	A	B	C	D	E	F	G	H	I	J	K	L
1	**Attachment D1**											
2												
3	**Tacoma Smelter Plume Site**											
4												
5	**Analytical Results, Extended Trace Eelements List**											
6	**Initial Sample Group, Vashon-Maury Island**											
7												
8												
9	**BATTELLE MARINE SCIENCES LABORATORIES**											
10	1529 West Sequim Bay Road											
11	Sequim, Washington											
12	(360) 681-3604											
13												
14						Concentrations in µg/g dry wt - not blank corrected						
15		**SPONSOR ID**					**Hg**	**Ag**	**V**	**Cr**	**Co**	**Ni**
16	MSL					Percent	CVAA	GFAA	ICP-MS	ICP-MS	ICP-MS	ICP-MS
17	Code	Dash	Sample ID	Comments	Sample Date	Dry Wt	Sed Evap	Sed Evap	Sed Evap	Sed Evap	Sed Evap	Sed Evap
18												
19	1600-1	21	1-42-2-2-1	Lt Brown Sandy	8/28/2000	93.9	0.063	0.0891	98.3	113	11.8	48.6
20	1600-6	6	1-42-2-2-2	Lt Brown Sandy	8/28/2000	91.2	0.066	0.117	113	101	20.7	57.6
21												
22	1600-2	1	1-1065-1-1-1	Dark Brown Loa	11/8/2000	43.3	1.81	1.07	52.8	64.0	22.8	37.8
23	1600-3	2	1-1065-1-1-2	Med Brown Loa	11/8/2000	77.0	0.422	0.462	99.4	88.6	14.8	42.5
24												
25	1600-11	10	1-1100-1-1-1	Dark Brown Lig	11/8/2000	58.5	0.917	0.753	68.4	50.1	10	29.9
26	1600-4 r1	11	1-1100-1-1-2		11/8/2000	92.2	0.170	0.165	94.5	130	11.9	57.4
27	1600-4 r2	11	1-1100-1-1-2		11/8/2000	92.2	0.233	0.199	88.6	86.2	11.3	58.9
28	1600-5	12	1-1100-1-1-3		11/8/2000	91.8	0.105	NA	90.9	83.5	11.5	58.2
29												
30	1600-7	4	1-101-1-2-1	Med Brown Org	10/11/2000	57.7	0.767	0.452	18.1	52.5	2.19	18.1
31	1600-8	5	1-101-1-2-2	Med Brown Org	10/11/2000	78.3	0.867	0.785	68.4	64.9	8.05	38.4
32												
33	1600-9	10	1-84-1-1-1	Med Brown Org	10/9/2000	68.6	2.57	1.69	63.6	55.4	14.7	36.2
34	1600-10	11	1-84-1-1-2	Lt Brown Sandy	10/9/2000	86.1	0.636	0.551	80.9	102	13.0	40.7
35												
36												

	A	B	C	M	N	O	P	Q	R	S	T	U	V
1	**Attachment D1**												
2													
3	**Tacoma Smelter Plume Site**												
4													
5	**Analytical Results, Extended Trace**												
6	**Initial Sample Group, Vashon-Mau**												
7													
8													
9	**BATTELLE MARINE SCIENCES LA**												
10	1529 West Sequim Bay Road												
11	Sequim, Washington												
12	(360) 681-3604												
13													
14					Concentrations in µg/g dry wt - not blank corrected					Wet Wt			Concent
15				**Cu**	**Zn**	**Ga**	**Ge**	**As**	**Se**	**Br**	**Br**	**Mo**	**Ru**
16	MSL			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
17	Code	Dash	Sample ID	Sed Evap	Sed Evap	Sed Evap	Sed Evap	Sed Evap	Sed Evap	Boric Acid	Boric Acid	Sed Evap	Sed Evap
18													
19	1600-1	21	1-42-2-2-1	30.7	70.3	14.0	1.39	14.3	0.0871	6770	7210	1.45	0.0165
20	1600-6	6	1-42-2-2-2	31.7	82.7	15.7	1.55	16.5	0.841	6430	7050	0.748	0.0153
21													
