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California Regional Water Quality Control Board
North Coast Region

RWQCB
REGION 1

SEP 14 2002

☐ SAW ☐ FCR ☐
☐ RLT ☐ LGR ☐ KAD
☐ NPO ☐ RSG ☐ EJL

ATTACHMENT "B"

Permittee: City of Ukiah

WDID No.: 1B84029OMEN

Contact Name: Jerry Gall

Phone Number: 707-467-2818

Name of Laboratory: Alpha Analytical Labs

ELAP No.: 1551

Laboratory Contact: Karen Daly

Lab Phone Number: 707-468-0401

Type of Sample (Receiving Water vs. Effluent): Receiving

Report Number: A204211-01

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River

pH: 6.7

Hardness: 79 mg/L

Sample Location: River

Salinity: <10 g/kg

Flow Rate:
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
1	Antimony	4/9/02	Grab	4/18/02	200.9	ND	6	2	2	
2	Arsenic	4/9/02	Grab	4/19/02	200.9	DNQ 0.97	2	0.86	0.86	Est. Conc.
3	Beryllium	4/9/02	Grab	4/18/02	200.7	ND	1	0.1	0.1	
4	Cadmium	4/9/02	Grab	4/18/02	200.7	ND	1	0.7	0.7	
5a	Chromium (total)	4/9/02	Grab	4/18/02	200.7	ND	10	1.7	1.7	
5b	Chromium (VI)	4/9/02	Grab	4/9/02	7196	ND	10	5	5	
6	Copper	4/9/02	Grab	4/18/02	200.7	ND	9	1.5	1.5	
7	Lead	4/9/02	Grab	4/22/02	200.9	DNQ 0.67	2	0.5	0.5	Est. Conc.
8	Mercury	4/9/02	Grab	4/19/02	1631	0.0024	0.0005	0.00017	0.00017	
9	Nickel	4/9/02	Grab	4/18/02	200.7	DNQ 2.6	10	2.1	2.1	Est. Conc.
10	Selenium	4/9/02	Grab	4/19/02	200.9	ND	5	1	1	
11	Silver	4/9/02	Grab	4/18/02	200.7	ND	10	2.9	2.9	
12	Thallium	4/9/02	Grab	4/18/02	200.9	ND	1	0.9	0.9	
13	Zinc	4/9/02	Grab	4/18/02	200.7	DNQ 5.5	20	5	5	Est. Conc.
14	Cyanide	4/9/02	Grab	4/19/02	335.2	ND	3	2	2	
15	Asbestos	4/9/02	Grab	4/11/02	100.2	0.041	0.021mf/l	0.021mf/l	0.021mf/l	
16	2,3,7,8-TCDD (Dioxin)	4/9/02	Grab	4/15/02	1613	ND	1.OE-05	1.OE-05	1.OE-05	
17	Acrolein	4/9/02	Grab	4/12/02	624	ND	2	0.36	0.36	
18	Acrylonitrile	4/9/02	Grab	4/12/02	624	ND	2	0.14	0.14	
19	Benzene	4/9/02	Grab	4/12/02	624	ND	0.3	0.08	0.08	
20	Bromoform	4/9/02	Grab	4/12/02	624	ND	0.5	0.099	0.099	
21	Carbon Tetrachloride	4/9/02	Grab	4/12/02	624	ND	0.5	0.19	0.19	

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Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
22	Chlorobenzene	4/9/02	Grab	4/12/02	624	ND	0.5	0.075	0.075	
23	Chlorodibromomethane	4/9/02	Grab	4/12/02	624	ND	0.5	0.11	0.11	
24	Chloroethane	4/9/02	Grab	4/12/02	624	ND	0.5	0.29	0.29	
25	2-Chloroethylvinyl Ether									
26	Chloroform	4/9/02	Grab	4/12/02	624	ND	0.5	0.084	0.084	
27	Dichlorobromomethane	4/9/02	Grab	4/12/02	624	ND	0.5	0.1	0.1	
28	1,1-Dichloroethane	4/9/02	Grab	4/12/02	624	ND	0.5	0.14	0.14	
29	1,2-Dichloroethane	4/9/02	Grab	4/12/02	624	ND	0.5	0.21	0.21	
30	1,1-Dichloroethylene	4/9/02	Grab	4/12/02	624	ND	0.5	0.19	0.19	
31	1,2-Dichloropropane	4/9/02	Grab	4/12/02	624	ND	0.5	0.13	0.13	
32	1,3-Dichloropropylene	4/9/02	Grab	4/12/02	624	ND	0.5	0.12	0.12	
33	Ethylbenzene	4/9/02	Grab	4/12/02	624	ND	0.5	0.11	0.11	
34	Methyl Bromide	4/9/02	Grab	4/12/02	624	ND	0.5	0.2	0.2	
35	Methyl Chloride	4/9/02	Grab	4/12/02	624	ND	0.5	0.14	0.14	
36	Methylene Chloride	4/9/02	Grab	4/12/02	624	DNQ 0.46	0.5	0.16	0.16	Est. Conc.
37	1,1,2,2-Tetrachloroethane	4/9/02	Grab	4/12/02	624	ND	0.5	0.057	0.057	
38	Tetrachloroethylene	4/9/02	Grab	4/12/02	624	ND	0.5	0.21	0.21	
39	Toluene	4/9/02	Grab	4/12/02	624	ND	0.3	0.11	0.11	
40	1,2-Trans-Dichloroethylene	4/9/02	Grab	4/12/02	624	ND	0.5	0.16	0.16	
41	1,1,1-Trichloroethane	4/9/02	Grab	4/12/02	624	ND	0.5	0.13	0.13	
42	1,1,2-Trichloroethane	4/9/02	Grab	4/12/02	624	ND	0.5	0.12	0.12	
43	Trichloroethylene	4/9/02	Grab	4/12/02	624	ND	0.5	0.13	0.13	
44	Vinyl Chloride	4/9/02	Grab	4/12/02	624	ND	0.5	0.17	0.17	
45	2-Chlorophenol	4/9/02	Grab	4/16/02	625	ND	5	5	10	
46	2,4-Dichlorophenol	4/9/02	Grab	4/16/02	625	ND	5	5	10	
47	2,4-Dimethylphenol	4/9/02	Grab	4/16/02	625	ND	2	2	4	
48	2-Methyl-4,6-Dinitrophenol	4/9/02	Grab	4/16/02	625	ND	5	5	10	
49	2,4-Dinitrophenol	4/9/02	Grab	4/16/02	625	ND	5	5	10	
50	2-Nitrophenol	4/9/02	Grab	4/16/02	625	ND	10	10	20	
51	4-Nitrophenol	4/9/02	Grab	4/16/02	625	ND	10	10	20	
52	3-Methyl-4-Chlorophenol	4/9/02	Grab	4/16/02	625	ND	1	1	2	
53	Pentachlorophenol	4/9/02	Grab	4/16/02	625	ND	5	5	10	
54	Phenol	4/9/02	Grab	4/16/02	625	ND	1	1	2	
55	2,4,6-Trichlorophenol	4/9/02	Grab	4/16/02	625	ND	10	10	20	
56	Acenaphthene	4/9/02	Grab	4/16/02	625	ND	1	1	2	
57	Acenaphthylene	4/9/02	Grab	4/16/02	625	ND	10	10	20	
58	Anthracene	4/9/02	Grab	4/16/02	625	ND	10	10	20	
59	Benzidine	4/9/02	Grab	4/16/02	625	ND	5	5	10	
60	Benzo(a)Anthracene	4/9/02	Grab	4/16/02	625	ND	10	10	20	
61	Benzo(a)Pyrene	4/9/02	Grab	4/16/02	625	ND	10	10	20	

