

APPENDIX P
COLLECTION DATA AND VIDEOS – HIGH RESOLUTION GRAB SAMPLING
(WATER)

APPENDIX P.1
COLLECTION DATA – HIGH RESOLUTION GRAB SAMPLING (WATER)

Table 1 – Collection Data - High Resolution Grab Sampling (Water)
First MNR Report
Palos Verdes Shelf (OU 5 of the Montrose Chemical Corp. Superfund Site)
Los Angeles County, California

<i>Sampling date</i>	<i>Sampling time</i>	<i>Location name</i>	<i>Replicate?</i>	<i>Latitude (nominal)</i>	<i>Longitude (nominal)</i>	<i>Nominal depth</i>	<i>Depth (m)</i>
3/31/2015	8:37:43	BA9DC	N	33.69611	-118.31479	surface	5
3/31/2015	8:58:55	BA9DC	N	33.69610	-118.31492	mid-column	20
3/31/2015	9:16:35	BA9DC	N	33.69625	-118.31466	near-bottom	35
3/31/2015	9:26:37	BA9DC	Y ¹	33.69611	-118.31475	bottom	38
3/31/2015	9:34:36	BA9DC	N ¹	33.69617	-118.31479	bottom	38
3/31/2015	9:43:31	BA9DC	Y ¹	33.69613	-118.31506	bottom	38
3/31/2015	10:15:10	W4	N	33.69212	-118.34053	surface	5
3/31/2015	10:29:22	W4	N	33.69190	-118.34061	mid-column	100
3/31/2015	10:49:02	W4	N	33.69198	-118.34051	near-bottom	195
3/31/2015	11:13:46	W4	N	33.69244	-118.34043	bottom	198
3/31/2015	11:35:54	BA7C	N	33.70510	-118.34896	surface	5
3/31/2015	11:43:55	BA7C	N	33.70505	-118.34879	mid-column	30
3/31/2015	11:57:09	BA7C	N	33.70497	-118.34883	near-bottom	55
3/31/2015	12:28:21	BA7C ²	N	33.70489	-118.34891	bottom	58 ²
3/31/2015	12:39:20	BA8C	N	33.69838	-118.33582	surface	5
3/31/2015	12:47:11	BA8C	N	33.69822	-118.33579	mid-column	30
3/31/2015	12:58:53	BA8C	N	33.69851	-118.33568	near-bottom	55
3/31/2015	13:08:02	BA8C	Y ¹	33.69842	-118.33570	bottom	58
3/31/2015	13:16:38	BA8C	N ¹	33.69845	-118.33559	bottom	58
3/31/2015	13:23:53	BA8C	Y ¹	33.69845	-118.33570	bottom	58
9/23/2015	11:37	BA1B	N	33.74958	-118.44696	surface	5
9/23/2015	11:12	BA1B	N	33.74958	-118.44696	mid-column	75
9/23/2015	11:27	BA1B	N	33.74958	-118.44696	near-bottom	147
9/16/2015	11:03	BA1C	N	33.75733	-118.44095	surface	5
9/16/2015	11:10	BA1C	N	33.75733	-118.44095	mid-column	30
9/16/2015	11:23	BA1C	N	33.75733	-118.44095	near-bottom	57
9/16/2015	11:34	BA1C	N	33.75733	-118.44095	bottom	59
9/23/2015	11:48	BA1DC	N	33.76264	-118.43709	surface	5
9/23/2015	11:53	BA1DC	Y	33.76264	-118.43709	surface	5
9/16/2015	12:07	BA1DC	N	33.76264	-118.43709	mid-column	20
9/16/2015	12:15	BA1DC	N	33.76264	-118.43709	near-bottom	35
9/16/2015	14:51	BA2B	N	33.73234	-118.42601	surface	5
9/16/2015	15:01	BA2B	N	33.73234	-118.42601	mid-column	75
9/23/2015	12:28	BA2B	N	33.73234	-118.42601	near-bottom	145
9/23/2015	12:43	BA2C	N	33.73778	-118.42322	surface	5
9/16/2015	13:54	BA2C	N	33.73778	-118.42322	mid-column	30
9/16/2015	14:06	BA2C	N	33.73778	-118.42322	near-bottom	55
9/16/2015	12:43	BA2DC	N	33.73977	-118.42214	surface	5
9/16/2015	12:54	BA2DC	N	33.73977	-118.42214	mid-column	20
9/16/2015	13:27	BA2DC	N	33.73977	-118.42214	near-bottom	39
9/23/2015	13:22	BA3B	N	33.72373	-118.40757	surface	5
9/23/2015	13:00	BA3B	N	33.72373	-118.40757	mid-column	75
9/23/2015	13:12	BA3B	N	33.72373	-118.40757	near-bottom	153
9/16/2015	16:58	BA3C	N	33.73015	-118.40246	surface	5
11/30/2015	12:50	BA3C ³	N	33.73015	-118.40246	surface	5 ³
9/16/2015	17:08	BA3C	N	33.73015	-118.40246	mid-column	30
9/16/2015	17:20	BA3C	N	33.73015	-118.40246	near-bottom	55
9/16/2015	17:29	BA3C	N	33.73015	-118.40246	bottom	58
9/16/2015	16:33	BA3DC	N	33.73250	-118.40071	surface	5
9/16/2015	16:41	BA3DC	N	33.73250	-118.40071	mid-column	20

