

APPENDIX E
CRUISE REPORTS AND VIDEOS – SEDIMENT CORING

APPENDIX E.1
SEDIMENT CRUISE REPORTS

Appendix E - 2013 Sediment Cruise Logs
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

FIELD DAY	SITE	REPLICATE	SAMPLING LATITUDE	SAMPLING LONGITUDE	SAMPLING DEPTH (M)	DISTANCE FROM NOM (M)	BED PENETRATION (CM)	COMMENTS	USABLE?	SEQUENCE
10/17/2013	BA10B	1	33.66228	-118.29831	145	13	31		Y	32
10/23/2013	BA10C	1	33.66841	-118.29674	61	13	25		Y	89
10/21/2013	BA10DC	1	33.68556	-118.29144	42	8	36		Y	48
10/17/2013	BA1B	1	33.74943	-118.44671	151	13	60		Y	43
10/17/2013	BA1C	1	33.75734	-118.44108	61	8	48		Y	44
10/17/2013	BA1DC	1	33.76284	-118.43674	39	33	31		Y	45
10/17/2013	BA2B	1	33.73247	-118.42594	150	11	35		Y	41
10/28/2013	BA2B	2	33.73241	-118.42585	152	10	22	Resample	Y	103
10/22/2013	BA2C	1	33.73773	-118.42316	62	6	60		Y	75
10/17/2013	BA2DC	1	33.73982	-118.42202	38	7	46		Y	47
10/17/2013	BA3B	1	33.72387	-118.40739	155	7	37		Y	40
10/22/2013	BA3C	1	33.72996	-118.40251	62	4	67		Y	74
10/28/2013	BA3DC	1	33.73274	-118.40078	45	19	59	Resample	Y	104
10/16/2013	BA4B	1	33.71682	-118.38734	149	17	56		Y	31
10/22/2013	BA4C	1	33.72334	-118.3846	62	6	63		Y	71
10/22/2013	BA4C	2	33.72333	-118.38465	63	2	63		Y	73
10/22/2013	BA4DC	1	33.7293	-118.38166	42	8	86	No camera	Y	81
10/16/2013	BA5B	1	33.70913	-118.36807	150	16	66		Y	29
10/16/2013	BA5B	2	33.70911	-118.36805	149	13	68		Y	30
10/22/2013	BA5C	1	33.71458	-118.3659	62	14	79		Y	84
10/22/2013	BA5DC	1	33.72053	-118.36377	42	11	81		Y	83
10/16/2013	BA6B	1	33.70294	-118.35597	150	15	79		Y	27
10/16/2013	BA6BC	1	33.70446	-118.35615	98	83	33		Y	28
10/29/2013	BA6C	1	33.7078	-118.35387	61	12	79	Resample	Y	109
10/29/2013	BA6DC	1	33.71263	-118.3508	41	5	56	Resample	Y	110
10/16/2013	BA7B	1	33.70085	-118.35145	150	5	50		Y	24
10/16/2013	BA7BC	1	33.70187	-118.35106	103	20	24		Y	25
10/23/2013	BA7C	1	33.70502	-118.34875	61	18	68		Y	93
10/22/2013	BA7DC	1	33.70959	-118.34567	41	10	61		Y	87
10/15/2013	BA8B	1	33.69212	-118.33729	151	7	61		Y	13
10/16/2013	BA8BC	1	33.69382	-118.33688	101	9	37		Y	15
10/21/2013	BA8C	1	33.69844	-118.33553	61	15	79		Y	64
10/29/2013	BA8DC	1	33.70363	-118.33182	42	5	60	Resample	Y	111
10/15/2013	BA9B	1	33.68151	-118.32201	151	16	45		Y	3
10/15/2013	BA9BC	1	33.68359	-118.32077	98	9	33		Y	2
10/28/2013	BA9C	1	33.68876	-118.31838	60	11	32	Resample	Y	99
10/29/2013	BA9DC	1	33.69617	-118.31465	41	6	45	Resample	Y	116
10/16/2013	OA01	1	33.70452	-118.35215	70	6	52		Y	26
10/22/2013	OA02	1	33.70845	-118.34969	51	12	79		Y	86
10/16/2013	OA03	1	33.70052	-118.34658	81	9	60		Y	22
10/16/2013	OA04	1	33.70149	-118.34621	71	6	57		Y	23
10/23/2013	OA05	1	33.70335	-118.34476	60	6	85		Y	91
