
AROCLOR 1232	0.075		*0.014*	*0.014*	*0.014*		*0.014*		*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*	*0.01*		0.011		**0.3**	*0.01*
AROCLOR 1248	0.075		*0.0091*	*0.0092*	*0.0092*		*0.0092*		*0.0092*	*0.0092*
AROCLOR 1254	0.075		**0.11**	**0.17**	0.013		*0.0031*		**0.1**	*0.0031*
AROCLOR 1260	0.075		*0.0061*	*0.0061*	*0.0061*		*0.0061*		*0.0061*	*0.0061*
4,4'-DDE	0.16			*0.0003*	*0.0003*		*0.0003*		*0.0003*	*0.0003*
ALDRIN	0.01			*0.0005*	*0.0005*		*0.0005*		*0.0005*	*0.0005*
ALPHA-BHC	0.003			*0.0006*	*0.0006*		*0.0006*		*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083			*0.0003*	*0.0003*		*0.0003*		*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011			*0.0005*	*0.0005*		*0.0005*		0.0031	*0.0005*
BENZO(A)ANTHRACENE	0.55			*0.0041*	*0.0041*		*0.0041*		0.024	*0.0041*
BENZO(A)PYRENE	0.55			*0.0068*	*0.0068*		*0.0068*		*0.0068*	*0.0068*
BENZO(B)FLUORANTHENE	0.55			*0.0095*	*0.0095*		*0.0095*		0.043	*0.0095*
BENZO(K)FLUORANTHENE	0.55			*0.0082*	*0.0082*		*0.0082*		*0.0082*	*0.0082*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55			0.18	0.15		0.1		0.16	0.34
CHRYSENE	0.55			*0.0041*	*0.0041*		*0.0041*		0.019	*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*	*0.0068*		*0.0068*		*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55			*0.0068*	*0.0068*		*0.0068*		*0.0068*	*0.0068*
BENZENE	0.0060			*0.0044*	*0.0029*		*0.003*		*0.0029*	*0.0036*
2,3,7.8-TCDD ($x10^6$)	3									

Highlight indicates grid did not achieve at least 1 RG.
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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-M04-080515	ES-M04-090609	ES-M05-080527	ES-M05-090610	ES-M06-080520	ES-M06-081111	ES-M07-080612	ES-M08-080610
ALUMINUM	21000	24000			12000		12200			13700
ANTIMONY	1.9	2.2			0.2		0.32			0.67
ARSENIC	13	30			10.5		11.8			12.8
BARIUM	210	220			88.8		92.6			80.5
BERYLLIUM	2.1				0.73		0.81			1.2
BORON	31	35			7.2		8.2			**32.2**
CADMIUM	0.57	1.3			*0.01*		0.15			0.095
CHROMIUM	31	35			17.5		17.8			19.8
COBALT	21	30			12.7		13.6			9.5
COPPER	34				27.1		**45.7**			**355**
LEAD	100				16.9		21.4			99.1
MANGANESE	3650				490		531			398
MOLYBDENUM	14	16			3.9		3.9			4.5
NICKEL	190				34.1		34.4			83.6
SELENIUM	1.9	14			0.1		*0.1*			0.25
SILVER	17				*0.096*		*0.1*			1
VANADIUM	37	44			19.1		19.6			23.8
ZINC	140				61.1		92.1			**395**
MERCURY	1.7	2.4		0.028		0.02				
AROCLOR 1232	0.075				*0.014*		*0.014*	*0.014*	*0.014*	*0.014*
AROCLOR 1242	0.075				*0.01*		*0.01*	*0.01*	**0.12**	*0.01*
AROCLOR 1248	0.075				*0.0091*		*0.0092*	*0.0092*	*0.0092*	*0.0093*
AROCLOR 1254	0.075				0.038		**0.099**	0.037	**0.088**	0.028
AROCLOR 1260	0.075				*0.0061*		*0.0061*	*0.0061*	*0.0061*	*0.0062*
4,4'-DDE	0.16		*0.0003*		*0.0003*		*0.0003*		0.001	*0.0003*
ALDRIN	0.01		*0.0005*		*0.0005*		*0.0005*		*0.0005*	*0.0005*
ALPHA-BHC	0.003		*0.0006*		*0.0006*		*0.0006*		*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*		*0.0003*		*0.0003*		*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011		*0.0005*		*0.0005*		*0.0005*		*0.0005*	*0.0005*
BENZO(A)ANTHRACENE	0.55				*0.004*		0.013		*0.0041*	0.22
BENZO(A)PYRENE	0.55				*0.0067*		*0.0068*		*0.0068*	0.22
BENZO(B)FLUORANTHENE	0.55				*0.0094*		0.019		*0.0095*	0.33
BENZO(K)FLUORANTHENE	0.55				*0.0081*		*0.0081*		*0.0082*	0.12
BIS(2-ETHYLHEXYL) PHTHALATE	0.55				0.085		0.095		0.099	0.041
CHRYSENE	0.55				*0.004*		0.012		*0.0041*	0.25
DIBENZ(A,H)ANTHRACENE	0.55				*0.0067*		*0.0068*		*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55				*0.0067*		*0.0068*		*0.0068*	0.1
BENZENE	0.0060				*0.0035*				*0.0043*	*0.0037*
2,3,7.8-TCDD (x10^{6})	3									

Highlight indicates grid did not achieve at least 1 RG.
Bold indicates an RG failure or missing data
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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-M09-080611	ES-M09-090605	ES-N02-080528	ES-N02-090612	ES-N02-090320	ES-N03-080520	ES-N04-080519	ES-N04-080519
ALUMINUM	21000	24000	11700		13900			13300	15400	
ANTIMONY	1.9	2.2	0.31		0.24			0.26	0.22	
ARSENIC	13	30	10.2		12.5			12.3	12.8	
BARIUM	210	220	61		65.6			106	89.8	
BERYLLIUM	2.1		0.7		0.65			0.91	0.82	
BORON	31	35	5.1		5.1			5.6	5.4	
CADMIUM	0.57	1.3	*0.013*		*0.016*			*0.014*	*0.014*	
CHROMIUM	31	35	19.3		18.9			18.5	21.3	
COBALT	21	30	7.4		10.3			14.9	11	
COPPER	34		24.3		28.6			31.4	32	
LEAD	100		30.2		18.4			16.3	20.3	
MANGANESE	3650		263		249			321	254	
MOLYBDENUM	14	16	3.5		3.1			3.6	3.7	
NICKEL	190		15.2		27.1			32.2	29.8	
SELENIUM	1.9	14	0.41		*0.16*			*0.13*	0.26	
SILVER	17		0.82		*0.15*			*0.13*	*0.13*	
VANADIUM	37	44	19.3		22.4			20.9	23.1	
ZINC	140		98.4		69.6			66.3	69.3	
MERCURY	1.7	2.4		0.018		0.032				
AROCLOR 1232	0.075		*0.014*		*0.014*		*0.014*	0.032	*0.014*	
AROCLOR 1242	0.075		*0.01*		*0.01*		*0.01*	*0.014*	0.046	
AROCLOR 1248	0.075		*0.0092*		*0.0092*		*0.0092*	0.02	*0.0092*	
AROCLOR 1254	0.075		0.0082		**0.14**		0.016	*0.0092*	0.017	
AROCLOR 1260	0.075		*0.0061*		*0.0061*		*0.0061*	*0.0031*	*0.0061*	
4,4'-DDE	0.16		*0.0003*		*0.0003*			*0.0061*	*0.0003*	
ALDRIN	0.01		*0.0005*		*0.0005*			*0.0003*	*0.0005*	
ALPHA-BHC	0.003		*0.0006*		*0.0006*			*0.0005*	*0.0006*	
GAMMA-CHLORDANE	0.083		*0.0003*		*0.0003*			*0.0006*	*0.0003*	
HEPTACHLOR EPOXIDE	0.011		*0.0005*		*0.0005*			*0.0003*	*0.0005*	
BENZO(A)ANTHRACENE	0.55		*0.0041*		*0.0041*			*0.0005*	*0.0041*	*0.0041*
BENZO(A)PYRENE	0.55		*0.0068*		*0.0068*			*0.0041*	*0.0068*	*0.0068*
BENZO(B)FLUORANTHENE	0.55		0.022		*0.0095*			*0.0068*	*0.0095*	*0.0095*
BENZO(K)FLUORANTHENE	0.55		0.0082		*0.0082*			*0.0095*	*0.0082*	*0.0082*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		*0.027*		0.1			*0.0082*	0.15	0.189806
CHRYSENE	0.55		*0.0041*		*0.0041*			0.06	*0.0041*	*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*		*0.0068*			*0.0041*	*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*		*0.0068*			*0.0068*	*0.0068*	*0.0068*
BENZENE	0.0060		*0.0037*		*0.0025*			***0.0068***	*0.0033*	
2,3,7.8-TCDD (x10^{6})	3									

Highlight indicates grid did not achieve at least 1 RG.
Bold indicates an RG failure or missing data
Italics indicates non-detect and the value represents the detection limt
Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-N04-090611	ES-N05-080519	ES-N05-081111	ES-N06-080527	ES-N06-090630	ES-N06-081112	ES-N07-080530	ES-N07-080530
ALUMINUM	21000	24000		14300		13500			13400	
ANTIMONY	1.9	2.2		0.27		0.21			0.35	
ARSENIC	13	30		11.8		**13.4**			11.1	
BARIUM	210	220		84.1		97.1			75.3	
BERYLLIUM	2.1			0.81		1.1			0.81	
BORON	31	35		6.1		10.5			18.6	
CADMIUM	0.57	1.3		*0.014*		*0.016*			*0.012*	
CHROMIUM	31	35		19.8		18.5			17.2	
COBALT	21	30		11.5		15.6			14.6	
COPPER	34			**37.7**		29.5			**78.4**	
LEAD	100			19.2		20.1			41.6	
MANGANESE	3650			287		444			634	
MOLYBDENUM	14	16		3.5		3.6			5.5	
NICKEL	190			31.7		35.3			25.6	
SELENIUM	1.9	14		0.14		0.15			0.14	
SILVER	17			*0.13*		*0.14*			*0.11*	
VANADIUM	37	44		22.4		20.1			19.3	
ZINC	140			78.9		73.3			114	
MERCURY	1.7	2.4	0.035				0.024			
AROCLOR 1232	0.075			*0.014*	*0.014*	*0.014*		*0.014*	*0.014*	
AROCLOR 1242	0.075			**0.082**	*0.01*	0.045		*0.01*	0.034	
AROCLOR 1248	0.075			*0.0092*	*0.0092*	*0.0092*		*0.0091*	*0.0092*	
AROCLOR 1254	0.075			0.037	0.014	**0.094**		0.059	0.04	
AROCLOR 1260	0.075			*0.0061*	*0.0061*	*0.0061*		*0.006*	*0.0061*	
4,4'-DDE	0.16			*0.0003*		*0.0003*			*0.0003*	*0.0003*
ALDRIN	0.01			*0.0005*		*0.0005*			*0.0005*	*0.0005*
ALPHA-BHC	0.003			*0.0006*		*0.0006*			*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083			*0.0003*		*0.0003*			*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011			*0.0005*		0.001			*0.0005*	*0.0005*
BENZO(A)ANTHRACENE	0.55			*0.0041*		*0.0041*			*0.0041*	
BENZO(A)PYRENE	0.55			*0.0068*		*0.0068*			*0.0068*	
BENZO(B)FLUORANTHENE	0.55			*0.0095*		*0.0095*			0.015	
BENZO(K)FLUORANTHENE	0.55			*0.0081*		*0.0081*			*0.0082*	
BIS(2-ETHYLHEXYL) PHTHALATE	0.55			0.13		0.11			0.08	
CHRYSENE	0.55			*0.0041*		*0.0041*			*0.0041*	
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*		*0.0068*			*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55			*0.0068*		*0.0068*			*0.0068*	
BENZENE	0.0060			*0.0033*		*0.0033*			*0.003*	
2,3,7.8-TCDD ($x10^6$)	3									

Highlight indicates grid did not achieve at least 1 RG.
Bold indicates an RG failure or missing data
Italics indicates non-detect and the value represents the detection limt
Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-N08-080610	ES-N09-080610	ES-N10-080610	ES-N10-090604	ES-O03-080528	ES-O03-090701	ES-O04-080515	ES-O04-090629
ALUMINUM	21000	24000	14700	15300	13700		14200		13800	
ANTIMONY	1.9	2.2	0.23	0.24	0.33		0.21		0.29	
ARSENIC	13	30	**13.7**	**15.6**	**13.6**		11.8		12.7	
BARIUM	210	220	75	93.1	60.1		65.5		84.1	
BERYLLIUM	2.1		0.96	1.2	0.84		0.73		0.91	
BORON	31	35	6.3	10.3	5.7		4.8		5.2	
CADMIUM	0.57	1.3	*0.013*	*0.013*	*0.013*		*0.013*		*0.014*	
CHROMIUM	31	35	20.3	20.9	19.6		17.6		18.6	
COBALT	21	30	7.9	11.1	8.8		12.4		13.4	
COPPER	34		**45**	**40.2**	23.9		21.2		28	
LEAD	100		18.5	33.6	33.8		16.8		14.4	
MANGANESE	3650		185	291	228		298		314	
MOLYBDENUM	14	16	4	4	4.2		3.3		3.5	
NICKEL	190		22	38.5	26.9		22.5		27.2	
SELENIUM	1.9	14	0.37	0.23	0.22		*0.13*		*0.13*	
SILVER	17		1.1	1.1	1		*0.12*		*0.13*	
VANADIUM	37	44	23.5	23.8	22.6		20.7		20.9	
ZINC	140		94	124	70.6		57.6		60.6	
MERCURY	1.7	2.4				0.02		0.025		0.03
AROCLOR 1232	0.075		*0.015*	*0.014*	*0.014*		*0.014*		*0.014*	
AROCLOR 1242	0.075		*0.01*	*0.01*	*0.01*		*0.01*		0.036	
AROCLOR 1248	0.075		*0.0093*	*0.0093*	*0.0093*		*0.0092*		*0.0092*	
AROCLOR 1254	0.075		*0.0031*	*0.0031*	*0.0031*		*0.0031*		*0.0031*	
AROCLOR 1260	0.075		*0.0062*	*0.0062*	*0.0062*		*0.0062*		*0.0062*	
4,4'-DDE	0.16		*0.0003*	*0.0003*	*0.0003*		*0.0003*		*0.0003*	
ALDRIN	0.01		*0.0005*	*0.0005*	*0.0005*		*0.0005*		*0.0005*	
ALPHA-BHC	0.003		*0.0006*	*0.0006*	*0.0006*		*0.0006*		*0.0006*	
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*	*0.0003*		*0.0003*		*0.0003*	
HEPTACHLOR EPOXIDE	0.011		*0.0005*	*0.0005*	*0.0005*		*0.0005*		*0.0005*	
BENZO(A)ANTHRACENE	0.55		0.033	*0.0041*	*0.0041*		*0.0041*		*0.0041*	
BENZO(A)PYRENE	0.55		0.029	*0.0069*	*0.0069*		*0.0068*		*0.0068*	
BENZO(B)FLUORANTHENE	0.55		0.041	0.0096	*0.0096*		*0.0096*		*0.0095*	
BENZO(K)FLUORANTHENE	0.55		*0.0083*	*0.0083*	*0.0082*		*0.0082*		*0.0082*	
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.054	0.041	0.082		0.12		0.12	
CHRYSENE	0.55		0.026	*0.0041*	*0.0041*		*0.0041*		*0.0041*	
DIBENZ(A,H)ANTHRACENE	0.55		*0.0069*	*0.0069*	*0.0069*		*0.0068*		*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55		*0.0069*	*0.0069*	*0.0069*		*0.0068*		*0.0068*	
BENZENE	0.0060		*0.003*	*0.003*	*0.0037*		*0.0028*		*0.0032*	
2,3,7.8-TCDD ($x10^6$)	3									

