

## **APPENDIX E: Quality Assurance Sample Results**

**Table E-1. Target reporting limits (RLs) by analyte and study participant.**

	CLAEMD	CRG	CSD	LACSD	OCSD	NOAA COAST	Target RL ug/kg
<b>Metals (Units = ug/kg)</b>							
Aluminum	50,000	5000	2000	500,000	50,000		
Antimony	1,000	100	300	200	100		<b>10,000</b>
Arsenic	500	100	330	2,000	150		<b>1,600</b>
Barium	500	100	20	10,000	100		
Beryllium	100	100	10	200	10		<b>200</b>
Cadmium	500	100	60	200	10		<b>90</b>
Chromium	500	100	100	2,000	150		<b>16,000</b>
Copper	500	100	200	2,000	100		<b>7,000</b>
Iron	250,000	5,000	9000	500,000	50,000		
Lead	250	100	800	2,000	100		<b>9,300</b>
Mercury	20	25	3	20	0.4		<b>30</b>
Nickel	500	100	10	2,000	100		<b>4,200</b>
Selenium	1,000	100	240	2,000	150		<b>1,000</b>
Silver	500	100	40	200	20		<b>200</b>
Zinc	1,000	100	200	10,000	150		<b>30,000</b>
<b>PAHs (units = ug/kg)</b>							
1,6,7-trimethylnaphthalene	50	5	20	50	2		<b>50</b>
1-methylnaphthalene	50	5	20	50	2		<b>50</b>
1-methylphenanthrene	50	5	20	50	2		<b>50</b>
2,6-dimethylnaphthalene	50	5	20	50	2		<b>50</b>
2-methylnaphthalene	50	5	20	50	2		<b>50</b>
Acenaphthene	50	5	20	50	2		<b>50</b>
Acenaphthylene	50	5	30	50	2		<b>50</b>
Anthracene	50	5	20	50	20		<b>50</b>
Benzo[a]anthracene	50	5	20	50	2		<b>50</b>
benzo[a]pyrene	50	5	20	50	2		<b>50</b>
benzo[b]fluoranthene	50	5	20	50	2		<b>50</b>
benzo[e]pyrene	50	5	20	50	2		<b>50</b>
benzo[ghi]perylene	100	5	20	100	2		<b>100</b>
benzo[k]fluoranthene	50	5	20	50	20		<b>50</b>

	CLAEMD	CRG	CSD	LACSD	OCSD	NOAA COAST	Target RL ug/kg
biphenyl	50	5	30	50	2		50
chrysene	50	5	40	50	2		50
dibenz[ah]anthracene	100	5	20	100	2		100
fluoranthene	50	5	20	50	2		50
fluorene	50	5	20	50	2		50
indeno(123-cd)pyrene	100	5	20	100	2		100
naphthalene	50	5	30	50	2		50
perylene	50	5	30	50	2		50
phenanthrene	50	5	30	50	2		50
pyrene	50	5	20	50	2		50

#### CHCs (Units = ug/kg)

PCB Congeners	0.5	5	0.43	7.5	0.1		7.5
2,4-DDD	0.5	5	0.83	0.5	0.1		1
2,4-DDE	0.5	5	0.72	0.5	0.1		1
2,4-DDT	0.5	5	0.8	0.5	0.1		1
4,4-DDD	0.5	5	0.47	0.5	0.1		1
4,4-DDE	0.5	5	0.26	0.5	0.1		1
4,4-DDMU	0.5	5	0.001	0.5	0.1		0.5
4,4-DDT	0.5	5	0.8	0.5	0.1		1
alpha-chlordane	0.5	5	0.24	0.5	0.2		0.5
gamma-chlordane	0.5	5	0.35	0.5	0.3		0.5
Dieldrin	0.5	5	0.31	2.7	0.1		

#### Pyrethroids (Units = ug/kg)

Bifenthrin		2					0.5
Cyfluthrin		2					0.5
lambda-Cyhalothrin		2					0.5
Cypermethrin		2					0.5
Deltamethrin		2					0.5
Esfenvalerate		2					0.5
Fenpropathrin		2					0.5
Permethrin- <i>cis</i>		25					0.5

