MEL Quality Control and Reporting Limits

Analysis: **PCBCongNOAA** Martix: **Sediment/Soil** Prep Method: **SW3541** Analysis Method: **SW8082A**

Analyte	LCS Rec	LCS_RPD	MS Rec	MS_RPD	Dup_RPD	Surr	MRL	MDL	UoM	CAS #
PCB-aroclor-1016	50 - 150	40	50 - 150	40	40		2.50	0.568	ug/Kg dw	12674-11-2
PCB-aroclor-1221					40		1.25	0.274	ug/Kg dw	11104-28-2
PCB-aroclor-1232					40		2.50	0.732	ug/Kg dw	11141-16-5
PCB-aroclor-1242					40		1.25	0.161	ug/Kg dw	53469-21-9
PCB-aroclor-1248					40		1.25	0.158	ug/Kg dw	12672-29-6
PCB-aroclor-1254					40		1.25	0.0382	ug/Kg dw	11097-69-1
PCB-aroclor-1260	50 - 150	40	50 - 150	40	40		1.25	0.142	ug/Kg dw	11096-82-5
PCB-aroclor-1262					40		1.25	0.0537	ug/Kg dw	37324-23-5
PCB-aroclor-1268					40		1.25	0.0625	ug/Kg dw	11100-14-4
PCB-008	50 - 150	40	50 - 150	40	40		0.250	0.0701	ug/Kg dw	34883-43-7
PCB-018	50 - 150	40	50 - 150	40	40		0.250	0.0677	ug/Kg dw	37680-65-2
PCB-028	50 - 150	40	50 - 150	40	40		0.250	0.0788	ug/Kg dw	7012-37-5
PCB-052	50 - 150	40	50 - 150	40	40		0.250	0.107	ug/Kg dw	35693-99-3
PCB-044	50 - 150	40	50 - 150	40	40		0.250	0.0808	ug/Kg dw	41464-39-5
PCB-066	50 - 150	40	50 - 150	40	40		0.250	0.0862	ug/Kg dw	32598-10-0
PCB-101	50 - 150	40	50 - 150	40	40		0.250	0.0872	ug/Kg dw	37680-73-2
PCB-077	50 - 150	40	50 - 150	40	40		0.250	0.0627	ug/Kg dw	32598-13-3
PCB-118	50 - 150	40	50 - 150	40	40		0.250	0.0855	ug/Kg dw	31508-00-6
PCB-153	50 - 150	40	50 - 150	40	40		0.250	0.0753	ug/Kg dw	35065-27-1
PCB-105	50 - 150	40	50 - 150	40	40		0.250	0.0711	ug/Kg dw	32598-14-4
PCB-138	50 - 150	40	50 - 150	40	40		0.250	0.0918	ug/Kg dw	35065-28-2
PCB-187	50 - 150	40	50 - 150	40	40		0.250	0.0841	ug/Kg dw	52663-68-0
PCB-126	50 - 150	40	50 - 150	40	40		0.250	0.0362	ug/Kg dw	57465-28-8
PCB-128	50 - 150	40	50 - 150	40	40		0.500	0.192	ug/Kg dw	38380-07-3
PCB-180	50 - 150	40	50 - 150	40	40		0.250	0.0886	ug/Kg dw	35065-29-3
PCB-170	50 - 150	40	50 - 150	40	40		0.250	0.085	ug/Kg dw	35065-30-6
PCB-169	50 - 150	40	50 - 150	40	40		0.500	0.052	ug/Kg dw	32774-16-6
PCB-195	50 - 150	40	50 - 150	40	40		0.500	0.227	ug/Kg dw	52663-78-2
PCB-206	50 - 150	40	50 - 150	40	40		0.250	0.102	ug/Kg dw	40186-72-9
PCB-209	50 - 150	40	50 - 150	40	40		0.500	0.14	ug/Kg dw	2051-24-3
surr: PCB-050						50 - 150				62796-65-0
surr: Tetrachloro-m-xylene						30 - 130				877-09-8
surr: HBBP						30 - 130				59080-40-9

MEL Quality Control and Reporting Limits

Analysis: **PBDENOAA** Martix: **Sediment/Soil** Prep Method: **SW3541** Analysis Method: **SW8270D**