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Sampling date	Sampling time	Location name	Replicate?	Latitude (nominal)	Longitude (nominal)	Nominal depth	Depth (m)
9/16/2015	16:50	BA3DC	N	33.73250	-118.40071	near-bottom	38
9/17/2015	17:19	BA4B	N	33.71670	-118.38742	surface	5
9/17/2015	18:04	BA4B	N	33.71670	-118.38742	mid-column	75
9/17/2015	17:44	BA4B	N	33.71670	-118.38742	near-bottom	141
9/17/2015	18:17	BA4C	N	33.72355	-118.38744	surface	5
9/17/2015	18:28	BA4C	N	33.72355	-118.38744	mid-column	30
9/17/2015	18:51	BA4C	N	33.72355	-118.38744	near-bottom	55
9/17/2015	19:03	BA4C	N	33.72355	-118.38744	bottom	58
9/23/2015	13:52	BA4DC	N	33.72927	-118.38182	surface	5
9/23/2015	13:39	BA4DC	N	33.72927	-118.38182	mid-column	20
9/23/2015	13:46	BA4DC	N	33.72927	-118.38182	near-bottom	36
9/22/2015	10:32	BA5B	N	33.70901	-118.36804	surface	5
9/22/2015	10:42	BA5B	N	33.70901	-118.36804	mid-column	75
9/22/2015	10:58	BA5B	N	33.70901	-118.36804	near-bottom	145
9/22/2015	11:14	BA5C	N	33.71468	-118.36603	surface	5
9/22/2015	11:59	BA5C	N	33.71468	-118.36603	mid-column	30
9/22/2015	11:49	BA5C	N	33.71468	-118.36603	near-bottom	55
9/22/2015	11:23	BA5C	N	33.71468	-118.36603	bottom	59
9/22/2015	11:34	BA5C	Y	33.71468	-118.36603	bottom	59
9/22/2015	13:07	BA5DC	N	33.72050	-118.36388	surface	5
9/22/2015	13:00	BA5DC	N	33.72050	-118.36388	mid-column	20
9/22/2015	12:51	BA5DC	N	33.72050	-118.36388	near-bottom	35
9/22/2015	12:31	BA5DC	N	33.72050	-118.36388	bottom	38
9/22/2015	12:42	BA5DC	Y	33.72050	-118.36388	bottom	38
9/22/2015	14:08	BA6B	N	33.70303	-118.35598	surface	5
9/22/2015	13:57	BA6B	N	33.70303	-118.35598	mid-column	75
9/22/2015	13:37	BA6B	N	33.70303	-118.35598	near-bottom	130
9/22/2015	14:43	BA6BC	N	33.70450	-118.35645	surface	5
9/22/2015	14:35	BA6BC	N	33.70450	-118.35645	mid-column	50
9/22/2015	14:24	BA6BC	N	33.70450	-118.35645	near-bottom	88
9/22/2015	15:23	BA6C	N	33.70786	-118.35404	surface	5
9/22/2015	15:23	BA6C	N	33.70786	-118.35404	mid-column	30
9/24/2015	11:18	BA6C	N	33.70786	-118.35404	near-bottom	54
9/22/2015	15:56	BA6DC	N	33.71262	-118.35081	surface	5
11/30/2015	11:22	BA6DC ⁴	N	33.71262	-118.35081	mid-column	20 ⁴
9/22/2015	15:39	BA6DC	N	33.71262	-118.35081	near-bottom	35
9/24/2015	10:12	BA7B	N	33.70083	-118.35143	surface	5
9/24/2015	10:37	BA7B	N	33.70083	-118.35143	mid-column	75
9/24/2015	10:23	BA7B	N	33.70083	-118.35143	near-bottom	140
9/24/2015	10:48	BA7BC	N	33.70191	-118.35105	surface	5
9/24/2015	10:57	BA7BC	N	33.70191	-118.35105	mid-column	50
9/24/2015	11:07	BA7BC	N	33.70191	-118.35105	near-bottom	91
9/22/2015	17:03	BA7DC	N	33.70946	-118.34550	surface	5
9/22/2015	16:55	BA7DC	N	33.70946	-118.34550	mid-column	20
9/22/2015	16:47	BA7DC	N	33.70946	-118.34550	near-bottom	35
9/22/2015	16:13	BA7DC	Y ¹	33.70946	-118.34550	bottom	39
9/22/2015	16:26	BA7DC	N ¹	33.70946	-118.34550	bottom	39
9/22/2015	16:36	BA7DC	Y ¹	33.70946	-118.34550	bottom	39
9/24/2015	9:11	BA8B	N	33.69222	-118.33730	surface	5
9/24/2015	9:02	BA8B	N	33.69222	-118.33730	mid-column	75