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Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
62	Benzo(b)Fluoranthene	4/9/02	Grab	4/16/02	625	ND	10	10	20	
63	Benzo(ghi)Perylene	4/9/02	Grab	4/16/02	625	ND	5	5	10	
64	Benzo(k)Fluoranthene	4/9/02	Grab	4/16/02	625	ND	10	10	20	
65	Bis(2-Chloroethoxy) Methane	4/9/02	Grab	4/16/02	625	ND	5	5	10	
66	Bis(2-Chloroethyl) Ether	4/9/02	Grab	4/16/02	625	ND	1	1	2	
67	Bis(2-Chloroisopropyl) Ether	4/9/02	Grab	4/16/02	625	ND	2	2	4	
68	Bis (2-Ethylhexyl) Phthalate	4/9/02	Grab	4/16/02	625	ND	5	5	10	
69	4-Bromophenyl Phenyl Ether	4/9/02	Grab	4/16/02	625	ND	5	5	10	
70	Butylbenzyl Phthalate	4/9/02	Grab	4/16/02	625	ND	10	10	20	
71	2-Chloronaphthalene	4/9/02	Grab	4/16/02	625	ND	10	10	20	
72	4-Chlorophenyl Phenyl Ether	4/9/02	Grab	4/16/02	625	ND	5	5	10	
73	Chrysene	4/9/02	Grab	4/16/02	625	ND	10	10	20	
74	Dibenzo(a,h) Anthracene	4/9/02	Grab	4/16/02	625	ND	10	10	20	
75	1,2 Dichlorobenzene	4/9/02	Grab	4/12/02	624	ND	0.5	0.11	0.11	
76	1,3 Dichlorobenzene	4/9/02	Grab	4/12/02	624	ND	0.5	0.11	0.11	
77	1,4 Dichlorobenzene	4/9/02	Grab	4/12/02	624	ND	0.5	0.081	0.081	
78	3,3'-Dichlorobenzidine	4/9/02	Grab	4/16/02	625	ND	5	5	10	
79	Diethyl Phthalate	4/9/02	Grab	4/16/02	625	ND	2	2	4	
80	Dimethyl Phthalate	4/9/02	Grab	4/16/02	625	ND	2	2	4	
81	Di-*n*-Butyl Phthalate	4/9/02	Grab	4/16/02	625	ND	10	10	20	
82	2,4-Dinitrotoluene	4/9/02	Grab	4/16/02	625	ND	5	5	10	
83	2,6-Dinitrotoluene	4/9/02	Grab	4/16/02	625	ND	5	5	10	
84	Di-n-Octyl Phthalate	4/9/02	Grab	4/16/02	625	ND	10	10	20	
85	1,2-Diphenylhydrazine	4/9/02	Grab	4/16/02	625	ND	1	1	2	
86	Fluoranthene	4/9/02	Grab	4/16/02	625	ND	1	1	2	
87	Fluorene	4/9/02	Grab	4/16/02	625	ND	10	10	20	
88	Hexachlorobenzene	4/9/02	Grab	4/16/02	625	ND	1	1	2	
89	Hexachlorobutadiene	4/9/02	Grab	4/16/02	625	ND	1	1	2	
90	Hexachlorocyclopentadiene	4/9/02	Grab	4/16/02	625	ND	5	5	10	
91	Hexachloroethane	4/9/02	Grab	4/16/02	625	ND	1	1	2	
92	Indeno(1,2,3-*cd*)Pyrene	4/9/02	Grab	4/16/02	625	ND	10	10	20	
93	Isophorone	4/9/02	Grab	4/16/02	625	ND	1	1	2	
94	Naphthalene	4/9/02	Grab	4/16/02	625	ND	1	1	2	
95	Nitrobenzene	4/9/02	Grab	4/16/02	625	ND	1	1	2	
96	N-Nitrosodimethylamine	4/9/02	Grab	4/16/02	625	ND	5	5	10	
97	N-Nitrosodi-n-Propylamine	4/9/02	Grab	4/16/02	625	ND	5	5	10	
98	N-Nitrosodiphenylamine	4/9/02	Grab	4/16/02	625	ND	1	1	2	
99	Phenanthrene	4/9/02	Grab	4/16/02	625	ND	5	5	10	
100	Pyrene	4/9/02	Grab	4/16/02	625	ND	10	10	20	
101	1,2,4-Trichlorobenzene	4/9/02	Grab	4/16/02	625	ND	5	5	10	

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Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
102	Aldrin	4/9/02	Grab	4/17/02	608	ND	0.005	0.0032	0.0032	
103	alpha-BHC	4/9/02	Grab	4/17/02	608	ND	0.01	0.0047	0.0047	
104	beta-BHC	4/9/02	Grab	4/17/02	608	ND	0.005	0.0039	0.0039	
105	gamma-BHC	4/9/02	Grab	4/17/02	608	ND	0.01	0.0069	0.0069	
106	Delta-BHC	4/9/02	Grab	4/17/02	608	ND	0.005	0.0041	0.0041	
107	Chlordane	4/9/02	Grab	4/17/02	608	ND	0.05	0.035	0.035	
108	4,4'-DDT	4/9/02	Grab	4/17/02	608	ND	0.01	0.0059	0.0059	
109	4,4'-DDE	4/9/02	Grab	4/17/02	608	ND	0.02	0.0032	0.0032	
110	4,4'-DDD	4/9/02	Grab	4/17/02	608	ND	0.02	0.0056	0.0056	
111	Dieldrin	4/9/02	Grab	4/17/02	608	ND	0.01	0.0042	0.0042	
112	alpha-Endosulfan	4/9/02	Grab	4/17/02	608	ND	0.01	0.0037	0.0037	
113	beta-Endosulfan	4/9/02	Grab	4/17/02	608	ND	0.01	0.0053	0.0053	
114	Endosulfan Sulfate	4/9/02	Grab	4/17/02	608	ND	0.05	0.007	0.007	
115	Endrin	4/9/02	Grab	4/17/02	608	ND	0.01	0.0084	0.0084	
116	Endrin Aldehyde	4/9/02	Grab	4/17/02	608	ND	0.01	0.01	0.01	
117	Heptachlor	4/9/02	Grab	4/17/02	608	ND	0.01	0.0058	0.0058	
118	Heptachlor Epoxide	4/9/02	Grab	4/17/02	608	ND	0.01	0.0066	0.0066	
Polychlorinated biphenyls (PCBs)										
119	*PCB Arochlor 1016*	4/9/02	Grab	4/17/02	608	ND	0.5	0.19	0.19	
120	*PCB Arochlor 1221*	4/9/02	Grab	4/17/02	608	ND	0.5	0.19	0.19	
121	*PCB Arochlor 1232*	4/9/02	Grab	4/17/02	608	ND	0.5	0.19	0.19	
122	*PCB Arochlor 1242*	4/9/02	Grab	4/17/02	608	ND	0.5	0.19	0.19	
123	*PCB Arochlor 1248*	4/9/02	Grab	4/17/02	608	ND	0.5	0.19	0.19	
124	*PCB Arochlor 1254*	4/9/02	Grab	4/17/02	608	ND	0.5	0.19	0.19	
125	*PCB Arochlor 1260*	4/9/02	Grab	4/17/02	608	ND	0.5	0.19	0.19	
126	Toxaphene	4/9/02	Grab	4/17/02	608	ND	0.5	0.21	0.21	