Analyte	LCS Rec	LCS_RPD	MS Rec	MS_RPD	Dup_RPD	Surr	MRL	MDL	UoM	CAS #
PBDE-049	50 - 150	40	50 - 150	40	40		0.400	0.0411	ug/Kg dw	243982-82-3
PBDE-071	50 - 150	40	50 - 150	40	40		0.400	0.0434	ug/Kg dw	189084-62-6
PBDE-047	50 - 150	40	50 - 150	40	40		0.400	0.0565	ug/Kg dw	5436-43-1
PBDE-066	50 - 150	40	50 - 150	40	40		0.400	0.0441	ug/Kg dw	189084-61-5
PBDE-100	50 - 150	40	50 - 150	40	40		0.400	0.0413	ug/Kg dw	189084-64-8
PBDE-099	50 - 150	40	50 - 150	40	40		0.400	0.0855	ug/Kg dw	60348-60-9
PBDE-154	50 - 150	40	50 - 150	40	40		0.800	0.101	ug/Kg dw	207122-15-4
PBDE-153	50 - 150	40	50 - 150	40	40		0.800	0.11	ug/Kg dw	68631-49-2
PBDE-138	50 - 150	40	50 - 150	40	40		0.800	0.115	ug/Kg dw	182677-30-1
PBDE-184	50 - 150	40	50 - 150	40	40		0.800	0.0883	ug/Kg dw	117948-63-7
PBDE-183	50 - 150	40	50 - 150	40	40		0.800	0.0896	ug/Kg dw	207122-16-5
PBDE-191	50 - 150	40	50 - 150	40	40		0.800	0.1	ug/Kg dw	NULL
PBDE-209	50 - 150	40	50 - 150	40	40		2.00	0.176	ug/Kg dw	1163-19-5
surr: HBBP						50 - 150				59080-40-9

MEL Quality Control and Reporting Limits

Analysis: **PAH-phthalNOAA** Martix: **Sediment/Soil** Prep Method: **SW3541** Analysis Method: **SW8270D**

Analyte	LCS Rec	LCS_RPD	MS Rec	MS_RPD	Dup_RPD	Surr	MRL	MDL	UoM	CAS #
Naphthalene	50 - 150	40	50 - 150	40	40		2.00	0.29	ug/Kg dw	91-20-3
2-Methylnaphthalene	50 - 150	40	50 - 150	40	40		1.00	0.266	ug/Kg dw	91-57-6
1-Methylnaphthalene	50 - 150	40	50 - 150	40	40		1.00	0.151	ug/Kg dw	90-12-0
1,1'-Biphenyl	50 - 150	40	50 - 150	40	40		5.00	0.11	ug/Kg dw	92-52-4
2-Chloronaphthalene	50 - 150	40	50 - 150	40	40		2.00	0.461	ug/Kg dw	91-58-7
2,6-Dimethylnaphthalene	50 - 150	40	50 - 150	40	40		2.00	0.387	ug/Kg dw	581-42-0
Acenaphthylene	50 - 150	40	50 - 150	40	40		1.00	0.163	ug/Kg dw	208-96-8
Acenaphthene	50 - 150	40	50 - 150	40	40		2.00	0.94	ug/Kg dw	83-32-9
Dibenzofuran	50 - 150	40	50 - 150	40	40		1.00	0.623	ug/Kg dw	132-64-9
1,6,7-Trimethylnaphthalene	50 - 150	40	50 - 150	40	40		1.00	0.278	ug/Kg dw	2245-38-7
Fluorene	50 - 150	40	50 - 150	40	40		1.00	0.177	ug/Kg dw	86-73-7
9H-Fluorene, 1-methyl-	50 - 150	40	50 - 150	40	40		1.00	0.144	ug/Kg dw	1730-37-6
Dibenzothiophene	50 - 150	40	50 - 150	40	40		1.00	0.0662	ug/Kg dw	132-65-0
Phenanthrene	50 - 150	40	50 - 150	40	40		1.00	0.379	ug/Kg dw	85-01-8
Anthracene	50 - 150	40	50 - 150	40	40		1.00	0.154	ug/Kg dw	120-12-7
Carbazole	50 - 150	40	50 - 150	40	40		5.00	0.191	ug/Kg dw	86-74-8
2-Methylphenanthrene	50 - 150	40	50 - 150	40	40		1.00	0.411	ug/Kg dw	2531-84-2
4-Methyldibenzothiophene	50 - 150	40	50 - 150	40	40		1.00	0.255	ug/Kg dw	31317-07-4
1-Methylphenanthrene	50 - 150	40	50 - 150	40	40		5.00	0.138	ug/Kg dw	832-69-9
Phenanthrene, 3,6-dimethyl-	50 - 150	40	50 - 150	40	40		1.00	0.0746	ug/Kg dw	1576-67-6
Fluoranthene	50 - 150	40	50 - 150	40	40		1.00	0.0683	ug/Kg dw	206-44-0
Pyrene	50 - 150	40	50 - 150	40	40		2.00	0.0714	ug/Kg dw	129-00-0
2-Methylfluoranthene	50 - 150	40	50 - 150	40	40		1.00	0.144	ug/Kg dw	33543-31-6
Retene	50 - 150	40	50 - 150	40	40		5.00	0.18	ug/Kg dw	483-65-8
Benz[a]anthracene	50 - 150	40	50 - 150	40	40		1.00	0.15	ug/Kg dw	56-55-3
Chrysene	50 - 150	40	50 - 150	40	40		1.00	0.12	ug/Kg dw	218-01-9
5-Methylchrysene	50 - 150	40	50 - 150	40	40		1.00	0.0774	ug/Kg dw	3697-24-3
Benzo(b)fluoranthene	50 - 150	40	50 - 150	40	40		2.00	0.325	ug/Kg dw	205-99-2
Benzo(k)fluoranthene	50 - 150	40	50 - 150	40	40		2.00	0.177	ug/Kg dw	207-08-9
Benzo[e]pyrene	50 - 150	40	50 - 150	40	40		1.00	0.203	ug/Kg dw	192-97-2
Benzo(a)pyrene	50 - 150	40	50 - 150	40	40		2.00	0.169	ug/Kg dw	50-32-8
Perylene	50 - 150	40	50 - 150	40	40		1.00	0.111	ug/Kg dw	198-55-0
Indeno(1,2,3-cd)pyrene	50 - 150	40	50 - 150	40	40		1.00	0.103	ug/Kg dw	193-39-5
Dibenzo(a,h)anthracene	50 - 150	40	50 - 150	40	40		1.00	0.102	ug/Kg dw	53-70-3
Benzo(ghi)perylene	50 - 150	40	50 - 150	40	40		1.00	0.191	ug/Kg dw	191-24-2
Dimethyl phthalate	50 - 150	40	50 - 150	40	40		10.0	5.71	ug/Kg dw	131-11-3
Diethyl phthalate	50 - 150	40	50 - 150	40	40		10.0	4.58	ug/Kg dw	84-66-2
Di-N-Butylphthalate	50 - 150	40	50 - 150	40	40		10.0	3.18	ug/Kg dw	84-74-2