Highlight indicates grid did not achieve at least 1 RG.
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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-O04-080515	ES-O05-080520	ES-O05-090630	ES-O06-080529	ES-O06-081111	ES-O06-081111	ES-O07-080530	ES-O08-080530
ALUMINUM	21000	24000		15700		13300				14300
ANTIMONY	1.9	2.2		0.21		0.19				0.15
ARSENIC	13	30		12.4		12.7				6.3
BARIUM	210	220		86.8		107				80.9
BERYLLIUM	2.1			0.88		0.83				0.71
BORON	31	35		4.9		10.5				9.3
CADMIUM	0.57	1.3		*0.0097*		*0.012*				*0.011*
CHROMIUM	31	35		20		17.2				19.2
COBALT	21	30		12.3		10.5				11.1
COPPER	34			30.4		21				**64.4**
LEAD	100			16.3		11.1				20.8
MANGANESE	3650			318		422				544
MOLYBDENUM	14	16		3		3.5				4.1
NICKEL	190			27.2		32.7				27.8
SELENIUM	1.9	14		*0.1*		*0.098*				0.34
SILVER	17			*0.089*		*0.11*				*0.1*
VANADIUM	37	44		21.6		18.8				21.1
ZINC	140			62.3		52.6				102
MERCURY	1.7	2.4			0.034					
AROCLOR 1232	0.075		*0.014*	*0.014*		*0.014*	*0.014*		*0.014*	*0.014*
AROCLOR 1242	0.075		0.074	0.062		**0.1**	**0.083**	0.046	**0.21**	*0.01*
AROCLOR 1248	0.075		*0.0092*	*0.0092*		*0.0092*	*0.0092*		*0.0091*	*0.0092*
AROCLOR 1254	0.075		*0.0031*	0.021		*0.0031*	*0.0031*		0.052	*0.0031*
AROCLOR 1260	0.075		*0.0062*	*0.0062*		*0.0061*	*0.0061*		*0.0061*	*0.0061*
4,4'-DDE	0.16			*0.0003*		*0.0003*			*0.0003*	*0.0003*
ALDRIN	0.01			*0.0005*		*0.0005*			*0.0005*	*0.0005*
ALPHA-BHC	0.003			*0.0006*		*0.0006*			*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083			*0.0003*		*0.0003*			*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011			0.001		0.001			0.002	*0.0005*
BENZO(A)ANTHRACENE	0.55			0.037		*0.0041*			*0.0041*	*0.0041*
BENZO(A)PYRENE	0.55			0.026		*0.0068*			*0.0068*	*0.0068*
BENZO(B)FLUORANTHENE	0.55			0.04		*0.0095*			*0.0095*	*0.0095*
BENZO(K)FLUORANTHENE	0.55			0.012		*0.0081*			*0.0081*	*0.0081*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55			0.44		0.14			0.11	0.096
CHRYSENE	0.55			0.027		*0.0041*			*0.0041*	*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*		*0.0068*			*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55			*0.0068*		*0.0068*			*0.0068*	*0.0068*
BENZENE	0.0060					*0.0047*			*0.003*	**0.0066**
2,3,7.8-TCDD ($x10^6$)	3									

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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-O08-090710	ES-O09-080610	ES-O10-080611	ES-P04-080528	ES-P04-090610	ES-P05-080513	ES-P05-090701	ES-P06-080515
ALUMINUM	21000	24000				14600		14200		12700
ANTIMONY	1.9	2.2				0.29		0.23		0.23
ARSENIC	13	30				**13.2**		12.4		**13.8**
BARIUM	210	220				68.3		105		102
BERYLLIUM	2.1					0.79		0.98		0.86
BORON	31	35				8.1		5.8		5.6
CADMIUM	0.57	1.3				*0.013*		*0.015*		*0.014*
CHROMIUM	31	35				18.5		18.6		17.5
COBALT	21	30				11.4		13.6		13
COPPER	34					27.8		24.3		24.1
LEAD	100					16.5		12.7		12.1
MANGANESE	3650					290		406		442
MOLYBDENUM	14	16				2.8		2.7		3.5
NICKEL	190					27.2		37.4		36.5
SELENIUM	1.9	14				*0.11*		*0.13*		*0.12*
SILVER	17					*0.12*		*0.14*		*0.13*
VANADIUM	37	44				19.9		19.8		17.9
ZINC	140					63.6		67		61.7
MERCURY	1.7	2.4	0.022				0.025		0.02	
AROCLOR 1232	0.075			*0.014*	*0.014*	*0.014*		*0.014*		*0.014*
AROCLOR 1242	0.075			**0.15**	*0.01*	0.017		*0.01*		0.074
AROCLOR 1248	0.075			*0.0093*	*0.0091*	*0.0092*		*0.0092*		*0.0092*
AROCLOR 1254	0.075			**0.21**	**0.18**	*0.0031*		*0.0031*		*0.0031*
AROCLOR 1260	0.075			*0.0062*	*0.0061*	*0.0061*		*0.0061*		*0.0061*
4,4'-DDE	0.16			*0.0003*	*0.0003*	*0.0003*		*0.0003*		*0.0003*
ALDRIN	0.01			*0.0005*	*0.0005*	*0.0005*		*0.0005*		*0.0005*
ALPHA-BHC	0.003			*0.0006*	*0.0006*	*0.0006*		*0.0006*		*0.0006*
GAMMA-CHLORDANE	0.083			*0.0003*	*0.0003*	*0.0003*		*0.0003*		*0.0003*
HEPTACHLOR EPOXIDE	0.011			*0.0005*	*0.0005*	*0.0005*		*0.0005*		0.001
BENZO(A)ANTHRACENE	0.55			*0.0041*	0.039	*0.0041*		*0.0041*		*0.0041*
BENZO(A)PYRENE	0.55			*0.0068*	0.031	*0.0068*		*0.0068*		*0.0068*
BENZO(B)FLUORANTHENE	0.55			*0.0096*	0.054	*0.0095*		*0.0095*		*0.0095*
BENZO(K)FLUORANTHENE	0.55			*0.0082*	0.026	*0.0082*		*0.0081*		*0.0081*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55			0.045	0.074	0.094		0.2		0.27
CHRYSENE	0.55			*0.0041*	0.061	*0.0041*		*0.0041*		*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*	*0.0068*	*0.0068*		*0.0068*		*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55			*0.0068*	*0.0068*	*0.0068*		*0.0068*		*0.0068*
BENZENE	0.0060			*0.0032*	*0.0039*	*0.0037*		*0.0029*		*0.003*
2,3,7.8-TCDD (x10^6)	3									

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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-P06-090611	ES-P07-080519	ES-P07-080519	ES-P07-080519	ES-P08-080530	ES-P08-090630	ES-P08-081113	ES-P10-080606
ALUMINUM	21000	24000		12800			13800			12600
ANTIMONY	1.9	2.2		0.18			0.18			0.38
ARSENIC	13	30		**13.1**			11.2			12.8
BARIUM	210	220		111			61.6			84.2
BERYLLIUM	2.1			0.79			0.65			0.99
BORON	31	35		11.8			3.4			15
CADMIUM	0.57	1.3		0.11			*0.012*			0.028
CHROMIUM	31	35		18.6			19.3			18.8
COBALT	21	30		13.4			9.1			11.9
COPPER	34			28.9			27.4			**43.4**
LEAD	100			14.9			15.8			40.4
MANGANESE	3650			430			336			383
MOLYBDENUM	14	16		3.7			3.8			3.9
NICKEL	190			39.6			22.7			34.9
SELENIUM	1.9	14		*0.18*			0.35			*0.12*
SILVER	17			*0.18*			*0.11*			0.95
VANADIUM	37	44		20.1			20.6			19.3
ZINC	140			75			61.8			92.8
MERCURY	1.7	2.4	0.02					0.026		
AROCLOR 1232	0.075			***0.14***	*0.014*		*0.014*			*0.014*
AROCLOR 1242	0.075			**4.2**	**4.3**		0.05			*0.01*
AROCLOR 1248	0.075			***0.092***	*0.0092*		*0.0092*			*0.0092*
AROCLOR 1254	0.075			*0.031*	*0.0031*		*0.0031*			0.052
AROCLOR 1260	0.075			*0.061*	**0.36**		*0.0061*			*0.0062*
4,4'-DDE	0.16			*0.0003*			*0.0003*			*0.0003*
ALDRIN	0.01			*0.0005*			*0.0005*			*0.0005*
ALPHA-BHC	0.003			*0.0006*			*0.0006*			*0.0006*
GAMMA-CHLORDANE	0.083			*0.0003*			*0.0003*			*0.0003*
HEPTACHLOR EPOXIDE	0.011			**0.038**			0.001			*0.0005*
BENZO(A)ANTHRACENE	0.55			*0.0041*		*0.0041*	*0.0041*			*0.0041*
BENZO(A)PYRENE	0.55			*0.0068*		*0.0068*	*0.0068*			*0.0068*
BENZO(B)FLUORANTHENE	0.55			*0.0095*		*0.0095*	*0.0095*			*0.0096*
BENZO(K)FLUORANTHENE	0.55			*0.0081*		*0.0082*	*0.0082*			*0.0082*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55			0.15		0.33998	0.12			0.052
CHRYSENE	0.55			*0.0041*		*0.0041*	*0.0041*			*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*		*0.0068*	*0.0068*			*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55			*0.0068*		*0.0068*	*0.0068*			*0.0068*
BENZENE	0.0060			*0.0031*			**0.022**		*0.0003*	*0.0028*
2,3,7.8-TCDD (x10^6)	3									

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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-P11-080606	ES-Q05-080520	ES-Q05-090320	ES-Q05-080520	ES-Q06-080520	ES-Q07-080519	ES-Q08-080519	ES-Q09-080612
ALUMINUM	21000	24000	11400	13300						14300
ANTIMONY	1.9	2.2	0.36	0.95						0.27
ARSENIC	13	30	12.1	12.9						**13.2**
BARIUM	210	220	82.2	67.7						79
BERYLLIUM	2.1		0.94	0.68						0.8
BORON	31	35	18.6	5.1						5.3
CADMIUM	0.57	1.3	0.043	0.22						*0.012*
CHROMIUM	31	35	17.4	19.8						18.2
COBALT	21	30	12.2	13.1						12.6
COPPER	34		**50.2**	**34.6**						27.4
LEAD	100		41.8	19.1						14.7
MANGANESE	3650		422	321						350
MOLYBDENUM	14	16	3.8	5						3.8
NICKEL	190		32.5	57.7						26.2
SELENIUM	1.9	14	*0.12*	*0.15*						0.3
SILVER	17		0.99	*0.13*						*0.11*
VANADIUM	37	44	18.4	19.8						19.9
ZINC	140		95.2	80.1						60.5
MERCURY	1.7	2.4								
AROCLOR 1232	0.075		*0.014*	*0.014*	*0.014*		*0.014*	*0.071*	*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*	**0.13**	0.063		**0.19**	**2.24**	**0.56**	0.018
AROCLOR 1248	0.075		*0.0092*	*0.0092*	*0.0092*		*0.0092*	*0.046*	*0.0091*	*0.0092*
AROCLOR 1254	0.075		*0.0031*	**0.11**	0.055		0.057	*0.015*	**0.27**	0.014
AROCLOR 1260	0.075		0.041	*0.0061*	*0.0061*		*0.0061*	*0.031*	*0.0061*	*0.0061*
4,4'-DDE	0.16		*0.0003*	*0.0003*			*0.0003*	*0.0003*	*0.0003*	*0.0003*
ALDRIN	0.01		*0.0005*	*0.0005*			*0.0005*	*0.0005*	*0.0005*	*0.0005*
ALPHA-BHC	0.003		*0.0006*	*0.0006*			*0.0006*	*0.0006*	*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*			0.0061	*0.0003*	*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011		*0.0005*	0.0041			0.002	**0.024**	0.0072	*0.0005*
BENZO(A)ANTHRACENE	0.55		*0.0041*	*0.0041*		0.034	0.034	*0.0041*	0.1	*0.0041*
BENZO(A)PYRENE	0.55		*0.0068*	*0.0068*		*0.0068*	0.028	*0.0068*	0.089	*0.0068*
BENZO(B)FLUORANTHENE	0.55		0.012	*0.0095*		0.034	0.043	*0.0095*	0.13	*0.0095*
BENZO(K)FLUORANTHENE	0.55		*0.0082*	*0.0082*		*0.0082*	*0.0081*	*0.0081*	0.045	*0.0082*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.1	0.18		0.475971	0.37	0.15	0.31	0.039
CHRYSENE	0.55		*0.0041*	*0.0041*		0.033	0.037	*0.0041*	0.1	*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	*0.0068*		*0.0068*	*0.0068*	*0.0068*	*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*	*0.0068*		*0.0068*	*0.0068*	*0.0068*	0.039	*0.0068*
BENZENE	0.0060		*0.0029*	*0.0042*				*0.0032*	*0.0027*	*0.0032*
2,3,7.8-TCDD ($x10^6$)	3									