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California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

Permittee: City of Ukiah

WDID No.: 1B84029OMEN

Contact Name: Jerry Gall

Phone Number: 707-467-2818

Name of Laboratory: Alpha Analytical Labs

ELAP No.: 1551

Laboratory Contact: Karen Daly

Lab Phone Number: 707-468-0401

Type of Sample (Receiving Water vs. Effluent): Receiving

Report Number: A201491-01

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River

pH: 7.4

Hardness: 76 mg/l

Sample Location: River

Salinity: 0.0 g/kg

Flow Rate:
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
1	Antimony	1/23/02	Grab	2/4/02	200.9	ND	6	2	2	
2	Arsenic	1/23/02	Grab	2/1/02	200.9	DNQ 1.2	2	0.86	0.86	Est. Conc.
3	Beryllium	1/23/02	Grab	2/4/02	200.7	ND	1	0.1	0.1	
4	Cadmium	1/23/02	Grab	2/4/02	200.7	ND	1	0.7	0.7	
5a	Chromium (total)	1/23/02	Grab	2/4/02	200.7	DNQ 1.7	10	1.7	1.7	Est. Conc.
5b	Chromium (VI)	1/23/02	Grab	1/24/02	7196	ND	10	5	5	
6	Copper	1/23/02	Grab	2/4/02	200.7	ND	9	1.5	1.5	
7	Lead	1/23/02	Grab	2/6/02	200.9	DNQ 1.2	2	0.5	0.5	Est. Conc.
8	Mercury	1/23/02	Grab	2/6/02	1631	0.0025	0.0005	0.00017	0.00017	Analyzed by Cal-Test #1664
9	Nickel	1/23/02	Grab	2/4/02	200.7	DNQ 3.6	10	2.1	2.1	Est. Conc.
10	Selenium	1/23/02	Grab	2/1/02	200.9	ND	5	1	1	
11	Silver	1/23/02	Grab	2/6/02	200.7	ND	10	2.9	2.9	
12	Thallium	1/23/02	Grab	2/4/02	200.9	ND	1	0.9	0.9	
13	Zinc	1/23/02	Grab	2/4/02	200.7	39	20	5	5	
14	Cyanide	1/23/02	Grab	1/30/02	335.2	ND	3	2	2	
15	Asbestos	1/23/02	Grab	1/29/02	100.2	ND	0.021mf/l	0.021mf/l	0.021mf/l	Analyzed by R. J. Lee #2229
16	2,3,7,8-TCDD (Dioxin)	1/23/02	Grab	2/20/02	1613	ND	1.OE-05	1.OE-05	1.OE-05	Analyzed by Severn Trent #01119CA
17	Acrolein	1/23/02	Grab	1/25/02	624	ND	2	0.33	0.33	
18	Acrylonitrile	1/23/02	Grab	1/25/02	624	ND	2	0.25	0.25	
19	Benzene	1/23/02	Grab	1/25/02	624	ND	0.3	0.09	0.09	
20	Bromoform	1/23/02	Grab	1/25/02	624	ND	0.5	0.08	0.08	
21	Carbon Tetrachloride	1/23/02	Grab	1/25/02	624	ND	0.5	0.24	0.24	

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Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
22	Chlorobenzene	1/23/02	Grab	1/25/02	624	ND	0.5	0.08	0.08	
23	Chlorodibromomethane	1/23/02	Grab	1/25/02	624	ND	0.5	0.13	0.13	
24	Chloroethane	1/23/02	Grab	1/25/02	624	ND	0.5	0.28	0.28	
25	2-Chloroethylvinyl Ether									
26	Chloroform	1/23/02	Grab	1/25/02	624	ND	0.5	0.14	0.14	
27	Dichlorobromomethane	1/23/02	Grab	1/25/02	624	ND	0.5	0.11	0.11	
28	1,1-Dichloroethane	1/23/02	Grab	1/25/02	624	ND	0.5	0.14	0.14	
29	1,2-Dichloroethane	1/23/02	Grab	1/25/02	624	ND	0.5	0.13	0.13	
30	1,1-Dichloroethylene	1/23/02	Grab	1/25/02	624	ND	0.5	0.16	0.16	
31	1,2-Dichloropropane	1/23/02	Grab	1/25/02	624	ND	0.5	0.1	0.1	
32	1,3-Dichloropropylene	1/23/02	Grab	1/25/02	624	ND	0.5	0.19	0.19	
33	Ethylbenzene	1/23/02	Grab	1/25/02	624	ND	0.5	0.09	0.09	
34	Methyl Bromide	1/23/02	Grab	1/25/02	624	ND	0.5	0.39	0.39	
35	Methyl Chloride	1/23/02	Grab	1/25/02	624	ND	0.5	0.21	0.21	
36	Methylene Chloride	1/23/02	Grab	1/25/02	624	ND	0.5	0.07	0.07	
37	1,1,2,2-Tetrachloroethane	1/23/02	Grab	1/25/02	624	ND	0.5	0.14	0.14	
38	Tetrachloroethylene	1/23/02	Grab	1/25/02	624	ND	0.5	0.17	0.17	
39	Toluene	1/23/02	Grab	1/25/02	624	ND	0.3	0.13	0.13	
40	1,2-Trans-Dichloroethylene	1/23/02	Grab	1/25/02	624	ND	0.5	0.1	0.1	
41	1,1,1-Trichloroethane	1/23/02	Grab	1/25/02	624	ND	0.5	0.17	0.17	
42	1,1,2-Trichloroethane	1/23/02	Grab	1/25/02	624	ND	0.5	0.1	0.1	
43	Trichloroethylene	1/23/02	Grab	1/25/02	624	ND	0.5	0.15	0.15	
44	Vinyl Chloride	1/23/02	Grab	1/25/02	624	ND	0.5	0.34	0.34	
45	2-Chlorophenol	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
46	2,4-Dichlorophenol	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
47	2,4-Dimethylphenol	1/23/02	Grab	2/1/02	625	ND	2	2	2	Analyzed by McCampbell #1644
48	2-Methyl-4,6-Dinitrophenol	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
49	2,4-Dinitrophenol	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
50	2-Nitrophenol	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
51	4-Nitrophenol	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
52	3-Methyl-4-Chlorophenol	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
53	Pentachlorophenol	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
54	Phenol	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
55	2,4,6-Trichlorophenol	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
56	Acenaphthene	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
57	Acenaphthylene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
58	Anthracene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
59	Benzidine	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
60	Benzo(a)Anthracene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
61	Benzo(a)Pyrene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644

This represents an amended copy of the original report.