	CLAEMD	CRG	CSD	LACSD	OCSD	NOAA COAST	Target RL ug/kg
Permethrin- <i>trans</i>		25					0.5
<b>Total Organic Carbon (Units = %)</b>							
	0.05	0.02	0.01		0.05		
<b>Total Nitrogen (Units = ug/kg)</b>							
Inorganic		4000	5000		56000		
<b>Polybrominated Diphenyl Ethers (Units = ug/kg)</b>							
BDE001						0.4	-
BDE002						0.4	-
BDE003						0.4	-
BDE007						0.4	-
BDE008						0.4	-
BDE010						0.4	-
BDE011						0.4	-
BDE012						0.4	-
BDE013						0.4	-
BDE015						0.4	-
BDE017						0.4	-
BDE025						0.4	-
BDE028						0.3	-
BDE030						0.4	-
BDE032						0.4	-
BDE033						0.4	-
BDE035						0.4	-
BDE037						0.4	-
BDE047						0.6	-
BDE049/071						0.7	-
BDE066						1.4	-
BDE075						0.7	-
BDE077						0.7	-

	CLAEMD	CRG	CSD	LACSD	OCSD	NOAA COAST	Target RL ug/kg
BDE085						0.6	-
BDE099						0.9	-
BDE100						0.8	-
BDE116						0.8	-
BDE118						0.8	-
BDE119						0.8	-
BDE126						0.8	-
BDE138						0.7	-
BDE153						1.9	-
BDE154						1	-
BDE155						1	-
BDE166						1	-
BDE181						1.4	-
BDE183						1.4	-
BDE190						1.7	-
BDE194						1.7	-
BDE195						1.7	-
BDE196						1.7	-
BDE197						1.7	-
BDE198						1.7	-
BDE201						1.7	-
BDE202						1.7	-
BDE204						1.7	-
BDE205						1.7	-
BDE206						1.7	-
BDE207						1.7	-
BDE208						1.7	-
BDE209						1.7	-

**Table E-2. Results of interlaboratory comparison exercise for PAH analytes in a Certified Reference Material (SRM 1944).**

Laboratory Name	OCSD	City of San Diego	LACSD	City of Los Angeles	CRG		CERTIFIED VALUE	ACCEPTANCE RANGE LOW (- 40%)	ACCEPTANCE RANGE HIGH (+40%)		STUDY MEAN	STUDY STD DEV	% CV	95% CI
Units	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g		ng/dry g	ng/dry g	ng/dry g		ng/dry g	ng/dry g	%	ng/dry g
1-Methylnaphthalene*	273	465	398	516	240		520	312	728		378	119	32	105
1-Methylphenanthrene	1252	nd	1490	1290	1230		1700	1020	2380		1316	119	9	117
2-Methylnaphthalene*	429	913	653	768	339		950	570	1330		620	237	38	208
2,6-Dimethylnaphthalene	469	737	652	853	449						632	173	27	152
1,6,7-Trimethylnaphthalene	190	613	387	461	193						369	181	49	159
Acenaphthene*	227	401	308	368	225		570	342	798		306	80.1	26	70.2
Acenaphthylene	390	352	676	964	455						567	255	45	223
Anthracene	1061	1270	1280	1413	890		1770	1062	2478		1183	207	17	181
Benz[a]anthracene	3767	4920	4730	4477	4563		4720	2832	6608		4491	439	10	385
Benzo[a]pyrene	2450	5240	4040	3359	3610		4300	2580	6020		3740	1021	27	895
Benzo[b]fluoranthene	4566	6475	6300	4145	3402		3870	2322	5418		4978	1354	27	1187
Benzo[e]pyrene	2279	4345	3550	3673	3165		3280	1968	4592		3402	759	22	665
Benzo[g,h,i]perylene	1784	4750	3060	2231	2558		2840	1704	3976		2877	1146	40	1005
Benzo[k]fluoranthene	1620	2385	2300	2836	2038		2300	1380	3220		2236	449	20	393
Biphenyl	164	247	199	260	117		320	192	448		197	59.1	30	51.8
Chrysene	4077	5525	4820	5596	4890		4860	2916	6804		4982	618	12	541
Dibenz[a,h]anthracene	434	707	332	479	847		424	254	594		560	211	38	185
Fluoranthene	7614	5865	8740	8580	7591		8920	5352	12488		7678	1145	15	1003
Fluorene*	294	438	333	395	258		850	510	1190		344	73.2	21	64.2
Indeno[1,2,3-c,d]pyrene	1818	3675	2470	2256	2650		2780	1668	3892		2574	689	27	604
Naphthalene	725	1565	1030	1193	502		1650	990	2310		1003	413	41	362
Phenanthrene	4202	6040	5610	5945	3674		5270	3162	7378		5094	1084	21	950
Perylene	763	1385	978	1028	896		1170	702	1638		1010	232	23	204
Pyrene	7919	11350	8580	9177	8507		9700	5820	13580		9107	1331	15	1167