Highlight indicates grid did not achieve at least 1 RG.
Bold indicates an RG failure or missing data
Italics indicates non-detect and the value represents the detection limt
Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-Q09-090630	ES-Q10-080606	ES-Q11-080606	ES-Q11-090605	ES-Q17-080609	ES-Q17-090612	ES-R05-080521	ES-R06-080521
ALUMINUM	21000	24000		18800	16000		11800		14100	15300
ANTIMONY	1.9	2.2		0.37	0.26		0.23		0.44	0.14
ARSENIC	13	30		**14.5**	**13.3**		12.5		12.6	12.2
BARIUM	210	220		80.2	99.5		60.4		73.5	99
BERYLLIUM	2.1			0.95	0.87		0.5		0.65	1.1
BORON	31	35		8.4	13.5		6.2		5.1	5.4
CADMIUM	0.57	1.3		0.26	0.32		0.17		*0.012*	0.018
CHROMIUM	31	35		22.7	20.3		16.1		23.8	20.1
COBALT	21	30		15	13.1		8.6		9.8	20.2
COPPER	34			**56.8**	25		20.6		**43.5**	28.7
LEAD	100			35.1	25.4		34.8		67.4	10.6
MANGANESE	3650			475	501		363		309	545
MOLYBDENUM	14	16		4.2	4		4.2		4.6	3.2
NICKEL	190			34.1	37.8		21.7		31.6	33.9
SELENIUM	1.9	14		0.21	0.1		0.23		*0.14*	0.16
SILVER	17			1.1	1.1		*0.15*		*0.11*	*0.12*
VANADIUM	37	44		34.9	28.2		21.2		21.4	19.7
ZINC	140			78.8	61		69.7		96.8	72.9
MERCURY	1.7	2.4	0.029			0.017		0.021		
AROCLOR 1232	0.075			*0.014*	*0.014*		*0.014*		*0.014*	*0.014*
AROCLOR 1242	0.075			*0.01*	*0.01*		*0.01*		*0.01*	*0.01*
AROCLOR 1248	0.075			*0.0092*	*0.0092*		*0.0092*		*0.0092*	*0.0092*
AROCLOR 1254	0.075			*0.0031*	*0.0031*		*0.0031*		0.068	*0.0031*
AROCLOR 1260	0.075			*0.0062*	*0.0061*		*0.0061*		*0.0061*	*0.0061*
4,4'-DDE	0.16			*0.0003*	*0.0003*		*0.0003*		*0.0003*	*0.0003*
ALDRIN	0.01			*0.0005*	*0.0005*		*0.0005*		*0.0005*	*0.0005*
ALPHA-BHC	0.003			*0.0006*	*0.0006*		*0.0006*		*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083			*0.0003*	*0.0003*		*0.0003*		*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011			*0.0005*	*0.0005*		*0.0005*		0.0031	*0.0005*
BENZO(A)ANTHRACENE	0.55			0.14	*0.0041*		*0.0041*		0.037	*0.0041*
BENZO(A)PYRENE	0.55			0.14	*0.0068*		*0.0068*		0.041	*0.0068*
BENZO(B)FLUORANTHENE	0.55			0.15	*0.0095*		*0.0095*		0.083	*0.0095*
BENZO(K)FLUORANTHENE	0.55			0.072	*0.0082*		*0.0081*		*0.0082*	*0.0082*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55			0.098	0.065		0.054		0.11	0.048
CHRYSENE	0.55			0.14	*0.0041*		*0.0041*		0.05	*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*	*0.0068*		*0.0068*		*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55			0.081	*0.0068*		*0.0068*		*0.0068*	*0.0068*
BENZENE	0.0060			*0.0034*	*0.0034*		*0.0032*		*0.0051*	*0.0037*
2,3,7.8-TCDD ($x10^6$)	3									

Highlight indicates grid did not achieve at least 1 RG.
Bold indicates an RG failure or missing data
Italics indicates non-detect and the value represents the detection limt
Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-R06-090710	ES-R06-080521	ES-R07-080521	ES-R07-090710	ES-R08-080519	ES-R09-080520	ES-R10-080602	ES-R10-090707
ALUMINUM	21000	24000			16400			17600	15800	
ANTIMONY	1.9	2.2			0.17			0.12	0.19	
ARSENIC	13	30			8.7			7	10	
BARIUM	210	220			87.7			81.5	67.9	
BERYLLIUM	2.1				0.95			0.81	0.62	
BORON	31	35			6.2			3.2	*2.5*	
CADMIUM	0.57	1.3			*0.012*			*0.014*	*0.015*	
CHROMIUM	31	35			19.9			20.7	18.4	
COBALT	21	30			17.7			10.6	10.6	
COPPER	34				25.7			26.3	20.4	
LEAD	100				11.2			11.5	11.3	
MANGANESE	3650				395			268	370	
MOLYBDENUM	14	16			2.8			3.8	3.8	
NICKEL	190				37.1			36.2	28.5	
SELENIUM	1.9	14			0.19			*0.12*	0.21	
SILVER	17				*0.11*			0.13	*0.14*	
VANADIUM	37	44			20.7			22.6	20.8	
ZINC	140				62.6			61.4	58.6	
MERCURY	1.7	2.4	0.018			0.022				0.023
AROCLOR 1232	0.075				*0.014*		*0.014*	*0.014*	*0.014*	
AROCLOR 1242	0.075				*0.01*		**0.44**	*0.01*	*0.01*	
AROCLOR 1248	0.075				*0.0092*		*0.0092*	*0.0092*	*0.0092*	
AROCLOR 1254	0.075				*0.0031*		**0.18**	*0.0031*	*0.0031*	
AROCLOR 1260	0.075				*0.0062*		*0.0061*	*0.0062*	*0.0062*	
4,4'-DDE	0.16				*0.0003*		*0.0003*	*0.0062*	*0.0003*	
ALDRIN	0.01				*0.0005*		*0.0005*	*0.0003*	*0.0005*	
ALPHA-BHC	0.003				*0.0006*		*0.0006*	*0.0005*	*0.0006*	
GAMMA-CHLORDANE	0.083				*0.0003*		*0.0003*	*0.0006*	*0.0003*	
HEPTACHLOR EPOXIDE	0.011				*0.0005*		0.0061	*0.0005*	*0.0005*	
BENZO(A)ANTHRACENE	0.55			*0.0041*	*0.0041*		0.03	*0.018*	*0.0041*	
BENZO(A)PYRENE	0.55			*0.0068*	*0.0068*		0.022	0.0068	*0.0068*	
BENZO(B)FLUORANTHENE	0.55			*0.0095*	*0.0095*		0.031	*0.015*	*0.0096*	
BENZO(K)FLUORANTHENE	0.55			*0.0081*	*0.0082*		0.016	*0.0082*	*0.0082*	
BIS(2-ETHYLHEXYL) PHTHALATE	0.55			0.1	0.13		0.099	*0.098*	0.074	
CHRYSENE	0.55			*0.0041*	*0.0041*		0.024	0.012	*0.0041*	
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*	*0.0068*		*0.0068*	*0.0068*	*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55			*0.0068*	*0.0068*		*0.0068*	*0.0068*	*0.0068*	
BENZENE	0.0060				*0.0047*		*0.0029*		*0.0033*	
2,3,7.8-TCDD ($x10^6$)	3									

Highlight indicates grid did not achieve at least 1 RG.
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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-R11-080605	ES-R12-080611	ES-R12-090605	ES-R16-080605	ES-R16-090604	ES-R17-080606	ES-R17-090605	ES-S05-080521
ALUMINUM	21000	24000	16000	14200		14400		12300		14500
ANTIMONY	1.9	2.2	0.3	0.23		0.16		0.19		0.33
ARSENIC	13	30	12.9	**17.4**		11		12.5		10.2
BARIUM	210	220	100	71.2		52.3		58.7		78.8
BERYLLIUM	2.1		1.1	0.73		0.5		0.58		0.85
BORON	31	35	9	9.3		3.9		6.6		3.5
CADMIUM	0.57	1.3	0.23	0.22		0.12		0.1		*0.017*
CHROMIUM	31	35	20.6	18.6		19.8		17.5		19.3
COBALT	21	30	13.5	9.8		10		11.2		18.1
COPPER	34		**39.1**	22.9		19.6		23.5		24.9
LEAD	100		17.9	17.3		16.7		15		15.4
MANGANESE	3650		415	368		292		346		443
MOLYBDENUM	14	16	3.7	3.8		3.5		4.3		3.9
NICKEL	190		36.6	26.3		21.5		26		42.3
SELENIUM	1.9	14	*0.1*	0.22		0.22		0.24		*0.14*
SILVER	17		1	1.1		*0.14*		*0.12*		*0.15*
VANADIUM	37	44	27.4	27		23.4		20.2		20.5
ZINC	140		70.8	60		58.2		59.9		70.8
MERCURY	1.7	2.4			0.024		0.028		0.022	
AROCLOR 1232	0.075		*0.014*	*0.014*		*0.014*		*0.014*		*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*		*0.01*		*0.01*		*0.01*
AROCLOR 1248	0.075		*0.0093*	*0.0092*		*0.0092*		*0.0092*		*0.0092*
AROCLOR 1254	0.075		*0.0031*	*0.0031*		0.027		0.011		*0.0031*
AROCLOR 1260	0.075		*0.0062*	*0.0062*		*0.0061*		*0.0061*		*0.0061*
4,4'-DDE	0.16		*0.0003*	*0.0003*		*0.0003*		*0.0003*		*0.0003*
ALDRIN	0.01		*0.0005*	*0.0005*		*0.0005*		*0.0005*		*0.0005*
ALPHA-BHC	0.003		*0.0006*	*0.0006*		*0.0006*		*0.0006*		*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*		*0.0003*		*0.0003*		*0.0003*
HEPTACHLOR EPOXIDE	0.011		*0.0005*	*0.0005*		*0.0005*		*0.0005*		*0.0005*
BENZO(A)ANTHRACENE	0.55		*0.0041*	*0.0041*		*0.0041*		*0.0041*		0.048
BENZO(A)PYRENE	0.55		*0.0068*	*0.0068*		*0.0068*		*0.0068*		0.048
BENZO(B)FLUORANTHENE	0.55		*0.0096*	*0.0096*		0.0095		*0.0095*		0.088
BENZO(K)FLUORANTHENE	0.55		*0.0082*	*0.0082*		*0.0082*		*0.0082*		*0.0082*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.068	*0.027*		0.12		0.09		0.19
CHRYSENE	0.55		*0.0041*	*0.0041*		*0.0041*		*0.0041*		0.056
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	*0.0068*		*0.0068*		*0.0068*		*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*	*0.0068*		*0.0068*		*0.0068*		*0.0068*
BENZENE	0.0060		*0.0029*	*0.0037*		*0.0034*		*0.0027*		*0.004*
2,3,7.8-TCDD ($x10^6$)	3									

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Bold indicates an RG failure or missing data
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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-S05-090702	ES-S06-080521	ES-S06-090702	ES-S07-080521	ES-S07-090702	ES-S08-080522	ES-S08-090319	ES-S09-080522
ALUMINUM	21000	24000		18600		16000				18200
ANTIMONY	1.9	2.2		0.26		0.2				0.21
ARSENIC	13	30		10.9		**14.3**				10.2
BARIUM	210	220		91.3		92.2				97.5
BERYLLIUM	2.1			0.94		1.1				1
BORON	31	35		9.2		2.7				6.6
CADMIUM	0.57	1.3		*0.014*		*0.013*				*0.016*
CHROMIUM	31	35		23		20.2				21.9
COBALT	21	30		11.3		**23.9**				16.2
COPPER	34			24.4		26.9				24.5
LEAD	100			12.6		11.9				11.8
MANGANESE	3650			310		485				401
MOLYBDENUM	14	16		3.8		3.2				3.2
NICKEL	190			32.3		38.1				39.5
SELENIUM	1.9	14		0.19		*0.14*				0.18
SILVER	17			*0.13*		*0.12*				*0.14*
VANADIUM	37	44		25.7		20.6				23.8
ZINC	140			63.6		66.5				62.6
MERCURY	1.7	2.4	0.021		0.025		0.025			
AROCLOR 1232	0.075			*0.014*		*0.014*		*0.014*	*0.014*	*0.014*
AROCLOR 1242	0.075			*0.01*		*0.01*		**0.15**	**0.19**	0.017
AROCLOR 1248	0.075			*0.0092*		*0.0092*		*0.0091*	*0.0091*	*0.0092*
AROCLOR 1254	0.075			*0.0031*		*0.0031*		**0.11**	**0.076**	*0.0031*
AROCLOR 1260	0.075			*0.0061*		*0.0061*		*0.0061*	*0.0061*	*0.0061*
4,4'-DDE	0.16			*0.0003*		0.00041		*0.0003*		*0.0003*
ALDRIN	0.01			*0.0005*		*0.0005*		*0.0005*		*0.0005*
ALPHA-BHC	0.003			*0.0006*		*0.0006*		*0.0006*		*0.0006*
GAMMA-CHLORDANE	0.083			*0.0003*		0.00041		*0.0003*		*0.0003*
HEPTACHLOR EPOXIDE	0.011			*0.0005*		0.00051		0.002		*0.0005*
BENZO(A)ANTHRACENE	0.55			0.019		*0.0041*		0.039		*0.0041*
BENZO(A)PYRENE	0.55			*0.0068*		*0.0068*		0.035		*0.0068*
BENZO(B)FLUORANTHENE	0.55			0.023		*0.0095*		0.057		*0.0095*
BENZO(K)FLUORANTHENE	0.55			*0.0082*		*0.0082*		0.02		*0.0081*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55			0.092		0.08		0.16		0.19
CHRYSENE	0.55			0.018		*0.0041*		0.044		*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*		*0.0068*		*0.0067*		*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55			*0.0068*		*0.0068*		0.024		*0.0068*
BENZENE	0.0060			*0.0037*		*0.0034*		*0.0033*		*0.0033*
2,3,7.8-TCDD ($x10^6$)	3									