	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
2	Benzo(b)Fluoranthene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
3	Benzo(ghi)Perylene	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
4	Benzo(k)Fluoranthene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
5	Bis(2-Chloroethoxy) Methane	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
6	Bis(2-Chloroethyl) Ether	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
7	Bis(2-Chloroisopropyl) Ether	1/23/02	Grab	2/1/02	625	ND	2	2	2	Analyzed by McCampbell #1644
8	Bis (2-Ethylhexyl) Phthalate	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
9	4-Bromophenyl Phenyl Ether	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
0	Butylbenzyl Phthalate	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
1	2-Chloronaphthalene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
2	4-Chlorophenyl Phenyl Ether	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
3	Chrysene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
4	Dibenzo(a,h) Anthracene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
75	1,2 Dichlorobenzene	1/23/02	Grab	1/25/02	624	ND	0.5	0.12	0.12	
76	1,3 Dichlorobenzene	1/23/02	Grab	1/25/02	624	ND	0.5	0.13	0.13	
77	1,4 Dichlorobenzene	1/23/02	Grab	1/25/02	624	ND	0.5	0.12	0.12	
78	3,3'-Dichlorobenzidine	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
79	Diethyl Phthalate	1/23/02	Grab	2/1/02	625	ND	2	2	2	Analyzed by McCampbell #1644
80	Dimethyl Phthalate	1/23/02	Grab	2/1/02	625	ND	2	2	2	Analyzed by McCampbell #1644
81	Di-n-Butyl Phthalate	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
82	2,4-Dinitrotoluene	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
83	2,6-Dinitrotoluene	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
84	Di-n-Octyl Phthalate	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
85	1,2-Diphenylhydrazine	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
86	Fluoranthene	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
87	Fluorene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
88	Hexachlorobenzene	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
89	Hexachlorobutadiene	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
90	Hexachlorocyclopentadiene	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
91	Hexachloroethane	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
92	Indeno(1,2,3-cd)Pyrene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
93	Isophorone	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
94	Naphthalene	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
95	Nitrobenzene	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
96	N-Nitrosodimethylamine	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
97	N-Nitrosodi-n-Propylamine	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
98	N-Nitrosodiphenylamine	1/23/02	Grab	2/1/02	625	ND	1	1	1	Analyzed by McCampbell #1644
99	Phenanthrene	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644
100	Pyrene	1/23/02	Grab	2/1/02	625	ND	10	10	10	Analyzed by McCampbell #1644
101	1,2,4-Trichlorobenzene	1/23/02	Grab	2/1/02	625	ND	5	5	5	Analyzed by McCampbell #1644

This represents an amended copy of the original report.

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
102	Aldrin	1/23/02	Grab	2/6/02	608	ND	0.005	0.0032	0.0032	
103	alpha-BHC	1/23/02	Grab	2/6/02	608	ND	0.01	0.0047	0.0047	
104	beta-BHC	1/23/02	Grab	2/6/02	608	ND	0.005	0.0039	0.0039	
105	gamma-BHC	1/23/02	Grab	2/6/02	608	ND	0.01	0.0069	0.0069	
106	Delta-BHC	1/23/02	Grab	2/6/02	608	ND	0.005	0.0041	0.0041	
107	Chlordane	1/23/02	Grab	2/6/02	608	ND	0.05	0.035	0.035	
108	4,4'-DDT	1/23/02	Grab	2/6/02	608	ND	0.01	0.0059	0.0059	
109	4,4'-DDE	1/23/02	Grab	2/6/02	608	ND	0.02	0.0032	0.0032	
110	4,4'-DDD	1/23/02	Grab	2/6/02	608	ND	0.02	0.0056	0.0056	
111	Dieldrin	1/23/02	Grab	2/6/02	608	ND	0.01	0.0042	0.0042	
112	alpha-Endosulfan	1/23/02	Grab	2/6/02	608	ND	0.01	0.0037	0.0037	
113	beta-Endosulfan	1/23/02	Grab	2/6/02	608	ND	0.01	0.0053	0.0053	
114	Endosulfan Sulfate	1/23/02	Grab	2/6/02	608	ND	0.05	0.007	0.007	
115	Endrin	1/23/02	Grab	2/6/02	608	ND	0.01	0.0084	0.0084	
116	Endrin Aldehyde	1/23/02	Grab	2/6/02	608	ND	0.01	0.01	0.01	
117	Heptachlor	1/23/02	Grab	2/6/02	608	ND	0.01	0.0058	0.0058	
118	Heptachlor Epoxide	1/23/02	Grab	2/6/02	608	ND	0.01	0.0066	0.0066	
Polychlorinated biphenyls (PCBs)		1/23/02	Grab							
119	*PCB Arochlor 1016*	1/23/02	Grab	2/6/02	608	ND	0.5	0.19	0.19	
120	*PCB Arochlor 1221*	1/23/02	Grab	2/6/02	608	ND	0.5	0.19	0.19	
121	*PCB Arochlor 1232*	1/23/02	Grab	2/6/02	608	ND	0.5	0.19	0.19	
122	*PCB Arochlor 1242*	1/23/02	Grab	2/6/02	608	ND	0.5	0.19	0.19	
123	*PCB Arochlor 1248*	1/23/02	Grab	2/6/02	608	ND	0.5	0.19	0.19	
124	*PCB Arochlor 1254*	1/23/02	Grab	2/6/02	608	ND	0.5	0.19	0.19	
125	*PCB Arochlor 1260*	1/23/02	Grab	2/6/02	608	ND	0.5	0.19	0.19	
126	Toxaphene	1/23/02	Grab	2/6/02	608	ND	0.5	0.21	0.21	

California Regional Water Quality Control Board
North Coast Region

APR 29 2003

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ATTACHMENT "B"

NOVEMBER 2002

Permittee: Sonoma County Water Agency - ***Russian River Upstream***
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:
Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 108
Flow Rate: 527
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results: Actual Conc. (µg/L)	Analytical Results: DNQ or ND?	Analytical Results: Est. Conc. if DNQ (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
1	Antimony	11/11/02	Grab	11/19/02	200.9	<1.2	ND	---	6	1.2	1.2	Report #A211248
2	Arsenic	11/11/02	Grab	11/20/02	200.9	1.2	DNQ	1.2	2	0.56	0.56	Report #A211248
3	Beryllium	11/11/02	Grab	11/24/02	200.7	<0.1	ND	---	1	0.1	0.1	Report #A211248
4	Cadmium	11/11/02	Grab	11/24/02	200.7	<0.2	ND	---	1	0.2	0.2	Report #A211248
5a	Chromium (total)	11/11/02	Grab	11/24/02	200.7	1.8	DNQ	1.8	10	1.2	1.2	Report #A211248
5b	Chromium (VI)	11/11/02	Grab	11/12/02	7196	<5	ND	---	10	5	5	Report #A211248
6	Copper	11/11/02	Grab	11/24/02	200.7	<1	ND	---	9	1	1	Report #A211248
7	Lead	11/11/02	Grab	11/18/02	200.9	0.62	DNQ	0.62	2	0.34	0.34	Report #A211248
8	Mercury	---	---	---	---	---	---	---	---	---	---	See Basic Laboratories Results
9	Nickel	11/11/02	Grab	11/24/02	200.7	5.8	DNQ	5.8	10	1.3	1.3	Report #A211248
10	Selenium	11/11/02	Grab	11/21/02	200.9	<0.51	ND	---	5	0.51	0.51	Report #A211248
11	Silver	11/11/02	Grab	11/24/02	200.7	<1.6	ND	---	10	1.6	1.6	Report #A211248
12	Thallium	11/11/02	Grab	11/19/02	200.9	<0.36	ND	---	1	0.36	0.36	Report #A211248
13	Zinc	11/11/02	Grab	11/24/02	200.7	<1.3	ND	---	20	1.3	1.3	Report #A211248
14	Cyanide	11/11/02	Grab	11/20/02	335.2	<2	ND	---	3	2	2	Report #A211248
15	Asbestos	---	---	---	---	---	---	---	---	---	---	See RJ Lee Group Results
16	2,3,7,8-TCDD (Dioxin)	---	---	---	---	---	---	---	---	---	---	See Frontier Results
17	Acrolein	11/11/02	Grab	11/14/02	624	<0.36	ND	---	2	0.36	0.36	Report #A211248
18	Acrylonitrile	11/11/02	Grab	11/14/02	624	<0.14	ND	---	2	0.14	0.14	Report #A211248
19	Benzene	11/11/02	Grab	11/14/02	624	<0.08	ND	---	0.3	0.08	0.08	Report #A211248
20	Bromoform	11/11/02	Grab	11/14/02	624	<0.099	ND	---	0.5	0.099	0.099	Report #A211248
21	Carbon Tetrachloride	11/11/02	Grab	11/14/02	624	<0.19	ND	---	0.5	0.19	0.19	Report #A211248
22	Chlorobenzene	11/11/02	Grab	11/14/02	624	<0.075	ND	---	0.5	0.075	0.075	Report #A211248
23	Chlorodibromomethane	11/11/02	Grab	11/14/02	624	<0.11	ND	---	0.5	0.11	0.11	Report #A211248