- Noncertified reference values

**Table E-3. Results of interlaboratory comparison exercise for PAH analytes in a Laboratory Control Material (PV7C).**

Laboratory Name	OCSD	City of San Diego	LACSD	City of Los Angeles	CRG	STUDY MEAN	STUDY STD DEV	% CV	95% CI
Units	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	%	ng/dry g
1-Methylnaphthalene	17.9	37	22.2	25.9	18.1	24.2	7.9	32	6.9
1-Methylphenanthrene	6.44	Nd	29.6	nd	11.3	15.8	12.2	77	13.8
2-Methylnaphthalene	43.5	70	65.6	52.4	45.8	55.5	11.8	21	10.4
2,6-Dimethylnaphthalene	56.5	Nd	35.3	77.7	40.5	52.5	19.1	36	18.7
1,6,7-Trimethylnaphthalene	3.24	Nd	nd	nd	5.59	4.4	1.7	38	1.6
Acenaphthene	nd	Nd	nd	nd	5.67	nd	***	***	***
Acenaphthylene	28.0	Nd	48.8	45.4	40.9	40.8	9.1	22	8.9
Anthracene	24.2	Nd	39.8	27	41.1	33.0	8.7	26	8.5
Benz[a]anthracene	36.6	81	78.6	38	60.8	59.0	21.3	36	18.7
Benzo[a]pyrene	95.6	282	172	99.1	142	158	76.1	48	66.7
Benzo[b]fluoranthene	146	187	218	99.4	99.8	150	52.7	35	46.2
Benzo[e]pyrene	152	192	166	107	164	156	31.1	20	27.3
Benzo[g,h,i]perylene	64.1	228	142	61.2	125	124	68.3	55	59.9
Benzo[k]fluoranthene	47.2	Nd	93.1	65.6	50.6	64.1	20.9	33	20.5
Biphenyl	20.9	Nd	38.6	35.1	24.7	29.8	8.4	28	8.2
Chrysene	33.5	39	59.6	51.1	70.4	50.7	15.0	30	13.1
Dibenz[a,h]anthracene	16.9	Nd	43.5	5.03	42.3	26.9	19.1	71	18.7
Fluoranthene	59.8	52	72.7	49.3	60.8	58.9	9.1	16	8.0
Fluorene	8.26	Nd	nd	6.5	9.82	8.2	1.7	20	1.9
Indeno[1,2,3-c,d]pyrene	46.0	220	82.2	35.4	78.7	92.5	74.1	80	65.0
Naphthalene	26.2	82	37.3	38.3	18.3	40.4	24.7	61	21.6
Phenanthrene	38.5	72	64.4	44.8	33.5	50.6	16.7	33	14.7
Perylene	198	318	226	172	185	220	58.4	27	51.2
Pyrene	137	122	153	115	150	135	16.7	12	14.7

**Table E-4. Results of interlaboratory comparison exercise for chlorinated pesticides in a Certified Reference Material (SRM 1944).**