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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-S09-090629	ES-S10-080523	ES-S10-090629	ES-S11-080528	ES-S12-080609	ES-S12-090605	ES-S13-080610	ES-S13-090602
ALUMINUM	21000	24000		17200		16900	14000		13900	
ANTIMONY	1.9	2.2		0.26		0.38	*0.066*		0.1	
ARSENIC	13	30		9.3		9.6	**13.5**		12.6	
BARIUM	210	220		82.6		67.7	95.5		66.5	
BERYLLIUM	2.1			0.88		0.61	0.81		0.59	
BORON	31	35		3.8		3.6	5.4		3.3	
CADMIUM	0.57	1.3		*0.017*		*0.019*	0.092		*0.016*	
CHROMIUM	31	35		21		20.1	19.6		18.3	
COBALT	21	30		15.5		9	16		9.9	
COPPER	34			22.2		19.2	25		19.3	
LEAD	100			11.1		10.4	14.8		16.2	
MANGANESE	3650			348		327	463		400	
MOLYBDENUM	14	16		3.5		4.2	4.2		3.8	
NICKEL	190			33.4		25.4	35.5		20.9	
SELENIUM	1.9	14		0.38		*0.19*	*0.15*		0.34	
SILVER	17			*0.16*		*0.17*	*0.18*		*0.14*	
VANADIUM	37	44		22.6		23.3	22.1		24	
ZINC	140			58.6		61.6	62.4		54	
MERCURY	1.7	2.4	0.023		0.023			0.019		0.027
AROCLOR 1232	0.075			*0.014*		*0.014*	*0.014*		*0.014*	
AROCLOR 1242	0.075			*0.01*		*0.01*	*0.01*		*0.01*	
AROCLOR 1248	0.075			*0.0092*		*0.0092*	*0.0093*		*0.0092*	
AROCLOR 1254	0.075			*0.0031*		*0.0031*	*0.0031*		*0.0031*	
AROCLOR 1260	0.075			*0.0061*		*0.0062*	*0.0062*		*0.0061*	
4,4'-DDE	0.16			*0.0003*		*0.0003*	*0.0003*		*0.0003*	
ALDRIN	0.01			*0.0005*		*0.0005*	*0.0005*		*0.0005*	
ALPHA-BHC	0.003			*0.0006*		*0.0006*	*0.0006*		*0.0006*	
GAMMA-CHLORDANE	0.083			*0.0003*		*0.0003*	*0.0003*		*0.0003*	
HEPTACHLOR EPOXIDE	0.011			*0.0005*		*0.0005*	*0.0005*		*0.0005*	
BENZO(A)ANTHRACENE	0.55			*0.0041*		*0.0041*	*0.0041*		*0.0041*	
BENZO(A)PYRENE	0.55			*0.0068*		*0.0068*	*0.0068*		*0.0068*	
BENZO(B)FLUORANTHENE	0.55			*0.0095*		*0.0096*	*0.0096*		*0.0095*	
BENZO(K)FLUORANTHENE	0.55			*0.0081*		*0.0082*	*0.0082*		*0.0082*	
BIS(2-ETHYLHEXYL) PHTHALATE	0.55			0.097		0.18	0.038		0.14	
CHRYSENE	0.55			*0.0041*		*0.0041*	*0.0041*		*0.0041*	
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*		*0.0068*	*0.0068*		*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55			*0.0068*		*0.0068*	*0.0068*		*0.0068*	
BENZENE	0.0060			*0.003*		*0.0038*	*0.0035*		*0.0035*	
2,3,7.8-TCDD ($x10^6$)	3									

Highlight indicates grid did not achieve at least 1 RG.
Bold indicates an RG failure or missing data
Italics indicates non-detect and the value represents the detection limt
Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-S17-080606	ES-S18-080606	ES-S18-090604	ES-T07-080612	ES-T07-090706	ES-T08-080522	ES-T08-090706	ES-T09-080522
ALUMINUM	21000	24000		15700		14900		16500		15100
ANTIMONY	1.9	2.2		0.09		0.23		0.23		0.23
ARSENIC	13	30		**13.3**		10		9.4		8.1
BARIUM	210	220		69		63.7		66.1		65.4
BERYLLIUM	2.1			0.71		0.73		0.75		0.62
BORON	31	35		4		2.4		2.6		2.7
CADMIUM	0.57	1.3		*0.017*		*0.014*		*0.014*		*0.014*
CHROMIUM	31	35		21.2		19.3		20.5		18.6
COBALT	21	30		10.8		14.5		12.1		10
COPPER	34			22.7		22.6		23.2		28.4
LEAD	100			15.1		11.5		11.4		14.2
MANGANESE	3650			289		377		320		334
MOLYBDENUM	14	16		3.9		4		3.6		3.3
NICKEL	190			26.7		29.9		29.6		28.9
SELENIUM	1.9	14		0.18		*0.14*		0.2		0.3
SILVER	17			*0.15*		*0.13*		*0.13*		*0.13*
VANADIUM	37	44		24.8		21.6		22.1		20.5
ZINC	140			57.6		59.3		66.7		73.7
MERCURY	1.7	2.4			0.023		0.024		0.021	
AROCLOR 1232	0.075		*0.014*	*0.014*		*0.014*		*0.014*		*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*		*0.01*		*0.01*		**0.09**
AROCLOR 1248	0.075		*0.0092*	*0.0092*		*0.0092*		*0.0091*		*0.0091*
AROCLOR 1254	0.075		**0.26**	*0.0031*		*0.0031*		*0.003*		0.033
AROCLOR 1260	0.075		*0.0062*	*0.0061*		*0.0061*		*0.0061*		*0.0061*
4,4'-DDE	0.16		*0.0003*	*0.0003*		*0.0003*		*0.0003*		*0.0003*
ALDRIN	0.01		*0.0005*	*0.0005*		*0.0005*		*0.0005*		*0.0005*
ALPHA-BHC	0.003		*0.0006*	*0.0006*		*0.0006*		*0.0006*		*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*		*0.0003*		*0.0003*		*0.0003*
HEPTACHLOR EPOXIDE	0.011		*0.0005*	*0.0005*		*0.0005*		0.001		0.001
BENZO(A)ANTHRACENE	0.55		*0.0041*	*0.0041*		*0.0041*		*0.0041*		0.02
BENZO(A)PYRENE	0.55		*0.0068*	*0.0068*		*0.0068*		*0.0068*		*0.0068*
BENZO(B)FLUORANTHENE	0.55		0.011	*0.0095*		*0.0095*		*0.0095*		0.023
BENZO(K)FLUORANTHENE	0.55		*0.0082*	*0.0082*		*0.0081*		*0.0081*		*0.0081*
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.082	0.063		*0.027*		0.14		0.095
CHRYSENE	0.55		*0.0041*	*0.0041*		*0.0041*		*0.0041*		0.013
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	*0.0068*		*0.0068*		*0.0068*		*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*	*0.0068*		*0.0068*		*0.0068*		*0.0068*
BENZENE	0.0060		*0.0037*	*0.0043*		*0.0028*		*0.0036*		*0.0031*
2,3,7.8-TCDD (x10^{6})	3									

Highlight indicates grid did not achieve at least 1 RG.
Bold indicates an RG failure or missing data
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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-T09-081112	ES-T09-090706	ES-T10-080523	ES-T11-080530	ES-T11-090701	ES-T11-080530	ES-T12-080609	ES-T12-090602
ALUMINUM	21000	24000			16600	18200			16100	
ANTIMONY	1.9	2.2			0.4	0.14			*0.058*	
ARSENIC	13	30			9.7	10.6			12.3	
BARIUM	210	220			74.9	82.3			80	
BERYLLIUM	2.1				0.73	0.74			0.63	
BORON	31	35			3.7	*2.1*			4.1	
CADMIUM	0.57	1.3			*0.014*	*0.013*			*0.017*	
CHROMIUM	31	35			19.6	21.3			21.2	
COBALT	21	30			12.3	10			7.6	
COPPER	34				**43**	18.9			18.2	
LEAD	100				16.2	12.5			17	
MANGANESE	3650				419	662			357	
MOLYBDENUM	14	16			3.5	4.8			3.5	
NICKEL	190				51.8	23.9			19.9	
SELENIUM	1.9	14			0.23	0.56			0.36	
SILVER	17				*0.13*	*0.12*			1	
VANADIUM	37	44			21.7	26.1			26.8	
ZINC	140				102	59.7			54	
MERCURY	1.7	2.4		0.023			0.022			0.019
AROCLOR 1232	0.075		*0.014*		*0.014*	*0.014*			*0.014*	
AROCLOR 1242	0.075		*0.01*		0.031	*0.01*			*0.01*	
AROCLOR 1248	0.075		*0.0091*		*0.0092*	*0.0093*			*0.0093*	
AROCLOR 1254	0.075		0.0071		0.03	*0.0031*			*0.0031*	
AROCLOR 1260	0.075		*0.0061*		*0.0061*	*0.0062*			*0.0062*	
4,4'-DDE	0.16				*0.0003*	*0.0003*			*0.0003*	
ALDRIN	0.01				*0.0005*	*0.0005*			*0.0005*	
ALPHA-BHC	0.003				*0.0006*	*0.0006*			*0.0006*	
GAMMA-CHLORDANE	0.083				*0.0003*	*0.0003*			*0.0003*	
HEPTACHLOR EPOXIDE	0.011				*0.0005*	*0.0005*			*0.0005*	
BENZO(A)ANTHRACENE	0.55				0.038	*0.0041*		*0.0041*	*0.0041*	
BENZO(A)PYRENE	0.55				0.037	*0.0069*		*0.0068*	*0.0068*	
BENZO(B)FLUORANTHENE	0.55				0.048	*0.0096*		*0.0095*	*0.0096*	
BENZO(K)FLUORANTHENE	0.55				0.026	*0.0082*		*0.0081*	*0.0082*	
BIS(2-ETHYLHEXYL) PHTHALATE	0.55				0.11	0.071		0.135576	0.073	
CHRYSENE	0.55				0.038	*0.0041*		*0.0041*	*0.0041*	
DIBENZ(A,H)ANTHRACENE	0.55				*0.0068*	*0.0069*		*0.0068*	*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55				0.022	*0.0069*		*0.0068*	*0.0068*	
BENZENE	0.0060				*0.0028*	*0.0032*			*0.004*	
2,3,7.8-TCDD ($x10^6$)	3									

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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-T13-080609	ES-T13-090602	ES-T14-080610	ES-T14-080610	ES-U10-080523	ES-U10-090707	ES-U11-080602	ES-U11-090708
ALUMINUM	21000	24000	15000		15100		17100		15100	
ANTIMONY	1.9	2.2	0.052		0.11		0.24		*0.1*	
ARSENIC	13	30	12.9		10.3		9.9		8.7	
BARIUM	210	220	83.4		83.8		69.9		69.3	
BERYLLIUM	2.1		0.75		0.7		0.71		0.65	
BORON	31	35	2.9		4		*2.3*		3.3	
CADMIUM	0.57	1.3	*0.012*		*0.013*		*0.014*		0.15	
CHROMIUM	31	35	20.4		18.7		20.9		18.2	
COBALT	21	30	10.5		11.5		11.9		10.3	
COPPER	34		21.7		17.3		23.8		18.9	
LEAD	100		16.5		18.8		11.2		14.6	
MANGANESE	3650		371		1170		352		553	
MOLYBDENUM	14	16	3.3		4.1		3.3		3.3	
NICKEL	190		25.7		19.5		31.7		20.2	
SELENIUM	1.9	14	0.4		0.42		*0.14*		0.41	
SILVER	17		0.98		0.82		*0.12*		*0.14*	
VANADIUM	37	44	24.2		24.6		22.8		21.9	
ZINC	140		60.3		56.4		63.2		63.6	
MERCURY	1.7	2.4		0.025		0.027		0.024		0.02
AROCLOR 1232	0.075		*0.014*		*0.014*		*0.014*		*0.014*	
AROCLOR 1242	0.075		*0.01*		*0.01*		*0.01*		*0.01*	
AROCLOR 1248	0.075		*0.0092*		*0.0092*		*0.0092*		*0.0092*	
AROCLOR 1254	0.075		*0.0031*		*0.0031*		*0.0031*		*0.0031*	
AROCLOR 1260	0.075		*0.0062*		*0.0062*		*0.0061*		*0.0061*	
4,4'-DDE	0.16		*0.0003*		*0.0003*		*0.0003*		*0.0003*	
ALDRIN	0.01		*0.0005*		*0.0005*		*0.0005*		*0.0005*	
ALPHA-BHC	0.003		*0.0006*		*0.0006*		*0.0006*		*0.0006*	
GAMMA-CHLORDANE	0.083		*0.0003*		*0.0003*		*0.0003*		*0.0003*	
HEPTACHLOR EPOXIDE	0.011		*0.0005*		*0.0005*		*0.0005*		*0.0005*	
BENZO(A)ANTHRACENE	0.55		*0.0041*		*0.0041*		0.015		*0.0041*	
BENZO(A)PYRENE	0.55		*0.0068*		*0.0068*		*0.0068*		0.026	
BENZO(B)FLUORANTHENE	0.55		*0.0096*		*0.0096*		0.016		0.042	
BENZO(K)FLUORANTHENE	0.55		*0.0082*		*0.0082*		*0.0081*		*0.0081*	
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.044		0.056		0.091		0.092	
CHRYSENE	0.55		*0.0041*		*0.0041*		0.011		*0.0041*	
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*		*0.0068*		*0.0068*		*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*		*0.0068*		*0.0068*		*0.0068*	
BENZENE	0.0060		*0.0036*		*0.0044*		*0.0037*		*0.0035*	
2,3,7.8-TCDD ($x10^6$)	3									