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9/24/2015	8:49	BA8B	N	33.69222	-118.33730	near-bottom	142
9/24/2015	9:53	BA8BC	N	33.69392	-118.33699	surface	5
9/24/2015	9:20	BA8BC	N	33.69392	-118.33699	mid-column	50
9/24/2015	9:29	BA8BC	N	33.69392	-118.33699	near-bottom	92
9/24/2015	10:01	BA8C ⁵	N	33.69852	-118.33568	surface	5 ⁵
9/24/2015	12:09	BA8DC	N	33.70370	-118.33181	surface	5
9/24/2015	12:04	BA8DC	N	33.70370	-118.33181	mid-column	20
9/24/2015	11:57	BA8DC	N	33.70370	-118.33181	near-bottom	35
9/24/2015	11:49	BA8DC	N	33.70370	-118.33181	bottom	38
9/24/2015	8:31	BA9B	N	33.68153	-118.32186	surface	5
9/24/2015	8:24	BA9B	N	33.68153	-118.32186	mid-column	75
9/24/2015	8:10	BA9B	N	33.68153	-118.32186	near-bottom	146
9/24/2015	12:29	BA9BC	N	33.68350	-118.32079	surface	5
9/24/2015	12:47	BA9BC	N	33.68350	-118.32079	mid-column	50
9/24/2015	12:37	BA9BC	N	33.68350	-118.32079	near-bottom	90
9/24/2015	12:57	BA9C	N	33.68862	-118.31831	surface	5
9/24/2015	13:18	BA9C	N	33.68862	-118.31831	mid-column	30
9/24/2015	13:25	BA9C	N	33.68862	-118.31831	near-bottom	56
9/24/2015	13:04	BA9C	N	33.68862	-118.31831	bottom	58
9/25/2015	8:02	BA10B	N	33.66214	-118.29837	surface	5
9/25/2015	8:38	BA10B	N	33.66214	-118.29837	mid-column	75
9/25/2015	8:23	BA10B	N	33.66214	-118.29837	near-bottom	141
9/25/2015	7:36	BA10C	N	33.66847	-118.29689	surface	5
9/25/2015	7:50	BA10C	N	33.66847	-118.29689	mid-column	30
9/25/2015	7:42	BA10C	N	33.66847	-118.29689	near-bottom	56
9/15/2015	1535	BA10DC	N	33.68578	-118.29059	surface	5
9/15/2015	1603	BA10DC	N	33.68578	-118.29059	mid-column	20
9/15/2015	1615	BA10DC	N	33.68578	-118.29059	near-bottom	35
9/25/2015	10:30	T11	N	33.60092	-118.08665	surface	5
9/25/2015	10:50	T11	N	33.60092	-118.08665	mid-column	30
9/25/2015	10:43	T11	N	33.60092	-118.08665	near-bottom	55
9/25/2015	10:36	T11	N	33.60092	-118.08665	bottom	58
9/16/2015	8:42	W1	N	33.77370	-118.45448	surface	5
9/16/2015	8:54	W1	N	33.77370	-118.45448	mid-column	30
9/16/2015	9:10	W1	N	33.77370	-118.45448	near-bottom	57
9/16/2015	9:34	W1	N	33.77370	-118.45448	bottom	60
9/23/2015	10:48	W2	N	33.76285	-118.46113	surface	5
9/23/2015	9:39	W2	N	33.76285	-118.46113	mid-column	100
9/23/2015	10:36	W2	N	33.76285	-118.46113	near-bottom	192
9/23/2015	9:56	W2	N	33.76285	-118.46113	bottom	202
9/17/2015	16:46	W3	N	33.71265	-118.38463	surface	5
9/17/2015	17:05	W3	N	33.71265	-118.38463	mid-column	100
9/22/2015	9:49	W3	N	33.71265	-118.38463	near-bottom	187
9/17/2015	16:01	W3	N	33.71265	-118.38463	bottom	200
9/24/2015	13:50	W5	N	33.66808	-118.29455	surface	5
9/24/2015	14:18	W5	N	33.66808	-118.29455	mid-column	30
9/24/2015	14:11	W5	N	33.66808	-118.29455	near-bottom	55
9/24/2015	13:56	W5	N	33.66808	-118.29455	bottom	53
9/24/2015	14:03	W5	Y	33.66808	-118.29455	bottom	53

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Footnotes

1. Samples from BA9DC at 38 m, BA8C at 58 m, and BA7DC at 39 m were collected in triplicate.
2. Sample BA7C at 58 m collected at 12:11 am was not useable due to sediment entrainment in the sample bottle after the sampling device contacted the surface sediment. It was successfully re-collected at 12:35 am.
3. Sample BA3C at 5 m was collected on 11/30/2015 as a temporal replicate of the sample collected at the same location on 9/26/2015.
4. Sample BA6DC at 20 m collected on 9/16/2015 was broken during shipment to the lab. It was successfully re-collected on 11/30/2015.
5. Sample BA8C at 5 m collected on 3/31/15 had a broken cap during shipment to the lab. It was successfully re-collected on 9/24/2015.