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

NOVEMBER 2002

Permittee: Sonoma County Water Agency - *Russian River Upstream*
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:
Water Body: Russian River **pH: 7.4** **Hardness: 108**
Sample Location: Vacation Beach **Salinity: ND** **Flow Rate: 527**
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results: Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
24	Chloroethane	11/11/02	Grab	11/14/02	624	<0.29	ND	---	0.5	0.29	0.29	Report #A211248
25	2-Chloroethylvinyl Ether	---	---	---	---	---	---	---	---	---	---	Not required for Region 1
26	Chloroform	11/11/02	Grab	11/14/02	624	<0.084	ND	---	0.5	0.084	0.084	Report #A211248
27	Dichlorobromomethane	11/11/02	Grab	11/14/02	624	<0.10	ND	---	0.5	0.10	0.10	Report #A211248
28	1,1-Dichloroethane	11/11/02	Grab	11/14/02	624	<0.14	ND	---	0.5	0.14	0.14	Report #A211248
29	1,2-Dichloroethane	11/11/02	Grab	11/14/02	624	<0.21	ND	---	0.5	0.21	0.21	Report #A211248
30	1,1-Dichloroethylene	11/11/02	Grab	11/14/02	624	<0.19	ND	---	0.5	0.19	0.19	Report #A211248
31	1,2-Dichloropropane	11/11/02	Grab	11/14/02	624	<0.13	ND	---	0.5	0.13	0.13	Report #A211248
32	1,3-Dichloropropylene	11/11/02	Grab	11/14/02	624	<0.12	ND	---	0.5	0.12	0.12	Report #A211248
33	Ethylbenzene	11/11/02	Grab	11/14/02	624	<0.11	ND	---	0.5	0.11	0.11	Report #A211248
34	Methyl Bromide	11/11/02	Grab	11/14/02	624	<0.20	ND	---	0.5	0.20	0.20	Report #A211248
35	Methyl Chloride	11/11/02	Grab	11/14/02	624	<0.14	ND	---	0.5	0.14	0.14	Report #A211248
36	Methylene Chloride	11/11/02	Grab	11/14/02	624	<0.16	ND	---	0.5	0.16	0.16	Report #A211248
37	1,1,2,2-Tetrachloroethane	11/11/02	Grab	11/14/02	624	<0.057	ND	---	0.5	0.057	0.057	Report #A211248
38	Tetrachloroethylene	11/11/02	Grab	11/14/02	624	<0.21	ND	---	0.5	0.21	0.21	Report #A211248
39	Toulene	11/11/02	Grab	11/14/02	624	<0.11	ND	---	0.3	0.11	0.11	Report #A211248
40	1,2-Trans-Dichloroethylene	11/11/02	Grab	11/14/02	624	<0.16	ND	---	0.5	0.16	0.16	Report #A211248
41	1,1,1-Trichloroethane	11/11/02	Grab	11/14/02	624	<0.13	ND	---	0.5	0.13	0.13	Report #A211248
42	1,1,2-Trichloroethane	11/11/02	Grab	11/14/02	624	<0.12	ND	---	0.5	0.12	0.12	Report #A211248
43	Trichloroethylene	11/11/02	Grab	11/14/02	624	<0.13	ND	---	0.5	0.13	0.13	Report #A211248
44	Vinyl Chloride	11/11/02	Grab	11/14/02	624	<0.17	ND	---	0.5	0.17	0.17	Report #A211248
45	2-Chlorophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
46	2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
47	2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

NOVEMBER 2002

Permittee: Sonoma County Water Agency - ***Russian River Upstream***
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:
Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 108
Flow Rate: 527
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results: Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
48	2-Methyl-4,6-Dinitrophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
49	2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
50	2-Nitrophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
51	4-Nitrophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
52	3-Methyl-4-Chlorophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
53	Pentachlorophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
54	Phenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
55	2,4,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
56	Acenaphthene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
57	Acenaphthylene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
58	Athracene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
59	Benzidine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
60	Benzo(a)Anthracene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
61	Benzo(a)Pyrene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
62	Benzo(b)Flouranthene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
63	Benzo(ghi)Perylene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
64	Benzo(k)Flouranthene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
65	Bis(2-Chloroethoxy) Methane	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
66	Bis(2-Chloroethyl) Ether	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
67	Bis(2-Chloroisopropyl) Ether	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
68	Bis (2-Ethylhexyl) Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
69	4-Bromophenyl Phenyl Ether	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
70	Butylbenzyl Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
71	2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

NOVEMBER 2002

Permittee: Sonoma County Water Agency - *Russian River Upstream*
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:
Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 108
Flow Rate: 527
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)				
72	4-Chlorophenyl Phenyl Ether	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
73	Chrysene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
74	Dibenzo(a,h) Anthracene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
75	1,2 Dichlorobenzene	11/11/02	Grab	11/14/02	624	<0.11	ND	---	0.5	0.11	0.11	Report #A211248
76	1,3 Dichlorobenzene	11/11/02	Grab	11/14/02	624	<0.11	ND	---	0.5	0.11	0.11	Report #A211248
77	1,4 Dichlorobenzene	11/11/02	Grab	11/14/02	624	<0.081	ND	---	0.5	0.081	0.081	Report #A211248
78	3,3'-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
79	Diethyl Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
80	Dimethyl Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
81	Di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
82	2,4-Dinitrotoulene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
83	2,6-Dinitrotoulene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
84	Di-n-Octyl Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
85	1,2-Diphenylhydrazine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
86	Flouranthene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
87	Flourene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
88	Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
89	Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
90	Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
91	Hexachloroethane	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
92	Indeno(1,2,3-cd)Pyrene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
93	Isophorone	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
94	Naphthalene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
95	Nitrobenzene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