10/23/2013	OA05	2	33.70334	-118.34481	61	2	85		Y	92
10/23/2013	OA06	1	33.70498	-118.34315	53	8	77		Y	94
10/16/2013	OA07	1	33.69946	-118.3422	70	3	58		Y	19
10/16/2013	OA07	2	33.69948	-118.34212	71	9	45		Y	20
10/23/2013	OA08	1	33.70355	-118.3397	53	7	81		Y	95
10/23/2013	OA09	1	33.70634	-118.3381	42	2	61		Y	96
10/29/2013	OA10	1	33.69666	-118.33706	70	13	53	Resample	Y	112
10/16/2013	OA10	2	33.69662	-118.33721	71	2	44		Y	17
10/21/2013	OA11	1	33.70004	-118.33359	54	4	83		Y	65
10/21/2013	OA11	2	33.7	-118.33358	54	2	77		Y	66
10/15/2013	BA9C	1	33.68871	-118.3182	60	13	26	Do not slice, replaced by Seq #99		1
10/15/2013	OA12	1	33.69341	-118.33118	69	12	41		Y	11
10/21/2013	OA13	1	33.69621	-118.33037	60	6	54		Y	62
10/21/2013	OA14	1	33.69855	-118.32938	53	25	67		Y	68
10/15/2013	OA12	2	33.69335	-118.33138	70	7	39		Y	12
10/15/2013	OA15	1	33.68995	-118.32899	80	23	51		Y	8
10/29/2013	OA16	2	33.6918	-118.32856	70	6	49	Resample - check which replicate it is for	Y	107
10/21/2013	OA17	1	33.69411	-118.32687	61	2	35		Y	61
10/15/2013	OA16	1	33.69172	-118.3285	70	9	42		Y	9
10/15/2013	OA16	2	33.69175	-118.32852	70	7	41	Do not slice, replaced by Seq#107		10
10/29/2013	OA20	1	33.69749	-118.31717	41	2	56	Resample	Y	115
10/17/2013	OA21	1	33.68162	-118.31589	81	17	18		Y	38
10/21/2013	OA22	1	33.68519	-118.3131	62	3	38		Y	53
10/28/2013	OA22	2	33.68504	-118.31304	62	20	43	Resample	Y	101
10/28/2013	OA23	1	33.68999	-118.31182	52	10	51	Resample; slight slope of surface sediments	Y	102
10/29/2013	OA24	1	33.67899	-118.31016	71	17	27	Resample	Y	106
10/28/2013	OA25	1	33.68565	-118.30553	52	8	41	Resample	Y	100
10/23/2013	OA26	1	33.70166	-118.34113	61	6	72		Y	90
10/16/2013	OA27	1	33.69844	-118.34635	144	5	29		Y	21
10/16/2013	OA28	1	33.6978	-118.3395	71	3	57		Y	18
10/17/2013	OA29	1	33.69525	-118.34142	145	1	56		Y	39
10/21/2013	OA30	1	33.69968	-118.33117	52	7	71		Y	67
10/21/2013	OA31	1	33.69736	-118.33265	61	1	66		Y	63
10/15/2013	OA18	1	33.68521	-118.32244	90	11	45		Y	4
10/29/2013	OA33	1	33.6924	-118.32269	59	30	32	Resample	Y	114
10/15/2013	OA19	1	33.68678	-118.32139	74	13	42		Y	5
10/15/2013	OA32	1	33.69495	-118.33392	70	7	51		Y	14
10/21/2013	BA10C	1	33.66844	-118.29679	61	7	-99	Poor penetration		49
10/21/2013	BA10C	1	33.66867	-118.29681	61	19	-99	Poor penetration		50
10/21/2013	BA10C	1	33.6683	-118.29681	62	22	-99	Poor penetration		51
10/23/2013	BA10C	1	33.66843	-118.29678	62	9	-99	Liner came off the core		88
10/17/2013	BA2B	2	33.73243	-118.42603	152	20	26	Do not slice, replaced by Seq#103		42
10/17/2013	BA2DC	1	33.73972	-118.42184	37	22	-99	Core washed out		46
10/22/2013	BA3DC	1	33.73196	-118.40153	50	93	-99	Not on station		76