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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-U13-080610	ES-U13-090602	ES-U14-080610	ES-U14-090601	ES-V11-080529	ES-V11-090708	ES-V14-080605	ES-V14-090602
ALUMINUM	21000	24000	12200		13000		15800		13900	
ANTIMONY	1.9	2.2	0.3		0.33		0.14		0.3	
ARSENIC	13	30	9.2		10.1		10.7		8.3	
BARIUM	210	220	86.2		75.5		66.2		88.1	
BERYLLIUM	2.1		0.91		0.84		0.76		0.95	
BORON	31	35	3.2		3.5		4		3.9	
CADMIUM	0.57	1.3	*0.012*		*0.013*		0.17		*0.013*	
CHROMIUM	31	35	15.9		17		20.2		17	
COBALT	21	30	10.2		9.9		13.1		10.3	
COPPER	34		14.3		22.1		24.1		13.4	
LEAD	100		32.3		19.5		13.2		22.4	
MANGANESE	3650		840		839		371		894	
MOLYBDENUM	14	16	3.4		3.7		3.1		3.3	
NICKEL	190		18		17.3		27.8		16.9	
SELENIUM	1.9	14	0.5		0.63		0.22		0.67	
SILVER	17		0.75		0.77		*0.12*		0.66	
VANADIUM	37	44	20.1		21.4		21.2		21.7	
ZINC	140		77.3		106		71.1		72.9	
MERCURY	1.7	2.4		0.029		0.03		0.026		0.034
AROCLOR 1232	0.075		*0.014*		*0.014*		*0.014*		*0.014*	
AROCLOR 1242	0.075		*0.01*		*0.01*		*0.01*		*0.01*	
AROCLOR 1248	0.075		*0.0092*		*0.0092*		*0.0092*		*0.0092*	
AROCLOR 1254	0.075		*0.0031*		*0.0031*		*0.0031*		*0.0031*	
AROCLOR 1260	0.075		*0.0061*		*0.0061*		*0.0061*		*0.0062*	
4,4'-DDE	0.16		*0.0003*		*0.0003*		0.001		*0.0003*	
ALDRIN	0.01		*0.0005*		*0.0005*		0.0031		*0.0005*	
ALPHA-BHC	0.003		*0.0006*		*0.0006*		*0.0006*		*0.0006*	
GAMMA-CHLORDANE	0.083		*0.0003*		*0.0003*		0.001		*0.0003*	
HEPTACHLOR EPOXIDE	0.011		*0.0005*		*0.0005*		0.002		*0.0005*	
BENZO(A)ANTHRACENE	0.55		*0.0041*		*0.0041*		0.24		0.025	
BENZO(A)PYRENE	0.55		*0.0068*		0.03		0.22		0.023	
BENZO(B)FLUORANTHENE	0.55		*0.0095*		*0.0095*		0.3		0.037	
BENZO(K)FLUORANTHENE	0.55		*0.0081*		*0.0081*		0.14		*0.0082*	
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.079		0.039		0.083		0.14	
CHRYSENE	0.55		*0.0041*		*0.0041*		0.26		0.027	
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*		*0.0068*		*0.0068*		*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*		*0.0068*		0.15		*0.0068*	
BENZENE	0.0060		*0.0028*		*0.0038*		*0.0028*		*0.0023*	
2,3,7.8-TCDD (x10^{6})	3									

Highlight indicates grid did not achieve at least 1 RG.

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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	ES-W12-080527	ES-W12-090707
ALUMINUM	21000	24000	14000	
ANTIMONY	1.9	2.2	0.18	
ARSENIC	13	30	5.9	
BARIUM	210	220	60.6	
BERYLLIUM	2.1		0.6	
BORON	31	35	3.1	
CADMIUM	0.57	1.3	0.12	
CHROMIUM	31	35	16.9	
COBALT	21	30	11	
COPPER	34		15.7	
LEAD	100		15.1	
MANGANESE	3650		464	
MOLYBDENUM	14	16	3.6	
NICKEL	190		20.3	
SELENIUM	1.9	14	0.33	
SILVER	17		*0.12*	
VANADIUM	37	44	19.7	
ZINC	140		108	
MERCURY	1.7	2.4		0.02
AROCLOR 1232	0.075		*0.014*	
AROCLOR 1242	0.075		*0.01*	
AROCLOR 1248	0.075		*0.0092*	
AROCLOR 1254	0.075		*0.0031*	
AROCLOR 1260	0.075		*0.0061*	
4,4'-DDE	0.16		*0.0003*	
ALDRIN	0.01		*0.0005*	
ALPHA-BHC	0.003		*0.0006*	
GAMMA-CHLORDANE	0.083		*0.0003*	
HEPTACHLOR EPOXIDE	0.011		*0.0005*	
BENZO(A)ANTHRACENE	0.55		0.065	
BENZO(A)PYRENE	0.55		0.054	
BENZO(B)FLUORANTHENE	0.55		0.12	
BENZO(K)FLUORANTHENE	0.55		*0.0081*	
BIS(2-ETHYLHEXYL) PHTHALATE	0.55		0.22	
CHRYSENE	0.55		0.078	
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*	
BENZENE	0.0060		*0.0029*	
2,3,7.8-TCDD ($x10^{6}$)	3			

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Highlight indicates second analysis of the same sample

West Site

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-A04-080626	WS-B02-080502	WS-B03-080502	WS-B04-080626	WS-B04-090727	WS-B05-080626	WS-B05-090730	WS-C01-080501	WS-C01-090709
ALUMINUM	21000	24000	17700		17100	14800		12900		13000	
ANTIMONY	1.9	2.2	0.51		0.4	0.4		0.32		0.26	
ARSENIC	13	30	12.8		**16.2**	10.7		11.4		6.6	
BARIUM	210	220	79.2		97.3	92.1		89.1		80.3	
BERYLLIUM	2.1		0.88		0.97	0.95		0.73		0.6	
BORON	31	35	*3.1*		7	11.8		9.3		5.7	
CADMIUM	0.57	1.3	0.23		0.15	0.19		*0.012*		0.48	
CHROMIUM	31	35	24.8		**37.5**	20.8		18		17.3	
COBALT	21	30	12.2		15	12.4		12.1		10.3	
COPPER	34		24.8		33.6	22.8		33		28.1	
LEAD	100		17.4		15.6	11		10.4		44.3	
MANGANESE	3650		318		400	414		400		431	
MOLYBDENUM	14	16	4.9		5	5.3		5		3.5	
NICKEL	190		33.6		36.1	33.8		29.6		117	
SELENIUM	1.9	14	*0.17*		*0.13*	*0.15*		0.4		0.3	
SILVER	17		*0.17*		*0.11*	*0.14*		*0.11*		*0.12*	
VANADIUM	37	44	29.1		27.5	24.5		18.4		18	
ZINC	140		98.7		72.1	63.7		63.1		92.7	
MERCURY	1.7	2.4	0.029				0.017		0.018		0.04
AROCLOR 1232	0.075		*0.014*	*0.014*	*0.014*	*0.014*		*0.014*		*0.014*	
AROCLOR 1242	0.075		*0.01*	*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	
AROCLOR 1248	0.075		*0.0093*	**0.41**	*0.0092*	*0.0092*		*0.0092*		*0.0092*	
AROCLOR 1254	0.075		*0.0031*	*0.0031*	0.039	*0.0031*		*0.0031*		0.045	
AROCLOR 1260	0.075		*0.0062*	*0.0062*	*0.0061*	*0.0061*		*0.0061*		*0.0061*	
4,4'-DDE	0.16		*0.00031*	*0.00031*	*0.00031*	*0.00031*		*0.00031*		0.002	
ALDRIN	0.01		*0.00051*	*0.00052*	*0.00051*	*0.00051*		*0.00051*		*0.00051*	
ALPHA-BHC	0.003		*0.00062*	*0.00062*	*0.00061*	*0.00061*		*0.00061*		*0.00061*	
GAMMA-CHLORDANE	0.083		*0.00031*	*0.00031*	*0.00031*	*0.00031*		*0.00031*		*0.00031*	
HEPTACHLOR EPOXIDE	0.011		*0.00051*	*0.00052*	*0.00051*	*0.00051*		*0.00051*		0.002	
BENZO(A)ANTHRACENE	0.55		0.018	*0.0041*	0.075	*0.0041*		*0.0041*		*0.0041*	
BENZO(A)PYRENE	0.55		*0.0068*	*0.0069*	0.095	*0.0068*		*0.0068*		0.045	
BENZO(B)FLUORANTHENE	0.55		*0.0096*	*0.0096*	0.12	*0.0095*		*0.0095*		0.074	
BENZO(K)FLUORANTHENE	0.55		*0.0082*	*0.0083*	0.056	*0.0081*		*0.0081*		*0.0081*	
PHTHALATE	0.55		0.074	0.47	0.34	0.076		0.076		0.3	
CHRYSENE	0.55		0.012	*0.0041*	0.06	*0.0041*		*0.0041*		*0.0041*	
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	*0.0069*	*0.0068*	*0.0068*		*0.0068*		*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*	*0.0069*	0.029	*0.0068*		*0.0068*		*0.0068*	
BENZENE	0.0060		*0.0034*	*0.0029*	*0.0030*	*0.0027*		*0.0029*		*0.0042*	
2,3,7.8-TCDD ($x10^6$)	3		**4.2**			**4.2**		**4.2**			

Highlight indicates grid did not achieve at least 1 RG.
Bold indicates an RG failure or missing data
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Highlight indicates second analysis of the same sample

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-C01-090709	WS-C02-080428	WS-C02-090730	WS-C03-080620	WS-C03-090730	WS-C03-081111	WS-C04-080623	WS-C05-080620	WS-C06-080624
ALUMINUM	21000	24000		1380		12700			10600	13000	13800
ANTIMONY	1.9	2.2		0.45		0.2			0.54	0.37	0.38
ARSENIC	13	30		8.1		**14.9**			11.3	10.5	9.2
BARIUM	210	220		70.3		104			84.9	92.3	80.4
BERYLLIUM	2.1			0.52		0.9			0.77	0.71	0.75
BORON	31	35		8		7.1			12.9	21.2	10.9
CADMIUM	0.57	1.3		0.43		0.25			0.43	*0.013*	*0.017*
CHROMIUM	31	35		**46.9**		22.4			17.9	24.6	20.2
COBALT	21	30		8.4		13.7			11.6	14.7	15.2
COPPER	34			24.4		33.7			30.6	**35.4**	**37.4**
LEAD	100			31.8		17			18.2	11.7	13.8
MANGANESE	3650			286		483			442	453	315
MOLYBDENUM	14	16		3.6		4.4			5.7	4.6	4.4
NICKEL	190			22.7		37.5			36.3	36.2	33.4
SELENIUM	1.9	14		0.4		*0.14*			0.22	0.17	0.34
SILVER	17			0.18		*0.12*			*0.13*	*0.12*	*0.15*
VANADIUM	37	44		23.4		22			18.2	19.2	22.1
ZINC	140			78.9		79.9			80.1	72.2	74.8
MERCURY	1.7	2.4	0.04		0.065		0.031				
AROCLOR 1232	0.075			*0.014*		*0.014*			*0.014*	*0.014*	*0.014*
AROCLOR 1242	0.075			*0.01*		*0.01*			*0.01*	*0.01*	*0.01*
AROCLOR 1248	0.075			*0.0092*		*0.0092*			*0.0092*	*0.0092*	*0.0092*
AROCLOR 1254	0.075			0.016		*0.0031*			*0.0031*	*0.0031*	*0.0031*
AROCLOR 1260	0.075			*0.0061*		*0.0062*			*0.0061*	*0.0061*	*0.0061*
4,4'-DDE	0.16			*0.00031*		*0.00031*			*0.00031*	*0.00031*	*0.00031*
ALDRIN	0.01			*0.00051*		*0.00051*			*0.00051*	*0.00051*	*0.00051*
ALPHA-BHC	0.003			*0.00061*		*0.00062*			*0.00061*	*0.00061*	*0.00061*
GAMMA-CHLORDANE	0.083			*0.00031*		*0.00031*			*0.00031*	*0.00031*	*0.00031*
HEPTACHLOR EPOXIDE	0.011			*0.00051*		*0.00051*			*0.00051*	*0.00051*	*0.00051*
BENZO(A)ANTHRACENE	0.55			*0.0041*		*0.0041*			*0.0041*	*0.0041*	*0.0041*
BENZO(A)PYRENE	0.55			*0.0068*		*0.0068*			*0.0068*	*0.0068*	*0.0068*
BENZO(B)FLUORANTHENE	0.55			*0.0095*		*0.0096*			*0.0095*	*0.0095*	*0.0095*
BENZO(K)FLUORANTHENE	0.55			*0.0082*		*0.0082*			*0.0081*	*0.0081*	*0.0082*
PHTHALATE	0.55			0.53		*0.027*			0.067	0.083	0.091
CHRYSENE	0.55			*0.0041*		*0.0041*			0.048	*0.0041*	*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*		*0.0068*			*0.0068*	*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55			*0.0068*		*0.0068*			*0.0068*	*0.0068*	*0.0068*
BENZENE	0.0060			*0.0029*		**0.0360**		0.0032	*0.0029*	*0.0030*	*0.0035*
2,3,7.8-TCDD ($x10^6$)	3					**6.4**			**6.4**	**4.2**	2.3

Highlight indicates grid did not achieve at least 1 RG
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Highlight indicates second analysis of the same sam