NOVEMBER 2002

Permittee: Sonoma County Water Agency - *Russian River Upstream*
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River **pH: 7.4** **Hardness: 108**
Sample Location: Vacation Beach **Salinity: ND** **Flow Rate: 527**
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results: Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
96	N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
97	N-Nitrosodi-n-Propylamine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
98	N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
99	Phenanthrene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
100	Pyrene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
101	1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
102	Aldrin	11/11/02	Grab	11/17/02	608	<0.0038	ND	---	0.005	0.0038	0.0038	Report #A211248
103	alpha-BHC	11/11/02	Grab	11/17/02	608	<0.0043	ND	---	0.01	0.0043	0.0043	Report #A211248
104	beta-BHC	11/11/02	Grab	11/17/02	608	<0.0027	ND	---	0.005	0.0027	0.0027	Report #A211248
105	gamma-BHC	11/11/02	Grab	11/17/02	608	<0.0041	ND	---	0.01	0.0041	0.0041	Report #A211248
106	Delta-BHC	11/11/02	Grab	11/17/02	608	<0.0021	ND	---	0.005	0.0021	0.0021	Report #A211248
107	Chlordane	11/11/02	Grab	11/17/02	608	<0.035	ND	---	0.05	0.035	0.035	Report #A211248
108	4,4'-DDT	11/11/02	Grab	11/17/02	608	<0.0045	ND	---	0.01	0.0045	0.0045	Report #A211248
109	4,4'-DDE	11/11/02	Grab	11/17/02	608	<0.0033	ND	---	0.02	0.0033	0.0033	Report #A211248
110	4,4'-DDD	11/11/02	Grab	11/17/02	608	<0.0048	ND	---	0.02	0.0048	0.0048	Report #A211248
111	Dieldrin	11/11/02	Grab	11/17/02	608	<0.0033	ND	---	0.01	0.0033	0.0033	Report #A211248
112	alpha-Endosulfan	11/11/02	Grab	11/17/02	608	<0.0042	ND	---	0.01	0.0042	0.0042	Report #A211248
113	beta-Endosulfan	11/11/02	Grab	11/17/02	608	<0.0033	ND	---	0.01	0.0033	0.0033	Report #A211248
114	Endosulfan Sulfate	11/11/02	Grab	11/17/02	608	<0.0070	ND	---	0.05	0.0070	0.0070	Report #A211248
115	Endrin	11/11/02	Grab	11/17/02	608	<0.0047	ND	---	0.01	0.0047	0.0047	Report #A211248
116	Endrin Aldehyde	11/11/02	Grab	11/17/02	608	<0.0095	ND	---	0.01	0.0095	0.0095	Report #A211248
117	Heptachlor	11/11/02	Grab	11/17/02	608	<0.003	ND	---	0.01	0.003	0.003	Report #A211248
118	Heptachlor Epoxide	11/11/02	Grab	11/17/02	608	<0.003	ND	---	0.01	0.003	0.003	Report #A211248

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

NOVEMBER 2002

Permittee: Sonoma County Water Agency - *Russian River Upstream*
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River **pH: 7.4** **Hardness: 108**
Sample Location: Vacation Beach **Salinity: ND** **Flow Rate: 527**
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)				
Polychlorinated biphenyls (PCBs)												
119	*PCB Arochlor 1016*	11/11/02	Grab	11/17/02	608	<0.19	ND	---	0.5	0.19	0.19	Report #A211248
120	*PCB Arochlor 1221*	11/11/02	Grab	11/17/02	608	<0.19	ND	---	0.5	0.19	0.19	Report #A211248
121	*PCB Arochlor 1232*	11/11/02	Grab	11/17/02	608	<0.19	ND	---	0.5	0.19	0.19	Report #A211248
122	*PCB Arochlor 1242*	11/11/02	Grab	11/17/02	608	<0.19	ND	---	0.5	0.19	0.19	Report #A211248
123	*PCB Arochlor 1248*	11/11/02	Grab	11/17/02	608	<0.19	ND	---	0.5	0.19	0.19	Report #A211248
124	*PCB Arochlor 1254*	11/11/02	Grab	11/17/02	608	<0.19	ND	---	0.5	0.19	0.19	Report #A211248
125	*PCB Arochlor 1260*	11/11/02	Grab	11/17/02	608	<0.19	ND	---	0.5	0.19	0.19	Report #A211248
126	Toxaphene	11/11/02	Grab	11/17/02	608	<0.21	ND	---	0.5	0.21	0.21	Report #A211248

1 ML is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method specified sample weights, volumes, and processing steps have been followed.

2 MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero, as defined in 40 CFR 136, Appendix B, revised as of May 14, 1999.

3 RDL is the detection level that results from the actual sampling event, which is reported on the monitoring report. The RDL may be higher than the Method Detection Level (MDL) for the sampling technique being used due to the presence of detection interference's in the sample.

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California Regional Water Quality Control Board
North Coast Region
ATTACHMENT "B"

NOVEMBER 2002

SAW FCR NPO RSG KAD EJL

Permittee: Sonoma County Water Agency - *Russian River Upstream*
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: McCampbell Analytical
ELAP No.: 1644
Laboratory Contact: Ed Hamilton
Lab Phone Number: (925) 798-1620

Report Number: 0211222-001A

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:
Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 108
Flow Rate: 527
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results: Actual Conc. (µg/L)	Analytical Results: DNQ or ND?	Analytical Results: Est. Conc. if DNQ (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
45	2-Chlorophenol	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
46	2,4-Dichlorophenol	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
47	2,4-Dimethylphenol	11/11/02	Grab	11/19/02	8270	<2	ND	---	2	2	2	
48	2-Methyl-4,6-Dinitrophenol	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
49	2,4-Dinitrophenol	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
50	2-Nitrophenol	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
51	4-Nitrophenol	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
52	3-Methyl-4-Chlorophenol	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
53	Pentachlorophenol	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
54	Phenol	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
55	2,4,6-Trichlorophenol	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
56	Acenaphthene	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
57	Acenaphthylene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
58	Athracene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
59	Benzidine	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
60	Benzo(a)Anthracene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
61	Benzo(a)Pyrene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
62	Benzo(b)Flouranthene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
63	Benzo(ghi)Perylene	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
64	Benzo(k)Flouranthene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
65	Bis(2-Chloroethoxy) Methane	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
66	Bis(2-Chloroethyl) Ether	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
67	Bis(2-Chloroisopropyl) Ether	11/11/02	Grab	11/19/02	8270	<2	ND	---	2	2	2	
68	Bis (2-Ethylhexyl) Phthalate	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

NOVEMBER 2002

Permittee: Sonoma County Water Agency - *Russian River Upstream*
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: McCampbell Analytical
ELAP No.: 1644
Laboratory Contact: Ed Hamilton
Lab Phone Number: (925) 798-1620

Report Number: 0211222-001A

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:
Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 108
Flow Rate: 527
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)				
69	4-Bromophenyl Phenyl Ether	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
70	Butylbenzyl Phthalate	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
71	2-Chloronaphthalene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
72	4-Chlorophenyl Phenyl Ether	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
73	Chrysene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
74	Dibenzo(a,h) Anthracene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
78	3,3'-Dichlorobenzidine	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
79	Diethyl Phthalate	11/11/02	Grab	11/19/02	8270	<2	ND	---	2	2	2	
80	Dimethyl Phthalate	11/11/02	Grab	11/19/02	8270	<2	ND	---	2	2	2	
81	Di-n-Butyl Phthalate	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
82	2,4-Dinitrotoulene	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
83	2,6-Dinitrotoulene	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
84	Di-n-Octyl Phthalate	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
85	1,2-Diphenylhydrazine	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
86	Flouranthene	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
87	Flourene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
88	Hexachlorobenzene	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
89	Hexachlorobutadiene	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
90	Hexachlorocyclopentadiene	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
91	Hexachloroethane	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
92	Indeno(1,2,3-cd)Pyrene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
93	Isophorone	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
94	Naphthalene	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
95	Nitrobenzene	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	