Laboratory Name	OCSD	City of San Diego	LACSD	City of Los Angeles	CRG	CERTIFIED VALUE	ACCEPTANCE RANGE LOW (-40%)	ACCEPTANCE RANGE HIGH (+40%)	STUDY MEAN	STUDY STD DEV	% CV	95% CI
<b>Units</b>	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	%	ng/dry g
<b>2,4'-DDE*</b>	17.6	19.5	15.3	16.8	15.1	19	11	26.6	16.7	2	12	1.8
<b>4,4'-DDE*</b>	78.2	88	89.1	91.2	73.6	86	52	120.4	85.5	8	9	7
<b>2,4'-DDD*</b>	39.2	nd	40.7	34.4	31.6	38	23	53.2	35.6	4.7	13	4.1
<b>4,4'-DDD*</b>	105	nd	100.2	144	96.1	108	65	151.2	113.4	26.6	23	23.3
<b>2,4'-DDT</b>	nd	nd	nd	5.1	9.3	10	6	14	7.2	3	41	2.6
<b>4,4'-DDT</b>	110	125	165	215	109	119	108	130	153.5	47.3	31	41.4
<b>4,4'-DDMU</b>	nd	nd	nd	nd	nd				nd	***	***	***
<b>Dieldrin</b>	nd	nd	nd	nd	nd				nd	***	***	***
<b>alpha-Chlordane</b>	13.5	18.5	25.6	34.3	13.3	16.51	15.62	17.34	22.9	9.1	40	8
<b>gamma-Chlordane*</b>	9.5	33.5	43.7	22.5	10.6	8	6	10	27.6	14.2	52	12.5

\* Noncertified reference values



**Table E-5. Results of interlaboratory comparison exercise for chlorinated pesticides in the Laboratory Control Material from the Palos Verdes Shelf (PV7C).**

Laboratory Name	OCSD	City of San Diego	LACSD	City of Los Angeles	CRG		STUDY MEAN	STUDY STD DEV	% CV	95% CI
Units	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g		ng/dry g	ng/dry g	%	ng/dry g
2,4'-DDE	1402	1300	1467	1468	1312		1386.8	93.4	7	81.8
4,4'-DDE	9093	8250	10071	11710	10480		10127.8	1432.6	14	1255.7
2,4'-DDD	178.0	220	192.7	167	170		187.4	24.6	13	21.5
4,4'-DDD	779	990	734	695	789		802.0	131.1	16	114.9
2,4'-DDT	10.00	33	14.2	10.9	11.6		17.4	10.5	60	9.2
4,4'-DDT	805	580	1003	260	753		649.0	312.1	48	273.6
4,4'-DDMU	1171	1350	1513	1674	1382		1479.8	147.5	10	129.2
Dieldrin	ND	Nd	nd	1.9	nd		1.9	-	-	-
alpha-Chlordane	7.4	7.75	7.3	27.3	4.44		11.7	10.5	90	9.2
gamma-Chlordane	7.5	9.45	20.6	8.2	9.49		11.9	5.8	49	5.1

Table E-6. Results of interlaboratory comparison exercise for PCBs (µg/kg dry wt) in the Certified Reference Material (SRM 1944).