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-D01-080430	WS-D01-090709	WS-D02-080429	WS-D02-090730	WS-D03-080620	WS-D03-090727	WS-D03-081111	WS-D04-080623	WS-D04-090319
ALUMINUM	21000	24000	14900		13100		12100			11600	
ANTIMONY	1.9	2.2	0.3		0.43		0.57			0.47	
ARSENIC	13	30	7.4		11.9		**13.9**			**14.3**	
BARIUM	210	220	81.8		108		91.1			83.2	
BERYLLIUM	2.1		0.62		0.98		0.8			0.78	
BORON	31	35	5.5		8.7		10.2			4.8	
CADMIUM	0.57	1.3	**1.1**		0.13		0.31			0.48	
CHROMIUM	31	35	19		20.3		18.4			17	
COBALT	21	30	10.2		13		13.2			12.1	
COPPER	34		28.7		31.8		33.7			**35**	
LEAD	100		30.8		11.2		13			25.4	
MANGANESE	3650		491		448		461			657	
MOLYBDENUM	14	16	3.9		4.5		5.3			5.3	
NICKEL	190		27		40.1		38.3			36.1	
SELENIUM	1.9	14	0.64		*0.16*		*0.14*			0.4	
SILVER	17		*0.14*		*0.14*		*0.18*			*0.12*	
VANADIUM	37	44	20.7		21		19.1			18.2	
ZINC	140		105		79.1		84.9			84.8	
MERCURY	1.7	2.4		0.19		0.52		0.017			
AROCLOR 1232	0.075		*0.014*		*0.014*		*0.014*			*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*		*0.01*		*0.01*			*0.01*	*0.01*
AROCLOR 1248	0.075		*0.0091*		*0.0093*		*0.0093*			*0.0092*	*0.0091*
AROCLOR 1254	0.075		0.026		*0.0031*		*0.0031*			**0.13**	0.021
AROCLOR 1260	0.075		*0.0061*		*0.0062*		*0.0062*			*0.0061*	*0.006*
4,4'-DDE	0.16		*0.0003*		*0.00031*		*0.0003*			*0.0003*	
ALDRIN	0.01		*0.00051*		*0.00051*		*0.0005*			*0.0005*	
ALPHA-BHC	0.003		*0.00061*		*0.00062*		*0.0006*			*0.0006*	
GAMMA-CHLORDANE	0.083		*0.0003*		*0.00031*		*0.0003*			*0.0003*	
HEPTACHLOR EPOXIDE	0.011		*0.00051*		*0.00051*		*0.0005*			*0.0005*	
BENZO(A)ANTHRACENE	0.55		*0.004*		*0.0041*		*0.0041*			0.19	
BENZO(A)PYRENE	0.55		0.046		*0.0068*		*0.0068*			0.2	
BENZO(B)FLUORANTHENE	0.55		0.066		*0.0096*		0.025			0.27	
BENZO(K)FLUORANTHENE	0.55		*0.0081*		*0.0082*		*0.0082*			0.11	
PHTHALATE	0.55		0.3		0.33		0.062			0.083	
CHRYSENE	0.55		*0.004*		*0.0041*		*0.0041*			0.22	
DIBENZ(A,H)ANTHRACENE	0.55		*0.0067*		*0.0068*		*0.0068*			*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55		*0.0067*		*0.0068*		*0.0068*			0.11	
BENZENE	0.0060		*0.0027*		*0.0031*		**0.0180**		0.0022	*0.0030*	
2,3,7.8-TCDD (x10^6)	3						**6.4**			**6.4**	

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Highlight indicates second analysis of the same sam

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-D05-080620	WS-D06-080619	WS-D07-080619	WS-E01-080430	WS-E01-090709	WS-E02-080428	WS-E03-080619	WS-E04-080613
ALUMINUM	21000	24000	15800	15600	16300	15200		15700	11500	11300
ANTIMONY	1.9	2.2	0.37	0.33	0.4	0.38		0.7	0.47	0.43
ARSENIC	13	30	9	10	10	8.3		**13.7**	**14**	12.3
BARIUM	210	220	81	116	100	75.5		91.7	88.9	85.5
BERYLLIUM	2.1		0.78	1	0.95	0.75		0.8	0.79	0.72
BORON	31	35	15.3	14.1	18.2	4.1		8.4	15.8	16.6
CADMIUM	0.57	1.3	*0.013*	*0.014*	*0.012*	**0.73**		**2.8**	0.15	*0.014*
CHROMIUM	31	35	21.3	21.6	21.9	19.8		23.5	17.8	18.1
COBALT	21	30	11.4	16.5	14.4	12.1		13.4	11.7	13.4
COPPER	34		**40.2**	**36.7**	**38.2**	26.9		**46.2**	28.1	**34.7**
LEAD	100		13.4	12.8	13	30.9		30.5	10.5	20.7
MANGANESE	3650		264	446	349	709		388	435	429
MOLYBDENUM	14	16	4.4	4.5	4.7	4.2		5.1	5.8	5.5
NICKEL	190		30.3	35.2	33.2	31.2		51.7	30.1	34.6
SELENIUM	1.9	14	0.26	0.27	0.52	0.58		0.33	*0.15*	0.3
SILVER	17		*0.12*	*0.13*	*0.11*	*0.15*		*0.14*	*0.13*	*0.12*
VANADIUM	37	44	23.8	23	24.4	22.9		26.3	19.3	19.4
ZINC	140		74.2	67.8	77.4	96.1		109	72.4	69.7
MERCURY	1.7	2.4					0.033			
AROCLOR 1232	0.075		*0.014*	*0.014*	*0.014*	*0.014*		*0.014*	*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*	*0.01*	*0.01*		*0.01*	*0.01*	*0.01*
AROCLOR 1248	0.075		*0.0092*	*0.0092*	*0.0092*	*0.0092*		*0.0092*	*0.0092*	*0.0091*
AROCLOR 1254	0.075		*0.0031*	*0.0031*	*0.0031*	0.01		0.072	*0.0031*	*0.003*
AROCLOR 1260	0.075		*0.0061*	*0.0061*	*0.0061*	*0.0061*		*0.0062*	*0.0061*	*0.0061*
4,4'-DDE	0.16		*0.0003*	*0.0003*	*0.0003*	0.001		*0.0003*	*0.0003*	*0.0003*
ALDRIN	0.01		*0.0005*	*0.0005*	*0.0005*	*0.0005*		*0.0005*	*0.0005*	*0.0005*
ALPHA-BHC	0.003		*0.0006*	*0.0006*	*0.0006*	*0.0006*		*0.0006*	*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*	*0.0003*	*0.0003*		*0.0003*	*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011		*0.0005*	*0.0005*	*0.0005*	0.001		0.001	*0.0005*	*0.0005*
BENZO(A)ANTHRACENE	0.55		*0.0041*	*0.0041*	*0.0041*	0.024		*0.0041*	*0.0041*	*0.0041*
BENZO(A)PYRENE	0.55		*0.0068*	*0.0068*	*0.0068*	0.039		*0.0068*	*0.0068*	*0.0068*
BENZO(B)FLUORANTHENE	0.55		*0.0095*	*0.0095*	*0.0095*	0.053		*0.0096*	*0.0095*	*0.0095*
BENZO(K)FLUORANTHENE	0.55		*0.0082*	*0.0082*	*0.0082*	*0.0082*		*0.0082*	*0.0081*	*0.0081*
PHTHALATE	0.55		0.09	0.056	0.063	0.31		0.33	0.057	0.049
CHRYSENE	0.55		*0.0041*	*0.0041*	*0.0041*	0.027		*0.0041*	*0.0041*	*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	*0.0068*	*0.0068*	*0.0068*		*0.0068*	*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*	*0.0068*	*0.0068*	*0.0068*		*0.0068*	*0.0068*	*0.0068*
BENZENE	0.0060		*0.0029*	*0.0035*	*0.0044*	*0.0028*		*0.0032*	*0.0030*	*0.0031*
2,3,7.8-TCDD (x10^6)	3		2.3	2.3	2.3				**9.1**	**9.1**

Highlight indicates grid did not achieve at least 1 RG
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Highlight indicates second analysis of the same sam

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-E05-080613	WS-E05-081110	WS-E06-080613	WS-E07-080613	WS-E08-080616	WS-F01-080429	WS-F02-080429	WS-F03-080619	WS-F04-080616
ALUMINUM	21000	24000	14200		12100	14000		16100	15800	12500	12500
ANTIMONY	1.9	2.2	0.39		0.46	0.37		0.33	1.3	1	0.65
ARSENIC	13	30	9.9		10.9	9.8		11	12.8	**13.4**	**13.7**
BARIUM	210	220	68.4		99.1	91.7		78.8	107	102	85.6
BERYLLIUM	2.1		0.61		0.82	0.91		0.71	0.78	0.79	0.75
BORON	31	35	11.2		18.6	14.9		4.2	13.4	13	14.7
CADMIUM	0.57	1.3	*0.018*		*0.019*	*0.013*		**0.62**	**1.1**	**2**	**0.92**
CHROMIUM	31	35	19.8		18.2	20.9		21.7	28.4	22.3	20.8
COBALT	21	30	9.4		14.9	15.3		10.9	13.2	15.1	13
COPPER	34		**37**		**34.3**	**39.1**		**54.6**	**63.3**	**44.5**	**36.4**
LEAD	100		16.8		11.4	12.6		47.2	57.8	57.5	50.4
MANGANESE	3650		225		472	384		463	379	418	426
MOLYBDENUM	14	16	4		4.6	5.2		4.7	5.3	5.7	6.7
NICKEL	190		31.4		37.1	36.6		42	50.5	51.5	40.8
SELENIUM	1.9	14	0.26		*0.16*	0.35		0.46	0.26	*0.13*	0.36
SILVER	17		*0.17*		*0.17*	*0.12*		*0.14*	0.24	0.51	0.34
VANADIUM	37	44	22.2		19.6	22.2		23.1	25.6	20.6	19.9
ZINC	140		68.7		66	78.9		119	140	123	**183**
MERCURY	1.7	2.4									
AROCLOR 1232	0.075		*0.014*	*0.014*	*0.014*	*0.014*	*0.014*	*0.014*	*0.014*	*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
AROCLOR 1248	0.075		*0.0092*	*0.0091*	*0.0092*	*0.0092*	*0.0092*	*0.009*	*0.0092*	*0.0092*	*0.0092*
AROCLOR 1254	0.075		**0.082**	0.053	*0.0031*	*0.0031*	**0.27**	0.052	0.068	0.043	*0.0031*
AROCLOR 1260	0.075		*0.0061*	*0.0061*	*0.0061*	*0.0061*	*0.0061*	*0.0061*	*0.0061*	*0.0061*	*0.0061*
4,4'-DDE	0.16		*0.0003*		*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*
ALDRIN	0.01		*0.0005*		*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*
ALPHA-BHC	0.003		*0.0006*		*0.0006*	*0.0006*	*0.0006*	*0.0006*	*0.0006*	*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*		*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011		*0.0005*		*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*
BENZO(A)ANTHRACENE	0.55		*0.0041*		*0.0041*	*0.0041*	0.042	0.045	0.031	*0.0041*	*0.0041*
BENZO(A)PYRENE	0.55		*0.0068*		*0.0068*	*0.0068*	0.039	0.061	0.039	*0.0068*	*0.0068*
BENZO(B)FLUORANTHENE	0.55		0.026		*0.0095*	*0.0095*	0.056	0.068	0.049	0.022	0.022
BENZO(K)FLUORANTHENE	0.55		*0.0081*		*0.0082*	*0.0081*	0.022	*0.0081*	*0.0081*	*0.0081*	*0.0081*
PHTHALATE	0.55		0.081		0.053	0.065	0.057	0.34	0.37	0.061	0.064
CHRYSENE	0.55		*0.0041*		*0.0041*	*0.0041*	0.038	0.083	0.023	*0.0041*	*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*		*0.0068*	*0.0068*	*0.0068*	*0.0068*	*0.0068*	*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*		*0.0068*	*0.0068*	*0.0068*	0.019	0.012	*0.0068*	*0.0068*
BENZENE	0.0060		*0.0035*		*0.0030*	*0.0028*	*0.0037*	*0.0030*	*0.0029*	*0.0033*	*0.0030*
2,3,7.8-TCDD ($x10^6$)	3		2.5		2.5	**4.3**	**4.3**			**9.1**	**9.1**

Highlight indicates grid did not achieve at least 1 RG
Bold indicates an RG failure or missing data
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Highlight indicates second analysis of the same sam