California Regional Water Quality Control Board
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ATTACHMENT "B"

NOVEMBER 2002

Permittee: Sonoma County Water Agency - *Russian River Upstream*
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: McCampbell Analytical
ELAP No.: 1644
Laboratory Contact: Ed Hamilton
Lab Phone Number: (925) 798-1620

Report Number: 0211222-001A

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River **pH: 7.4** **Hardness: 108**
Sample Location: Vacation Beach **Salinity: ND** **Flow Rate: 527**
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results: Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
96	N-Nitrosodimethylamine	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
97	N-Nitrosodi-n-Propylamine	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
98	N-Nitrosodiphenylamine	11/11/02	Grab	11/19/02	8270	<1	ND	---	1	1	1	
99	Phenanthrene	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	
100	Pyrene	11/11/02	Grab	11/19/02	8270	<10	ND	---	10	10	10	
101	1,2,4-Trichlorobenzene	11/11/02	Grab	11/19/02	8270	<5	ND	---	5	5	5	

1 ML is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method specified sample weights, volumes, and processing steps have been followed.

2 MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero, as defined in 40 CFR 136, Appendix B, revised as of May 14, 1999.

3 RDL is the detection level that results from the actual sampling event, which is reported on the monitoring report. The RDL may be higher than the Method Detection Level (MDL) for the sampling technique being used due to the presence of detection interference's in the sample.

RWQCB
REGION 1

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California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

NOVEMBER 2002

Permittee: Sonoma County Water Agency - ***Russian River Upstream***

Name of Laboratory: Basic Laboratory, Inc. ☐ SAW ☐ FCR ☐ ☐ RCY ☐ LGR ☐ KAD ☐ NPO ☐ RSG ☐ EJL

WDID No.: 1B82050SON (CA0024058)

ELAP No.: 1677

Contact Name: Hody Wilson

Laboratory Contact: Bernice Kidd

Phone Number: (707) 521-1843

Lab Phone Number: (530) 243-7234

Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Report Number: 0211509

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River

pH: 7.4

Hardness: 108

Sample Location: Vacation Beach

Salinity: ND

Flow Rate: 527

(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)				
8	Mercury	11/11/02	Grab	11/18/02	1631	0.0128	---	---	0.0005	0.00017	0.00017	

1 ML is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to th concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method specified sample weights, volumes, and processing steps have beer followed.

2 MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero, as defined in 40 CFR 136, Appendix B, revised as of May 14, 1999.

3 RDL is the detection level that results from the actual sampling event, which is reported on the monitoring report. The RDL may be higher than the Method Detection Level (MDL) for the sampling technique being used due to the presence of detection interference's in the sample.

RWQCB
REGION 1

APR 29 2003

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

NOVEMBER 2002

Permittee: Sonoma County Water Agency - ***Russian River Upstream***

WDID No.: 1B82050SON (CA0024058)

Contact Name: Hody Wilson

Phone Number: (707) 521-1843

Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: RJ Lee Group ☐ SAW ☐ FCR ☐ ☐ KAD ☐ LGR ☐ RRL ☐ NPQ ☐ RSG ☐ EJL

ELAP No.: 2229

Laboratory Contact: Sean Fitzgerald

Lab Phone Number: (510) 567-0480

Report Number: 1831992-CT

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River

Sample Location: Vacation Beach

pH: 7.4

Salinity: ND

Hardness: 108

Flow Rate: 527

(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results: Actual Conc. (µg/L)	Analytical Results: DNQ or ND?	Analytical Results: Est. Conc. if DNQ (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
15	Asbestos	11/11/02	Grab	11/20/02	600/R-94/134(100.2)	<0.104	ND	---	0.021MF/L	0.021MF/L	0.104MF/L	Analytical Results are reported in S/L 10^6 Units.

1 ML is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method specified sample weights, volumes, and processing steps have bee followed.

2 MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero, as defined in 40 CFR 136, Appendix B, revised as of May 14, 1999.

3 RDL is the detection level that results from the actual sampling event, which is reported on the monitoring report. The RDL may be higher than the Method Detection Level (MDL) for the sampling technique being used due to the presence of detection interference's in the sample.

RWQCB
REGION 1

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT 'C' APR 29 2003 **NOVEMBER 2002**

☐ SAW ☐ FCR ☐ _____
☐ RLT ☐ LGR ☐ KAD _____
☐ NPQ ☐ RSG ☐ EJL _____

Permittee: Sonoma County Water Agency - *Russian River Upstream*
Name of Laboratory: Frontier Analytical Laboratory
Report No.: 1388-01-SA

WDID No.: 1B82050SON (CA0024058)
ELAP No.: 2493
Period (Wet or Dry): Dry

Contact Name: Hody Wilson
Laboratory Contact: Brad Silverbush

Phone Number: (707) 521-1843
Lab Phone Number: (916) 934-0900

(1) Name of Congener	(2) Date Sample Collected	(3) Sample Collection Method	(4) Date Sample Analyzed	(5) USEPA Method Used	(6) Analytical Results (pg/L)	(7) ML (pg/L)	(8) MDL (pg/L)	(9) Measured or Estimated Congener Concentration	(10) TEF	(11) Measured or Estimated Congener Concentration Multiplied by TEF	(12) Comments
2,3,7,8-TCDD	11/11/02	Grab	11/16/02	1613	<1.86	5	1.42	0	1	0	
1,2,3,7,8-PentaCDD	11/11/02	Grab	11/16/02	1613	<2.55	25	1.90	0	1.0	0	
1,2,3,4,7,8-HexaCDD	11/11/02	Grab	11/16/02	1613	<3.66	25	3.03	0	0.1	0	
1,2,3,6,7,8-HexaCDD	11/11/02	Grab	11/16/02	1613	<3.91	25	3.26	0	0.1	0	
1,2,3,7,8,9-HexaCDD	11/11/02	Grab	11/16/02	1613	<3.50	25	3.19	0	0.1	0	
1,2,3,4,6,7,8-HeptaCDD	11/11/02	Grab	11/16/02	1613	<3.86	25	2.14	0	0.01	0	
OctaCDD	11/11/02	Grab	11/16/02	1613	19.1	50	5.53	19.1	0.0001	0.00191	DNQ
2,3,7,8-TetraCDF	11/11/02	Grab	11/16/02	1613	<1.42	5	1.02	0	0.1	0	
1,2,3,7,8-PentaCDF	11/11/02	Grab	11/16/02	1613	<3.52	25	1.52	0	0.05	0	
2,3,4,7,8-PentaCDF	11/11/02	Grab	11/16/02	1613	<2.95	25	1.46	0	0.5	0	
1,2,3,4,7,8-HexaCDF	11/11/02	Grab	11/16/02	1613	<0.925	25	1.46	0	0.1	0	
1,2,3,6,7,8-HexaCDF	11/11/02	Grab	11/16/02	1613	<1.05	25	1.48	0	0.1	0	
1,2,3,7,8,9-HexaCDF	11/11/02	Grab	11/16/02	1613	<1.05	25	1.80	0	0.1	0	
2,3,4,6,7,8-HexaCDF	11/11/02	Grab	11/16/02	1613	<1.40	25	1.74	0	0.1	0	
1,2,3,4,6,7,8-HeptaCDF	11/11/02	Grab	11/16/02	1613	<1.30	25	1.89	0	0.01	0	
1,2,3,4,7,8,9-HeptaCDF	11/11/02	Grab	11/16/02	1613	<1.64	25	1.87	0	0.01	0	
OctaCDF	11/11/02	Grab	11/16/02	1613	<6.23	50	4.12	0	0.0001	0	
Sum Total										**0.00191**	