Laboratory Name	OCSD	City of San Diego	LACSD	City of Los Angeles	CRG		CERTIFIED VALUE	ACCEPTANCE RANGE LOW (-40%)	ACCEPTANCE RANGE HIGH (+40%)		STUDY MEAN	STUDY STD DEV	% CV	95% CI
Units	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g		ng/dry g	ng/dry g	ng/dry g		ng/dry g	ng/dry g	%	ng/dry g
PCB-018	52.2	50	58.8	56.1	52.3		51	31	71		53.9	3.5	7	3.1
PCB-028	80.7	80.5	79.9	79	81		80.8	48.5	113.1		80.2	0.8	1	0.7
PCB-037	no data	nd	nd	nd	nd									
PCB-044	59.7	49.5	67.5	68.7	59.3		60.2	36.1	84.3		60.9	7.7	13	6.8
PCB-049	53.2	41	57.8	55	54.6		53	32	74		52.3	6.5	13	5.7
PCB-052	77.6	60.5	82.2	73.2	78		79.4	47.6	111.2		74.3	8.3	11	7.3
PCB-066	58.8	50.5	70.3	103	75.9		71.9	43.1	100.7		71.7	20.1	28	17.6
PCB-070	no data	nd	72.3	79	40.5						63.9	20.6	32	23.3
PCB-074	no data	nd	34.6	39.5	43.9						39.3	4.7	12	5.3
PCB-077	no data	nd	19.8	24.5	nd						22.2	3.3	15	2.9
PCB-081	no data	nd	nd	nd	nd									
PCB-087	26	21	31.2	34.7	30.9		29.9	17.9	41.9		28.8	5.3	19	4.7
PCB-099	35.4	24	33.2	37.6	38.1		37.5	22.5	52.5		33.7	5.7	17	5
PCB-101	56.8	53.5	73.8	68	71		73.41	44.05	102.77		64.6	9	14	7.9
PCB-105	21.9	nd	24.1	44.8	23.8		24.5	14.7	34.3		28.7	10.8	38	9.5
PCB-110	61.6	54.5	69.1	65.4	60.1		63.5	38.1	88.9		62.1	5.5	9	4.8
PCB-114	no data	nd	nd	nd	nd									
PCB-118	51.4	42	56.7	53.9	56.5		58	35	81.2		52.1	6	12	5.3
PCB-119	no data	nd	nd	3.1	nd						3.1			
PCB-123	no data	nd	nd	nd	nd									
PCB-126	no data	nd	nd	nd	nd									

Laboratory Name	OCSD	City of San Diego	LACSD	City of Los Angeles	CRG		CERTIFIED VALUE	ACCEPTANCE RANGE LOW (-40%)	ACCEPTANCE RANGE HIGH (+40%)		STUDY MEAN	STUDY STD DEV	% CV	95% CI
Units	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g		ng/dry g	ng/dry g	ng/dry g		ng/dry g	ng/dry g	%	ng/dry g
PCB-128	8.87	8.95	9.1	11.4	8.68		8.47	5.08	11.86		9.4	1.1	12	1
PCB-138	60.8	40.5	75.4	57.3	61.9		62.13	37.28	86.98		59.2	12.5	21	11
PCB-149	49.5	41	54.5	53.9	49.6		49.7	29.8	69.6		49.7	5.4	11	4.7
PCB-151	13.5	12	15.4	23.1	17		16.93	10.16	23.70		16.2	4.3	27	3.8
PCB-153	59.7	26.5	72.3	66.4	74.5		74	44	103.6		59.9	19.5	33	17.1
PCB-156	6.87	5.5	6.5	7.6	6.41		6.52	3.91	9.13		6.6	0.8	12	0.7
PCB-157	no data	nd	nd	3.5	nd						3.5			
PCB-158	no data	nd	6.9	nd	nd						6.9			
PCB-167	no data	nd	2.2	3.2	nd						2.7	0.7	26	1
PCB-168	co-elutes <sup>1</sup>	co-elutes <sup>1</sup>	nd	nd	29.4						29.4			
PCB-169	no data	nd	nd	nd	nd									
PCB-170	21.4	8.15	23.3	30.8	24		22.64	13.58	31.70		21.5	8.3	38	7.3
PCB-177	no data	nd	9.1	13.4	nd						11.3	3	27	4.2
PCB-180	44.9	35.5	47.4	44.8	44.8		44.3	26.6	62.0		43.5	4.6	11	4
PCB-183	12.1	8.45	10.9	13.3	10.8		12.19	7.31	17.07		11.1	1.8	16	1.6
PCB-187	24.2	21	26	31.1	26.1		25.15	15.09	35.21		25.7	3.7	14	3.2
PCB-189	no data	nd	nd	0.8	nd						0.8			
PCB-194	12.2	6.8	11.6	12	10.9		11.2	6.7	15.7		10.7	2.2	21	2
PCB-201	no data	nd	12.6	nd	3.45						8	6.5	81	9
PCB-206	9.5	4.6	8.5	9.9	9.71		9.21	5.53	12.89		8.4	2.2	26	1.9