22	1600-2	1	1-1065-1-1-1	767	294	7.17	0.948	99.0	2.96	7380	17044	1.61	0.0446
23	1600-3	2	1-1065-1-1-2	179	134	14.4	1.63	148	0.549	11500	14935	0.507	0.0185
24													
25	1600-11	10	1-1100-1-1-1	355	135	11.5	1.34	187	1.20	NA		0.982	0.0244
26	1600-4 r1	11	1-1100-1-1-2	51.2	85.5	15.5	1.56	60.3	0	6070	6584	0.522	0.00895
27	1600-4 r2	11	1-1100-1-1-2	62.2	111	14.9	1.67	66.6	0.299	7460	8091	0.500	0.0209
28	1600-5	12	1-1100-1-1-3	37.1	75.9	14.8	1.59	40.7	0	3500	3813	0.549	0.022
29													
30	1600-7	4	1-101-1-2-1	154	78.3	2.89	0.406	71.9	1.50	6250	10832	0.652	0.0185
31	1600-8	5	1-101-1-2-2	240	107	11.3	1.44	187	1.52	8760	11188	0.547	0.0201
32													
33	1600-9	10	1-84-1-1-1	487	174	10.0	1.25	198	2.98	6200	9038	2.21	0.0200
34	1600-10	11	1-84-1-1-2	163	133	14.4	1.55	238	0.979	2610	3031	0.587	0.0240
35													
36													

	A	B	C	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1	**Attachment D1**												
2													
3	**Tacoma Smelter Plume Site**												
4													
5	**Analytical Results, Extended Trace**												
6	**Initial Sample Group, Vashon-Mau**												
7													
8													
9	**BATTELLE MARINE SCIENCES LA**												
10	1529 West Sequim Bay Road												
11	Sequim, Washington												
12	(360) 681-3604												
13													
14				rations in µg/g dry wt - not blank corrected							Wet Wt		Wet Wt
15				**Rh**	**Pd**	**Cd**	**In**	**Sn**	**Sb**	**Te**	**I**	**I**	**Cs**
16	MSL			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
17	Code	Dash	Sample ID	Sed Evap	Sed Evap	Sed Evap	Sed Evap	Sed Evap	Sed Evap	Sed Evap	Boric Acid	Boric Acid	Boric Acid
18													
19	1600-1	21	1-42-2-2-1	0.00640	0.382	0.304	0.0562	1.41	1.36	0.00697	61.9	65.9	1.57
20	1600-6	6	1-42-2-2-2	0.0121	0.258	0.344	0.0574	1.35	1.48	0.0378	25.2	27.6	1.48
21													
22	1600-2	1	1-1065-1-1-1	0.0459	0.904	8.38	1.07	9.92	50.5	1.44	272	628	0.317
23	1600-3	2	1-1065-1-1-2	0.0144	0.421	2.83	0.320	4.17	10.1	0.470	141	183	1.10
24													
25	1600-11	10	1-1100-1-1-1	0.0321	0.287	3.12	1.05	15.5	27.0	1.09	NA	NA	NA
26	1600-4 r1	11	1-1100-1-1-2	0.00967	0.476	1.69	0.134	1.87	5.98	0.236	60.1	65.2	1.55
27	1600-4 r2	11	1-1100-1-1-2	0.0127	0.116	2.22	0.143	1.97	6.15	0.322	59	64.0	1.60
28	1600-5	12	1-1100-1-1-3	0.0134	0.174	0.684	0.0954	1.49	4.81	0.254	15.7	17.1	1.45
29													
30	1600-7	4	1-101-1-2-1	0.0157	0.147	0.795	0.272	4.15	14.9	0.209	243	421	0.155
31	1600-8	5	1-101-1-2-2	0.0196	0.404	1.67	0.580	7.15	17.9	0.685	88.1	113	0.980
32													
33	1600-9	10	1-84-1-1-1	0.0295	0.381	5.80	1.50	16.2	68.1	0.958	165	241	0.911
34	1600-10	11	1-84-1-1-2	0.0120	0.210	3.63	0.427	5.30	18.8	0.668	48.3	56.1	1.72
35													
36													

	A	B	C	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP
1	**Attachment D1**												
2													
3	**Tacoma Smelter Plume Site**												