MEL Quality Control and Reporting Limits

Analysis: **PAH-phthalNOAA** Martix: **Sediment/Soil** Prep Method: **SW3541** Analysis Method: **SW8270D**

Analyte	LCS Rec	LCS_RPD	MS Rec	MS_RPD	Dup_RPD	Surr	MRL	MDL	UoM	CAS #
Butyl benzyl phthalate	50 - 150	40	50 - 150	40	40		25.0	2.36	ug/Kg dw	85-68-7
Bis(2-Ethylhexyl) Phthalate	50 - 150	40	50 - 150	40	40		25.0	3.12	ug/Kg dw	117-81-7
Di-N-Octyl Phthalate	50 - 150	40	50 - 150	40	40		25.0	2.03	ug/Kg dw	117-84-0
surr: Naphthalene-D8						20 - 200				1146-65-2
surr: 2-Methylnaphthalene-D10						20 - 200				7297-45-2
surr: 1-Methylnaphthalene-D10						20 - 200				38072-94-5
surr: Biphenyl-D10						20 - 200				1486-01-7
surr: 2-Chloronaphthalene-D7						20 - 200				NULL
surr: 2,6-Dimethylnaphthalene-D12						20 - 200				NULL
surr: Acenaphthylene-D8						20 - 200				93951-97-4
surr: Acenaphthene-D10						20 - 200				15067-26-2
surr: Fluorene-D10						20 - 200				81103-79-9
surr: Dibenzothiophene-D8						20 - 200				33262-29-2
surr: Phenanthrene-D10						20 - 200				1517-22-2
surr: Anthracene-D10						20 - 200				1719-06-8
surr: Fluoranthene-D10						20 - 200				93951-69-0
surr: Pyrene-D10						20 - 200				1718-52-1
surr: Benzo(a)anthracene-D12						20 - 200				NULL
surr: Chrysene-D12						20 - 200				1719-03-5
surr: Benzo(b)fluoranthene-D12						20 - 200				NULL
surr: Benzo(k)fluoranthene-D12						20 - 200				NULL
surr: Benzo(e)pyrene-D12						20 - 200				NULL
surr: Benzo(a)pyrene-D12						20 - 200				63466-71-7
surr: Perylene-D12						20 - 200				1520-96-3
surr: Indeno(1,2,3-cd)pyrene-D12						20 - 200				203578-33-0
surr: Dibenzo(a,h)anthracene-D14						20 - 200				NULL
surr: Benzo(g,h,i)perylene-D12						20 - 200				NULL
surr: Dimethylphthalate-D6						50 - 150				85448-30-2