<sup>1</sup> PCB153 and 168 co-elute. For this table, PCB 153/168 are reported together as PCB153

<sup>2</sup> CRM reported as PCB101 + 90

<sup>3</sup> CRM reported as PCB138+163+164

<sup>4</sup> CRM reported as PCB170+190

<sup>5</sup> CRM reported as PCB187+159+182

**Table E-7. Results of interlaboratory comparison exercise for chlorinated pesticides ( $\mu\text{g}/\text{kg}$  dry wt) in the Laboratory Control Material from the Palos Verdes Shelf (PV7C).**

Laboratory Name	OCS D	City of San Diego	LACSD	City of Los Angeles	CRG	STUDY MEAN	STUDY STD DEV	% CV	95% CI
Units	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g	%	ng/dry g
PCB-018	no data	8.45	5.6	31.3	19.1	16.1	11.7	72	11.4
PCB-028	no data	27.0	28.6	44.1	27.5	31.8	8.2	26	8.1
PCB-037	no data	nd	25.4	nd	17	21.2	5.9	28	8.2
PCB-044	no data	35.0	50.3	39.4	24.4	37.3	10.7	29	10.5
PCB-049	no data	29.5	45.7	34	69.4	44.7	17.9	40	17.5
PCB-052	no data	45.5	66.1	50.6	41.8	51.0	10.7	21	10.5
PCB-066	no data	41.0	75.4	106	58.6	70.3	27.7	39	27.1
PCB-070	no data	58.0	75.8	64.3	46.6	61.2	12.2	20	12.0
PCB-074	no data	22.0	37.3	38.1	33.1	32.6	7.4	23	7.3
PCB-077	no data	5.75	nd	nd	11.3	8.5	3.9	46	3.8
PCB-081	no data	nd	nd	nd	nd				
PCB-087	no data	28.5	35.6	32.6	28.2	31.2	3.5	11	3.5
PCB-099	no data	28.0	45.5	37	33.4	36.0	7.3	20	7.2
PCB-101	no data	56.0	80.8	55.5	60.8	63.3	11.9	19	11.7
PCB-105	no data	30.0	34.3	45.6	38.5	37.1	6.6	18	6.5
PCB-110	no data	60.5	63	60.1	53.9	59.4	3.9	7	3.8
PCB-114	no data	nd	nd	nd	nd				
PCB-118	no data	56.5	66.2	67.2	53.8	60.9	6.8	11	6.6
PCB-119	no data	nd	nd	2.2	nd	2.2			
PCB-123	no data	5.40	5.2	nd	nd	5.3	0.1	3	0.2
PCB-126	no data	nd	nd	nd	nd				
PCB-128	no data	9.45	8.3	10.7	16.4	11.2	3.6	32	3.5
PCB-138	no data	40.0	71.6	80.1	56.9	62.2	17.6	28	17.3
PCB-149	no data	30.0	37.7	36	36.1	35.0	3.4	10	3.3
PCB-151	no data	7.10	6.3	10.3	12.8	9.1	3.0	33	2.9

Laboratory Name	OCSD	City of San Diego	LACSD	City of Los Angeles	CRG		STUDY MEAN	STUDY STD DEV	% CV	95% CI
Units	ng/dry g	ng/dry g	ng/dry g	ng/dry g	ng/dry g		ng/dry g	ng/dry g	%	ng/dry g
PCB-153	no data	20.5	51.3	38.7	47.5		39.5	13.7	35	13.4
PCB-156	no data	6.45	4.4	6.6	nd		5.8	1.2	21	1.4
PCB-157	no data	nd	nd	1.9	nd		1.9			
PCB-158	no data	5.75	5.4	nd	8.57		6.6	1.7	26	2.0
PCB-167	no data	2.00	nd	3	nd		2.5	0.7	28	1.0
PCB-168	no data	coelutes	nd	nd	27.2		27.2			
PCB-169	no data	nd	nd	nd	nd					
PCB-170	no data	9.05	15.7	20.1	26.8		17.9	7.5	42	7.3
PCB-177	no data	5.75	3.4	8	14.1		7.8	4.6	59	4.5
PCB-180	no data	23.0	42.3	32	28.4		31.4	8.1	26	8.0
PCB-183	no data	5.40	3	6.9	8.17		5.9	2.2	38	2.2
PCB-187	no data	12.0	12.9	17.1	19.2		15.3	3.4	22	3.4
PCB-189	no data	nd	nd	nd	nd					
PCB-194	no data	6.70	6.3	7.8	nd		6.9	0.8	11	0.9
PCB-201	no data	6.80	5.3	30.3	16.9		14.8	11.5	78	11.3
PCB-206	no data	nd	nd	4.5	10.7		7.6	4.4	58	6.1