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-F05-080612	WS-F06-080612	WS-F07-080617	WS-F07-090728	WS-F08-080618	WS-F08-090728	WS-G01-080501	WS-G02-080618	WS-G03-080619
ALUMINUM	21000	24000	11700	15100	13300		13100		17700	13100	11000
ANTIMONY	1.9	2.2	0.71	0.52	0.48		0.33		0.32	0.77	0.55
ARSENIC	13	30	12.1	**15.9**	11.9		9.7		10.8	**15**	**13.9**
BARIUM	210	220	65	76.4	70.5		83.2		89.4	92.2	84.5
BERYLLIUM	2.1		0.55	0.95	0.48		0.58		0.79	0.77	0.76
BORON	31	35	7.3	13.8	7.7		5.8		6.4	9.3	9.2
CADMIUM	0.57	1.3	**0.85**	0.42	**0.89**		**0.72**		0.53	**0.88**	0.27
CHROMIUM	31	35	18.3	21	22.9		20.3		24.9	21.6	16.7
COBALT	21	30	11.5	**33.9**	13.7		11.7		14.5	13.6	10.8
COPPER	34		31.6	33.2	21.9		20.8		**60.9**	**45.6**	29.2
LEAD	100		**106**	12	22.9		36.7		34.9	60.3	12.3
MANGANESE	3650		258	308	409		642		762	440	395
MOLYBDENUM	14	16	4.9	5.3	4.2		4.8		4.6	5.8	5.4
NICKEL	190		46.4	35	31.4		41.5		50.5	39.6	30.1
SELENIUM	1.9	14	0.39	0.37	0.48		0.39		0.27	0.22	0.22
SILVER	17		0.18	*0.18*	*0.15*		0.13		*0.13*	0.23	*0.11*
VANADIUM	37	44	22	24.1	23.6		21.8		27.1	21.3	16.6
ZINC	140		86	76.2	82		99.5		98.6	114	67.6
MERCURY	1.7	2.4				0.043		0.076			
AROCLOR 1232	0.075		*0.014*	*0.014*	*0.014*		*0.014*		*0.014*	*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*	*0.01*		*0.01*		*0.01*	*0.01*	*0.01*
AROCLOR 1248	0.075		*0.0092*	*0.0092*	*0.0092*		*0.0092*		*0.0092*	*0.0092*	*0.0091*
AROCLOR 1254	0.075		**0.51**	*0.0031*	0.054		0.051		0.024	0.014	*0.003*
AROCLOR 1260	0.075		*0.0061*	*0.0062*	*0.0061*		*0.0061*		*0.0062*	*0.0061*	*0.0061*
4,4'-DDE	0.16		*0.0003*	*0.0003*	*0.0003*		0.0032		0.0041	*0.0003*	*0.0003*
ALDRIN	0.01		*0.0005*	*0.0005*	*0.0005*		*0.0005*		*0.0005*	*0.0005*	*0.0005*
ALPHA-BHC	0.003		*0.0006*	*0.0006*	*0.0006*		*0.0006*		*0.0006*	*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*	*0.0003*		*0.0003*		*0.0003*	*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011		*0.0005*	*0.0005*	0.0016		*0.0005*		0.001	*0.0005*	*0.0005*
BENZO(A)ANTHRACENE	0.55		0.1	*0.0041*	*0.0041*		0.05		0.036	*0.0041*	*0.0041*
BENZO(A)PYRENE	0.55		0.11	*0.0068*	*0.0068*		0.052		0.051	*0.0068*	*0.0068*
BENZO(B)FLUORANTHENE	0.55		0.14	*0.0096*	0.027		0.095		0.059	*0.0095*	*0.0095*
BENZO(K)FLUORANTHENE	0.55		0.071	*0.0082*	*0.0081*		0.04		0.036	*0.0082*	*0.0081*
PHTHALATE	0.55		0.038	0.057	0.053		0.13		0.3	0.1	0.078
CHRYSENE	0.55		0.11	*0.0041*	*0.0041*		0.071		0.04	*0.0041*	*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	*0.0068*	*0.0068*		*0.0068*		*0.0068*	*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		0.069	*0.0068*	*0.0068*		*0.0068*		0.016	*0.0068*	*0.0068*
BENZENE	0.0060		*0.0027*	*0.0030*	*0.0034*		*0.0030*		*0.0039*	*0.0044*	*0.0027*
2,3,7.8-TCDD ($x10^6$)	3		2.5	2.5	**4.3**		**4.3**			**5.6**	**5.6**

Highlight indicates grid did not achieve at least 1 RG
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Highlight indicates second analysis of the same sam

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-G04-080616	WS-G05-080613	WS-G05-090319	WS-G06-080616	WS-G07-080617	WS-H01-080501	WS-H01-090728	WS-H02-080618	WS-H03-080619
ALUMINUM	21000	24000	11600			12800	12800	17400		12600	10100
ANTIMONY	1.9	2.2	0.57			0.49	0.97	0.33		0.78	0.46
ARSENIC	13	30	**13.4**			**13.7**	9.2	10.8		12.5	12.4
BARIUM	210	220	77.1			75.4	110	102		91.1	63.9
BERYLLIUM	2.1		0.75			0.84	0.64	0.88		0.75	0.68
BORON	31	35	11			8.8	7.4	15.1		13.3	8.2
CADMIUM	0.57	1.3	0.38			0.46	**2.4**	**1.1**		**0.69**	0.3
CHROMIUM	31	35	17.3			19.3	23.8	24.5		19.8	15.5
COBALT	21	30	12.7			16	**24.6**	14.7		13.3	11
COPPER	34		28			23.9	**37.7**	33.1		**41.9**	29.7
LEAD	100		9.8			12.3	61.2	25.2		26.3	9.7
MANGANESE	3650		404			426	982	787		509	405
MOLYBDENUM	14	16	5.9			5.4	5.5	5.5		5.8	5
NICKEL	190		30.5			34.7	128	43.2		45.9	27.8
SELENIUM	1.9	14	0.38			0.3	0.47	0.36		0.24	0.12
SILVER	17		*0.13*			*0.12*	0.42	*0.14*		*0.17*	*0.095*
VANADIUM	37	44	19.1			21.6	21	28.4		19.9	16.7
ZINC	140		67.5			74.7	**175**	114		99.6	61.8
MERCURY	1.7	2.4							0.047		
AROCLOR 1232	0.075		*0.014*	*0.014*	*0.014*	*0.014*	*0.014*	*0.014*		*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*		*0.01*	*0.01*
AROCLOR 1248	0.075		*0.0092*	*0.0092*	*0.0091*	*0.0092*	*0.0093*	*0.0092*		*0.0092*	*0.0091*
AROCLOR 1254	0.075		*0.0031*	**0.12**	**0.66**	*0.0031*	**0.2**	0.013		*0.0031*	*0.003*
AROCLOR 1260	0.075		*0.0061*	*0.0062*	*0.006*	*0.0061*	*0.0062*	*0.0062*		*0.0061*	*0.0061*
4,4'-DDE	0.16		*0.0003*	*0.0003*		*0.0003*	0.0041	0.0021		*0.0003*	*0.0003*
ALDRIN	0.01		*0.0005*	*0.0005*		*0.0005*	*0.0005*	*0.0005*		*0.0005*	*0.0005*
ALPHA-BHC	0.003		*0.0006*	*0.0006*		*0.0006*	*0.0006*	*0.0006*		*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*		*0.0003*	*0.0003*	*0.0003*		*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011		*0.0005*	*0.0005*		*0.0005*	0.0025	*0.0005*		*0.0005*	*0.0005*
BENZO(A)ANTHRACENE	0.55		*0.0041*	0.059		*0.0041*	0.1	0.041		*0.0041*	*0.0041*
BENZO(A)PYRENE	0.55		*0.0068*	0.07		*0.0068*	0.1	0.06		*0.0068*	*0.0068*
BENZO(B)FLUORANTHENE	0.55		*0.0095*	0.093		*0.0095*	0.15	0.086		0.019	*0.0095*
BENZO(K)FLUORANTHENE	0.55		*0.0081*	0.04		*0.0082*	0.064	0.044		*0.0082*	*0.0081*
PHTHALATE	0.55		0.054	*0.027*		0.12	0.1	0.25		0.072	0.085
CHRYSENE	0.55		*0.0041*	0.071		*0.0041*	0.1	0.041		*0.0041*	*0.0041*
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	*0.0068*		*0.0068*	*0.0068*	*0.0068*		*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*	*0.0068*		*0.0068*	*0.0068*	0.016		*0.0068*	*0.0068*
BENZENE	0.0060		*0.0028*	*0.0032*		*0.0044*	***0.0070***	*0.0035*		*0.0031*	*0.0025*
2,3,7.8-TCDD ($x10^6$)	3		**6.3**	**6.3**		**12.6**	**12.6**			**5.6**	**5.6**

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Highlight indicates second analysis of the same sam

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-H04-080616	WS-H05-080613	WS-H05-081110	WS-H06-080617	WS-I01-080501	WS-I02-080618	WS-I03-080618	WS-I04-080617	WS-I05-080617
ALUMINUM	21000	24000	10600			14700	13200	11400	9990	11200	13600
ANTIMONY	1.9	2.2	0.45			0.47	0.63	0.61	0.81	0.46	0.3
ARSENIC	13	30	**13.8**			11.8	9.3	8.3	**13.1**	**13.4**	11.5
BARIUM	210	220	72.4			96	81.6	81.3	71.9	72.6	84
BERYLLIUM	2.1		0.69			0.8	0.56	0.67	0.66	0.7	0.75
BORON	31	35	9			12.6	6.5	6.4	13	5.6	9.2
CADMIUM	0.57	1.3	0.42			**1.1**	**2.3**	*0.02*	**1.5**	0.4	**1.6**
CHROMIUM	31	35	16.5			24.4	20.5	18.6	16.6	17.3	24.3
COBALT	21	30	11.9			17.3	10.4	13.7	14.6	12.1	**34.7**
COPPER	34		21.5			27.4	27.7	**39.8**	25.5	29.9	26.9
LEAD	100		9.2			28.7	38.9	36	15.5	12.5	20.1
MANGANESE	3650		465			741	699	533	434	408	446
MOLYBDENUM	14	16	5.4			5.9	4.1	5.7	6.1	5.6	6
NICKEL	190		28.8			27.5	28.4	34.1	31.8	31.4	66.7
SELENIUM	1.9	14	0.25			0.28	0.41	0.36	*0.2*	0.22	0.23
SILVER	17		*0.12*			*0.15*	0.25	*0.18*	*0.18*	*0.14*	*0.16*
VANADIUM	37	44	18.7			23.8	21.6	18.5	17.6	19	21.4
ZINC	140		66.3			95.2	95.2	94.4	75.3	73	102
MERCURY	1.7	2.4									
AROCLOR 1232	0.075		*0.014*	*0.014*	*0.014*	*0.014*	*0.015*	*0.014*	*0.014*	*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*	*0.01*	*0.01*	*0.011*	*0.01*	*0.01*	*0.01*	*0.01*
AROCLOR 1248	0.075		*0.0092*	*0.0092*	*0.0092*	*0.0092*	*0.0096*	*0.0091*	*0.0091*	*0.0092*	*0.0092*
AROCLOR 1254	0.075		*0.0031*	**0.094**	**0.089**	*0.0031*	0.026	*0.003*	*0.003*	0.041	0.023
AROCLOR 1260	0.075		*0.0061*	*0.0061*	*0.0061*	*0.0062*	*0.0064*	*0.0061*	*0.0061*	*0.0061*	*0.0062*
4,4'-DDE	0.16		*0.0003*	*0.0003*		*0.0003*	0.0021	*0.0003*	*0.0003*	*0.0003*	*0.0003*
ALDRIN	0.01		*0.0005*	*0.0005*		*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*
ALPHA-BHC	0.003		*0.0006*	*0.0006*		*0.0006*	*0.0006*	*0.0006*	*0.0006*	*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*		*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011		*0.0005*	*0.0005*		0.0017	0.0043	*0.0005*	*0.0005*	*0.0005*	*0.0005*
BENZO(A)ANTHRACENE	0.55		*0.0041*	0.023		0.02	0.044	*0.0041*	*0.004*	*0.0041*	0.046
BENZO(A)PYRENE	0.55		*0.0068*	0.02		*0.0068*	0.047	*0.0068*	*0.0067*	*0.0068*	0.046
BENZO(B)FLUORANTHENE	0.55		*0.0095*	0.028		0.03	0.092	*0.0095*	*0.0094*	0.012	0.08
BENZO(K)FLUORANTHENE	0.55		*0.0081*	0.018		*0.0082*	*0.0085*	*0.0081*	*0.0081*	*0.0081*	0.034
PHTHALATE	0.55		0.12	0.049		0.16	0.1	0.074	0.09	0.048	*0.027*
CHRYSENE	0.55		*0.0041*	0.023		0.019	0.058	*0.0041*	0.053	*0.0041*	0.048
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	*0.0068*		*0.0068*	*0.0071*	*0.0068*	*0.0067*	*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*	*0.0068*		*0.0068*	*0.0071*	*0.0068*	*0.0067*	*0.0068*	*0.0068*
BENZENE	0.0060		*0.0028*	*0.0052*		*0.0045*	*0.0043*	*0.0034*	*0.0041*	*0.0030*	*0.0028*
2,3,7.8-TCDD ($x10^6$)	3		**6.3**	**6.3**	**12.6**			**10**	**10**	**9.4**	**9.4**

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Highlight indicates second analysis of the same sam

Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-I06-080617	WS-J01-080505	WS-J02-080624	WS-J03-080620	WS-J04-080617	WS-J05-080618	WS-K01-080505	WS-K02-080509	WS-K02-090727
ALUMINUM	21000	24000	12000	11800	12400	12600	12600	12200	11400	13100	
ANTIMONY	1.9	2.2	1.1	0.98	0.51	0.5	**2.2**	1.1	0.74	0.64	
ARSENIC	13	30	8.9	9.1	12.2	12.8	11.2	10.8	8.7	11.3	
BARIUM	210	220	102	101	85.9	81.9	84.4	82.9	91.2	97.2	
BERYLLIUM	2.1		0.55	0.63	0.66	0.65	0.57	0.61	0.6	0.73	
BORON	31	35	10.7	7.3	10.9	7.7	5.5	6.9	6.4	10.3	
CADMIUM	0.57	1.3	**4.7**	**1.5**	**1.1**	**1.1**	**1.2**	**0.94**	**2.2**	**0.73**	
CHROMIUM	31	35	26.9	18.5	19.6	20.3	21.1	18.3	18	21.8	
COBALT	21	30	**37.8**	12.5	13.3	11.6	17.6	13.9	11.2	12.5	
COPPER	34		**59.8**	**38**	**35.4**	27.4	**47.3**	29.7	22.6	25.8	
LEAD	100		50.6	46.3	35.9	31.3	63.6	32.9	44.6	33.5	
MANGANESE	3650		780	999	594	427	322	465	853	544	
MOLYBDENUM	14	16	10.7	4.9	5.3	5.1	10.5	6.5	5.3	5	
NICKEL	190		**268**	31.2	17.1	36.9	**221**	52.1	30.3	35	
SELENIUM	1.9	14	0.67	0.38	0.4	0.27	0.46	0.17	0.46	0.52	
SILVER	17		0.45	0.33	0.16	*0.13*	0.39	0.26	0.28	0.22	
VANADIUM	37	44	19.2	19	19.4	20.9	21.5	20.2	20.5	21.1	
ZINC	140		**176**	114	92.4	97.6	131	97.6	96.5	91.4	
MERCURY	1.7	2.4									0.07
AROCLOR 1232	0.075		*0.014*	*0.014*	*0.014*	*0.014*	*0.014*	*0.014*	*0.014*	*0.014*	
AROCLOR 1242	0.075		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	**0.69**	*0.01*	*0.01*	
AROCLOR 1248	0.075		*0.0093*	*0.0092*	*0.0092*	*0.0092*	*0.0093*	*0.0092*	*0.0093*	*0.0092*	
AROCLOR 1254	0.075		0.066	0.046	0.042	0.0092	**0.32**	**1**	0.045	0.024	
AROCLOR 1260	0.075		*0.0062*	*0.0062*	*0.0061*	*0.0061*	*0.0062*	*0.0062*	*0.0062*	*0.0061*	
4,4'-DDE	0.16		0.0042	0.0082	*0.0003*	*0.0003*	*0.0003*	0.015	0.0041	0.0041	
ALDRIN	0.01		0.00081	*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*	
ALPHA-BHC	0.003		*0.0006*	0.001	*0.0006*	*0.0006*	*0.0006*	*0.0006*	*0.0006*	*0.0006*	
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*	0.002	
HEPTACHLOR EPOXIDE	0.011		0.0066	0.0021	*0.0005*	0.0015	0.0018	0.0012	0.0021	0.0051	
BENZO(A)ANTHRACENE	0.55		0.063	0.12	*0.0041*	0.046	0.043	0.11	0.062	0.04	
BENZO(A)PYRENE	0.55		0.066	0.12	*0.0068*	0.052	0.047	0.1	0.063	0.037	
BENZO(B)FLUORANTHENE	0.55		0.11	0.2	*0.0095*	0.073	0.08	0.18	0.14	0.046	
BENZO(K)FLUORANTHENE	0.55		0.059	0.075	*0.0082*	0.037	0.04	0.067	*0.0082*	*0.035*	
PHTHALATE	0.55		0.4	0.26	0.11	0.078	0.11	0.098	0.16	0.049	
CHRYSENE	0.55		0.084	0.14	0.05	0.057	0.059	0.14	0.078	0.046	
DIBENZ(A,H)ANTHRACENE	0.55		*0.0069*	*0.0068*	*0.0068*	*0.0068*	*0.0069*	*0.0068*	*0.0068*	*0.027*	
INDENO(1,2,3-CD)PYRENE	0.55		*0.0069*	*0.0068*	*0.0068*	0.027	*0.0069*	*0.0068*	*0.0068*	*0.031*	
BENZENE	0.0060		*0.0038*	*0.0039*	*0.0031*	*0.0031*	*0.0029*	*0.0028*	*0.0054*	*0.0034*	
2,3,7.8-TCDD ($x10^6$)	3		**12.6**		**10**	**10**	**9.4**	**9.4**			

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Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-K02-080509	WS-K03-080509	WS-K03-090727	WS-K04-080513	WS-K04-080513	WS-K05-080509	WS-L01-080505	WS-L01-090728
ALUMINUM	21000	24000		10600		13900		11800	11100	
ANTIMONY	1.9	2.2		1.2		0.71		0.68	0.58	
ARSENIC	13	30		10		10.2		9.6	10.4	
BARIUM	210	220		79.8		72.2		68.9	83.2	
BERYLLIUM	2.1			0.51		0.54		0.51	0.61	
BORON	31	35		6.9		14.1		6	7.1	
CADMIUM	0.57	1.3		**0.66**		0.25		0.42	0.53	
CHROMIUM	31	35		17.4		19.3		19.3	17.3	
COBALT	21	30		9.3		8.2		8.8	10	
COPPER	34			18.8		**46.9**		17.2	20.8	
LEAD	100			48.6		31.1		30	38.6	
MANGANESE	3650			331		304		335	628	
MOLYBDENUM	14	16		4.7		4.2		4.7	4.8	
NICKEL	190			27.4		24.8		24.8	26.9	
SELENIUM	1.9	14		0.46		*0.13*		0.27	0.35	
SILVER	17			0.37		*0.14*		*0.13*	*0.13*	
VANADIUM	37	44		19.2		22.8		20.1	19.2	
ZINC	140			88.4		124		77.6	80.5	
MERCURY	1.7	2.4			0.092					0.085
AROCLOR 1232	0.075			*0.014*		*0.014*		*0.014*	*0.014*	
AROCLOR 1242	0.075			*0.01*		*0.01*		*0.01*	*0.01*	
AROCLOR 1248	0.075			*0.0092*		*0.0092*		*0.0092*	*0.0092*	
AROCLOR 1254	0.075			0.024		**0.15**		**0.44**	*0.0031*	
AROCLOR 1260	0.075			*0.0061*		*0.0061*		*0.0062*	*0.0062*	
4,4'-DDE	0.16		0.0027	0.0041		*0.0003*		0.0062	0.0041	
ALDRIN	0.01		*0.0005*	*0.0005*		*0.0005*		*0.0005*	*0.0005*	
ALPHA-BHC	0.003		*0.0006*	0.001		*0.0006*		*0.0006*	*0.0006*	
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*		*0.0003*		*0.0003*	*0.0003*	
HEPTACHLOR EPOXIDE	0.011		0.00092	0.0041		0.002		0.0031	0.001	
BENZO(A)ANTHRACENE	0.55			0.057		0.023	0.037	0.034	0.041	
BENZO(A)PYRENE	0.55			0.066		0.019	0.03	0.036	0.044	
BENZO(B)FLUORANTHENE	0.55			0.13		0.033	0.049	*0.0096*	0.1	
BENZO(K)FLUORANTHENE	0.55			*0.0081*		*0.0081*	*0.0081*	*0.0082*	*0.0082*	
PHTHALATE	0.55			0.2		0.24	0.258384	0.18	0.2	
CHRYSENE	0.55			0.088		0.027	0.044	0.048	0.055	
DIBENZ(A,H)ANTHRACENE	0.55			*0.0068*		*0.0068*	*0.0068*	*0.0068*	*0.0068*	
INDENO(1,2,3-CD)PYRENE	0.55			*0.0068*		*0.0068*	0.02	*0.0068*	*0.0068*	
BENZENE	0.0060			***0.0066***		*0.0039*		*0.0046*	*0.0049*	
2,3,7.8-TCDD ($x10^6$)	3									

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Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-L02-080508	WS-L02-090319	WS-L03-080508	WS-L04-080508	WS-L04-090728	WS-M01-080505	WS-M02-080507
ALUMINUM	21000	24000	11600		9480	14000		11200	11000
ANTIMONY	1.9	2.2	0.39		1	0.47		0.7	0.75
ARSENIC	13	30	10.2		8.4	**13.9**		9.4	8.6
BARIUM	210	220	79		68.3	93.1		94.8	82.6
BERYLLIUM	2.1		0.66		0.41	0.85		0.62	0.58
BORON	31	35	5.2		4.5	8		8.4	8.6
CADMIUM	0.57	1.3	**0.68**		**0.6**	**0.63**		**0.98**	0.23
CHROMIUM	31	35	17.6		16.1	20.9		17.7	19.8
COBALT	21	30	11.9		7.7	14.4		10.9	10.1
COPPER	34		22		16.9	24.1		21.7	22.6
LEAD	100		24.1		49	17.6		36.8	62.9
MANGANESE	3650		521		340	376		575	492
MOLYBDENUM	14	16	4.4		4.3	5.6		4.1	4.6
NICKEL	190		32.5		25.4	39.3		28.3	26.6
SELENIUM	1.9	14	0.71		0.39	0.45		0.56	0.7
SILVER	17		0.13		0.36	*0.12*		0.29	0.18
VANADIUM	37	44	18.2		17.4	23.1		19	18.1
ZINC	140		79		79.3	77.7		88.2	86.7
MERCURY	1.7	2.4					0.031		
AROCLOR 1232	0.075		*0.014*	*0.014*	*0.014*	*0.014*		*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*	*0.01*	*0.01*		*0.01*	*0.01*
AROCLOR 1248	0.075		**0.097**	*0.0092*	*0.0092*	*0.0092*		*0.0093*	*0.0092*
AROCLOR 1254	0.075		*0.0031*	*0.062*	*0.0031*	0.029		0.017	*0.0031*
AROCLOR 1260	0.075		*0.0061*	*0.0061*	*0.0061*	*0.0061*		*0.0062*	*0.0062*
4,4'-DDE	0.16		0.0031		0.0041	*0.0003*		0.0052	0.0041
ALDRIN	0.01		*0.0005*		*0.0005*	*0.0005*		*0.0005*	*0.0005*
ALPHA-BHC	0.003		*0.0006*		*0.0006*	*0.0006*		0.001	*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*		*0.0003*	*0.0003*		*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011		0.001		0.0061	*0.0005*		*0.0005*	0.0031
BENZO(A)ANTHRACENE	0.55		0.029		0.05	*0.0041*		0.044	0.06
BENZO(A)PYRENE	0.55		0.048		0.077	*0.0068*		0.044	0.07
BENZO(B)FLUORANTHENE	0.55		0.068		0.14	0.048		0.093	0.14
BENZO(K)FLUORANTHENE	0.55		0.035		0.058	*0.0082*		0.04	0.053
PHTHALATE	0.55		0.19		0.23	0.31		0.22	0.19
CHRYSENE	0.55		0.041		0.072	*0.0041*		0.069	0.087
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*		*0.0068*	*0.0068*		*0.0069*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		*0.0068*		*0.0068*	*0.0068*		*0.0069*	*0.0068*
BENZENE	0.0060		*0.0035*		*0.0026*	*0.0028*		*0.0052*	*0.0044*
2,3,7.8-TCDD (x10^6)	3								

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Analyte	Tier 1 RG (mg/kg)	Tier 2 RG (mg/kg)	WS-M03-080507	WS-M04-080507	WS-N01-080506	WS-N02-080506	WS-N03-080507	WS-O01-080506	WS-O02-080506
ALUMINUM	21000	24000	6770	7610	8980	15100	9090	14500	10300
ANTIMONY	1.9	2.2	1	1	0.45	0.59	0.68	0.78	1.1
ARSENIC	13	30	7.9	6.6	9.4	10.9	8.1	9.4	7.9
BARIUM	210	220	50.3	57.7	70.2	70.3	44.3	65.4	40.5
BERYLLIUM	2.1		0.3	0.34	0.51	0.7	0.22	0.68	0.39
BORON	31	35	*2.8*	4.3	9.6	7.5	3.4	6.2	4.2
CADMIUM	0.57	1.3	0.46	**0.6**	0.49	0.36	0.45	0.36	0.36
CHROMIUM	31	35	11.5	13	13.8	25.6	18.1	23.7	20.2
COBALT	21	30	6.7	7.9	10.6	8.9	4.9	8.7	4.8
COPPER	34		20.2	**79.9**	16.5	17.6	17.4	14.4	13.1
LEAD	100		64.5	72.5	29.7	35.5	47.6	34.4	43.1
MANGANESE	3650		251	301	448	323	188	340	196
MOLYBDENUM	14	16	4.8	5.2	4.1	4.5	4.4	5.1	5.1
NICKEL	190		18.5	21	22.6	23.7	18.5	19.6	15.6
SELENIUM	1.9	14	0.77	0.55	0.43	0.31	0.58	0.34	0.55
SILVER	17		0.32	0.24	*0.19*	*0.13*	0.14	*0.14*	0.16
VANADIUM	37	44	14.5	16.3	15.1	28	17	27	22.7
ZINC	140		**275**	**238**	81	69.6	72.7	59.1	49.4
MERCURY	1.7	2.4							
AROCLOR 1232	0.075		*0.014*	*0.014*	*0.014*	*0.014*	*0.014*	*0.014*	*0.014*
AROCLOR 1242	0.075		*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
AROCLOR 1248	0.075		*0.0092*	*0.0092*	*0.0092*	*0.0092*	*0.0092*	*0.0092*	*0.0092*
AROCLOR 1254	0.075		0.034	**0.3**	*0.0031*	*0.0031*	**0.17**	*0.0031*	*0.0031*
AROCLOR 1260	0.075		*0.0061*	*0.0062*	*0.0062*	*0.0061*	*0.0061*	*0.0061*	*0.0062*
4,4'-DDE	0.16		0.0041	0.0062	0.0051	0.0031	0.0051	0.002	0.0031
ALDRIN	0.01		0.001	*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*	*0.0005*
ALPHA-BHC	0.003		*0.0006*	*0.0006*	*0.0006*	*0.0006*	*0.0006*	*0.0006*	*0.0006*
GAMMA-CHLORDANE	0.083		*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*	*0.0003*
HEPTACHLOR EPOXIDE	0.011		0.0072	0.011	0.0021	0.0031	0.0061	*0.0005*	0.0062
BENZO(A)ANTHRACENE	0.55		**0.92**	**2.9**	0.046	0.041	0.12	0.035	0.074
BENZO(A)PYRENE	0.55		**0.9**	**2.6**	0.055	0.067	0.14	0.035	0.094
BENZO(B)FLUORANTHENE	0.55		**1.8**	**4.2**	0.11	0.11	0.25	0.073	0.2
BENZO(K)FLUORANTHENE	0.55		0.52	**1.2**	0.036	0.052	0.11	*0.0081*	0.081
PHTHALATE	0.55		0.15	0.23	0.22	0.23	0.31	0.16	0.25
CHRYSENE	0.55		**0.96**	**3.1**	0.063	0.054	0.15	0.042	0.11
DIBENZ(A,H)ANTHRACENE	0.55		*0.0068*	*0.014*	*0.0068*	*0.0068*	*0.0068*	*0.0068*	*0.0068*
INDENO(1,2,3-CD)PYRENE	0.55		0.23	**1.3**	*0.0068*	*0.0068*	*0.0068*	*0.0068*	*0.0068*
BENZENE	0.0060		*0.0047*	*0.0033*	*0.0042*	*0.0056*	*0.0034*	***0.0066***	***0.0066***
2,3,7,8-TCDD ($x10^6$)	3								

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