4													
5	**Analytical Results, Extended Trace**												
6	**Initial Sample Group, Vashon-Mau**												
7													
8													
9	**BATTELLE MARINE SCIENCES LA**												
10	1529 West Sequim Bay Road												
11	Sequim, Washington												
12	(360) 681-3604												
13													
14				g/g dry wt -	Wet Wt		Wet Wt				Concentrations in µg/g dry wt -		
15				**Cs**	**La**	**La**	**Ce**	**Ce**	**Sm**	**Yb**	**W**	**Pt**	**Au**
16	MSL			ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS	ICP-MS
17	Code	Dash	Sample ID	Boric Acid	Boric Acid	Boric Acid	Boric Acid	Boric Acid	Sed Evap	Sed Evap	Sed Evap	Sed Evap	Sed Evap
18													
19	1600-1	21	1-42-2-2-1	1.67	12.3	13.1	26.1	27.8	10.8	1.00	0.691	0.0309	0.0442
20	1600-6	6	1-42-2-2-2	1.62	10.7	11.7	23.6	25.9	10.1	0.996	0.772	0.0263	0.0792
21													
22	1600-2	1	1-1065-1-1-1	0.732	2.45	5.66	4.64	10.7	6.99	0.711	0.453	0	0.113
23	1600-3	2	1-1065-1-1-2	1.43	7.81	10.1	15.7	20.4	8.95	1.12	0.537	0.0324	0.0600
24													
25	1600-11	10	1-1100-1-1-1	NA	NA	NA	NA	NA	11.1	0.937	1.53	0.0223	0.0811
26	1600-4 r1	11	1-1100-1-1-2	1.68	9.74	10.6	19.3	20.9	9.56	0.97	0.552	0.0142	0.0494
27	1600-4 r2	11	1-1100-1-1-2	1.74	9.35	10.1	19.5	21.1	6.38	0.677	0.614	0.0409	0.0448
28	1600-5	12	1-1100-1-1-3	1.58	10.3	11.2	23.1	25.2	8.36	0.813	0.645	0.0311	0.101
29													
30	1600-7	4	1-101-1-2-1	0.269	1.37	2.37	2.55	4.42	3.55	0.373	0.200	0.0184	0.148
31	1600-8	5	1-101-1-2-2	1.25	7.62	9.73	15.7	20.1	10.3	0.972	0.463	0.0265	0.112
32													
33	1600-9	10	1-84-1-1-1	1.33	8.23	12.0	15.0	21.9	10.6	0.929	0.665	0.0239	0.116
34	1600-10	11	1-84-1-1-2	2.00	16.9	19.6	29.2	33.9	10.1	0.936	0.611	0.0255	0.0814
35													
36													

	A	B	C	AQ	AR	AS	AT
1	**Attachment D1**						
2							
3	**Tacoma Smelter Plume Site**						
4							
5	**Analytical Results, Extended Trace**						
6	**Initial Sample Group, Vashon-Mau**						
7							
8							
9	**BATTELLE MARINE SCIENCES LA**						
10	1529 West Sequim Bay Road						
11	Sequim, Washington						
12	(360) 681-3604						
13							
14				not blank corrected			
15				**Tl**	**Pb**	**Bi**	**Po**
16	MSL			ICP-MS	ICP-MS	ICP-MS	ICP-MS
17	Code	Dash	Sample ID	Sed Evap	Sed Evap	Sed Evap	Sed Evap
18							
19	1600-1	21	1-42-2-2-1	0.259	16.0	0.276	0
20	1600-6	6	1-42-2-2-2	0.250	20.3	0.294	0
21							
22	1600-2	1	1-1065-1-1-1	0.489	462	14.2	0
23	1600-3	2	1-1065-1-1-2	0.297	142	2.63	0
24							
25	1600-11	10	1-1100-1-1-1	0.53	652	11.3	0
26	1600-4 r1	11	1-1100-1-1-2	0.239	43.0	1.04	13.1
27	1600-4 r2	11	1-1100-1-1-2	0.253	47.5	0.990	0
28	1600-5	12	1-1100-1-1-3	0.199	27.1	0.623	0
29							
30	1600-7	4	1-101-1-2-1	0.0814	164	3.85	7.14
31	1600-8	5	1-101-1-2-2	0.270	297	5.78	0
32							
33	1600-9	10	1-84-1-1-1	0.420	681	18.7	0
34	1600-10	11	1-84-1-1-2	0.359	201	3.61	12.1
35							
36							