10/22/2013	BA3DC	1	33.73269	-118.40091	42	11	57	Do not slice, replaced by Seq#104		77
10/22/2013	BA4C	2	33.72417	-118.38381	59	123	-99	Not on station		72
10/22/2013	BA4DC	1	33.72926	-118.38162	42	10	-99	Grab not good. Top did not close		78
10/22/2013	BA4DC	1	33.72931	-118.38169	42	7	-99	Lid did not close		79
10/22/2013	BA4DC	1	33.7293	-118.38182	42	9	-99	Poor grab		80
10/22/2013	BA5C	1	33.7146	-118.36593	62	10	68	Core did not fit in freezer. Will resample		70
10/22/2013	BA5DC	1	33.72052	-118.36393	42	11	-99	Core penetrated too far		82
10/22/2013	BA6C	1	33.70777	-118.35384	61	16	76	Do not slice, replaced by Seq#109		69
10/29/2013	BA6C	1	33.70777	-118.35397	61	7	-99	Resample - liner was pushed up during grab		108
10/22/2013	BA6DC	1	33.71255	-118.35076	42	5	53	Do not slice, replaced by Seq#110		85
10/23/2013	BA8DC	1	33.70361	-118.33185	42	3	57	Do not slice, replaced by Seq#111		97
10/15/2013	OA34	1	33.68956	-118.32489	70	9	36		Y	6
10/21/2013	BA9DC	1	33.69682	-118.31362	39	126	-99	Not on station		56
10/21/2013	BA9DC	1	33.69612	-118.31473	42	3	36	Do not slice, replaced by Seq#116		57
10/16/2013	OA10	1	33.69672	-118.33709	70	15	46	Do not slice, replaced by Seq#112		16
10/15/2013	OA35	1	33.68875	-118.32656	80	9	56		Y	7
10/21/2013	OA20	1	33.69742	-118.3172	42	8	-99	Core damaged when taking it out of core device		58
10/21/2013	OA20	1	33.69753	-118.31717	41	4	48	Do not slice, replaced by Seq#115		59
10/17/2013	OA21	1	33.68146	-118.31606	81	11	22	Core damaged during packaging		37
10/21/2013	OA22	2	33.68533	-118.31309	61	12	27	Do not slice, replaced by Seq#101		54
10/21/2013	OA23	1	33.69012	-118.31172	52	10	48	Do not slice, replaced by Seq#102		55
10/17/2013	OA24	1	33.67911	-118.31024	70	16	27	Core damaged on packaging		33

Appendix E - 2013 Sediment Cruise Logs
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

FIELD DAY	SITE	REPLICATE	SAMPLING LATITUDE	SAMPLING LONGITUDE	SAMPLING DEPTH (M)	DISTANCE FROM NOM (M)	BED PENETRATION (CM)	COMMENTS	USABLE?	SEQUENCE
10/17/2013	OA24	1	33.67895	-118.31029	71	7	-99	Not a good core		34
10/17/2013	OA24	1	33.67891	-118.31027	71	11	-99	Not a good core		35
10/17/2013	OA24	1	33.67915	-118.31022	70	20	12	Too short	Y?	36
10/23/2013	OA24	1	33.67903	-118.31032	71	4	23	Do not slice, replaced by Seq#106		98
10/29/2013	OA24	1	33.67887	-118.31016	71	21	-99	Resample - not enough penetration		105
10/21/2013	OA25	1	33.68565	-118.3055	52	7	45	Do not slice, replaced by Seq#100		52
10/21/2013	OA33	1	33.69236	-118.323	61	11	28	Do not slice, replaced by Seq#114		60
10/29/2013	OA33	1	33.6925	-118.32297	59	7	-99	Resample - inadequate penetration		113