**Table E-8. Summary of interlaboratory comparison exercise for Total CHC, Total PCBs, and Total PAHs (ug/dry kg) in the Laboratory Control Material from the Palos Verdes Shelf (PV7C).**

	<b>OCSD</b>	<b>City of San Diego</b>	<b>LACSD</b>	<b>City of Los Angeles</b>	<b>CRG</b>	<b>Study Mean</b>	<b>Acceptance Range (-40%)</b>	<b>Acceptance Range (+40%)</b>
<b>Total PAH</b>	1306	1982	1888	1251	1525	1651	991	2311
<b>Total PCB</b>	No Data	727	1058	1022	947	939	563	1314
<b>Total DDT</b>	No Data	12723	15069	15985	14898	14669	8801	20536

**Table E-9. Results of interlaboratory comparison exercise for trace metals (mg/dry kg) for a reference sediment ERA 540 (lot D056-540).**

Laboratory Name (Units mg/kg)	City of Los Angeles	City of San Diego	LACSD	CRG	OCSD	CERTIFIED VALUE	ACCEPTANCE RANGE	LABs MEAN	LABs SD	% CV
<b>Aluminum</b>	14100	11200	11100	13600	11200	10400	6370-14400	<b>12340</b>	<b>1408</b>	<b>11</b>
<b>Antimony</b>	96.4	135	90.1	121	294	127	ND-267	<b>144</b>	<b>85.0</b>	<b>59</b>
<b>Arsenic</b>	280	247	307	296	282	280	226-333	<b>291</b>	<b>12.7</b>	<b>4</b>
<b>Barium</b>	528	561	521	567	554	520	430-609	<b>545</b>	<b>19.7</b>	<b>4</b>
<b>Beryllium</b>	54	55.6	54.3	49.9	54.1	51.0	42.4-59.6	<b>52.8</b>	<b>1.91</b>	<b>4</b>
<b>Cadmium</b>	183	193	190	144	193	182	149-215	<b>181</b>	<b>21.0</b>	<b>12</b>
<b>Chromium</b>	147	159	142	142	157	142	115-170	<b>149</b>	<b>8.14</b>	<b>5</b>
<b>Copper</b>	138	149	131	132	137	132	110-155	<b>135</b>	<b>3.65</b>	<b>3</b>
<b>Iron</b>	21800	16800	17100	19920	20300	16600	9490-23700	<b>19284</b>	<b>2029</b>	<b>11</b>
<b>Lead</b>	70.6	71.4	70.7	69.9	74.1	72.2	59.1-85.4	<b>72.0</b>	<b>2.22</b>	<b>3</b>
<b>Mercury</b>	10.2	9.8	9.08	7.97	7.12	8.48	5.60-11.2	<b>8.59</b>	<b>1.34</b>	<b>16</b>
<b>Nickel</b>	154	168	160	148	165	155	128-182	<b>159</b>	<b>8.12</b>	<b>5</b>
<b>Selenium</b>	174	155	187	169	175	165	128-203	<b>176</b>	<b>7.63</b>	<b>4</b>
<b>Silver</b>	131	142	127	100	132	126	83.7-169	<b>112</b>	<b>27.8</b>	<b>25</b>
<b>Zinc</b>	369	398	393	333	354	346	273-418	<b>351</b>	<b>33.3</b>	<b>9</b>