Alpha Analytical Laboratories Inc.
860 Waugh Lane, H-1, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

25 November 2002

Ellen Simm
West County Treatment Plant
P.O. Box 11628
Santa Rosa, CA 95406

RE: California Toxics Rule-Region 1

Work Order: A211248

Enclosed are the results of analyses for samples received by the laboratory on 11/11/02 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Heidi M Peebles

Heidi M. Peebles For Sheri L. Speaks
Project Manager

Alpha Analytical Laboratories Inc.
860 Waugh Lane, H-1, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

West County Treatment Plant	Project: California Toxics Rule-Region 1	
P.O. Box 11628	Project Number: TW 01/02-68	**Reported:**
Santa Rosa CA, 95406	Project Manager: Ellen Simm	11/25/02 11:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Russian River Upstream	A211248-01	Water	11/11/02 12:00	11/11/02 15:30
Travel Blank	A211248-02	Water	11/11/02 00:00	11/11/02 15:30

Alpha Analytical Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Heidi M Peebles

Heidi M. Peebles For Sheri L. Speaks, Project Manager

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

FEBRUARY 2003

APR 29 2003

Permittee: Sonoma County Water Agency - ***Russian River Upstream***
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:
Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 88
Flow Rate: 3270 MGD
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results: Actual Conc. (µg/L)	Analytical Results: DNQ ND	Analytical Results: Est. Conc. if DNQ (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
1	Antimony	2/20/2003	Grab	3/5/2003	200.9	<1.2	ND	---	6	1.2	1.2	Report #A302384
2	Arsenic	2/20/2003	Grab	3/5/2003	200.9	1.6	DNQ	1.6	2	0.56	0.56	Report #A302384
3	Beryllium	2/20/2003	Grab	3/5/2003	200.7	<0.1	ND	---	1	0.1	0.1	Report #A302384
4	Cadmium	2/20/2003	Grab	3/5/2003	200.7	<0.2	ND	---	1	0.2	0.2	Report #A302384
5a	Chromium (total)	2/20/2003	Grab	3/5/2003	200.7	7.4	DNQ	7.4	10	1.2	1.2	Report #A302384
5b	Chromium (VI)	2/20/2003	Grab	2/21/2003	7196	<5	ND	---	10	5	5	Report #A302384
6	Copper	2/20/2003	Grab	3/5/2003	200.7	<1	ND	---	9	1	1	Report #A302384
7	Lead	2/20/2003	Grab	3/6/2003	200.9	1.1	DNQ	1.1	2	0.34	0.34	Report #A302384
8	Mercury	---	---	---	---	---	---	---	---	---	---	See Basic Laboratories Results
9	Nickel	2/20/2003	Grab	3/5/2003	200.7	13	---	---	10	1 3	1 3	Report #A302384
10	Selenium	2/20/2003	Grab	3/5/2003	200.9	<0.51	ND	---	5	0.51	0.51	Report #A302384
11	Silver	2/20/2003	Grab	3/5/2003	200.7	<1.6	ND	---	10	1.6	1.6	Report #A302384
12	Thallium	2/20/2003	Grab	3/6/2003	200.9	<0.36	ND	---	1	0.36	0.36	Report #A302384
13	Zinc	2/20/2003	Grab	3/5/2003	200.7	9.6	DNQ	9.6	20	1.3	1.3	Report #A302384
14	Cyanide	2/20/2003	Grab	3/6/2003	335.2	<2	ND	---	3	2	2	Report #A302384
15	Asbestos	---	---	---	---	---	---	---	---	---	---	See RJ Lee Group Results
16	2,3,7,8-TCDD (Dioxin)	---	---	---	---	---	---	---	---	---	---	See Frontier Results
17	Acrolein	2/20/2003	Grab	3/4/2003	624	<0.36	ND	---	2	0.36	0.36	Report #A302384
18	Acrylonitrile	2/20/2003	Grab	3/4/2003	624	<0.14	ND	---	2	0.14	0.14	Report #A302384
19	Benzene	2/20/2003	Grab	3/4/2003	624	<0.08	ND	---	0.3	0.08	0.08	Report #A302384
20	Bromoform	2/20/2003	Grab	3/4/2003	624	<0.099	ND	---	0 5	0.099	0.099	Report #A302384
21	Carbon Tetrachloride	2/20/2003	Grab	3/4/2003	624	<0.19	ND	---	0 5	0.19	0.19	Report #A302384
22	Chlorobenzene	2/20/2003	Grab	3/4/2003	624	<0.075	ND	---	0.5	0.075	0.075	Report #A302384
23	Chlorodibromomethane	2/20/2003	Grab	3/4/2003	624	<0 11	ND	---	0 5	0 11	0.11	Report #A302384
24	Chloroethane	2/20/2003	Grab	3/4/2003	624	<0.29	ND	---	0 5	0.29	0 29	Report #A302384

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

FEBRUARY 2003

Permittee: Sonoma County Water Agency - *Russian River Upstream*
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 88
Flow Rate: 3270 MGD
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ ND	Est. Conc. if DNQ (µg/L)				
25	2-Chloroethylvinyl Ether	---	---	---	---	---	---	---	---	---	---	Not required for Region 1
26	Chloroform	2/20/2003	Grab	3/4/2003	624	<0.084	ND	---	0.5	0.084	0.084	Report #A302384
27	Dichlorobromomethane	2/20/2003	Grab	3/4/2003	624	<0.10	ND	---	0.5	0.10	0.10	Report #A302384
28	1,1-Dichloroethane	2/20/2003	Grab	3/4/2003	624	<0.14	ND	---	0.5	0.14	0.14	Report #A302384
29	1,2-Dichloroethane	2/20/2003	Grab	3/4/2003	624	<0.21	ND	---	0.5	0.21	0.21	Report #A302384
30	1,1-Dichloroethylene	2/20/2003	Grab	3/4/2003	624	<0.19	ND	---	0.5	0.19	0.19	Report #A302384
31	1,2-Dichloropropane	2/20/2003	Grab	3/4/2003	624	<0.13	ND	---	0.5	0.13	0.13	Report #A302384
32	1,3-Dichloropropylene	2/20/2003	Grab	3/4/2003	624	<0.12	ND	---	0.5	0.12	0.12	Report #A302384
33	Ethylbenzene	2/20/2003	Grab	3/4/2003	624	<0.11	ND	---	0.5	0.11	0.11	Report #A302384
34	Methyl Bromide	2/20/2003	Grab	3/4/2003	624	<0.20	ND	---	0.5	0.20	0.20	Report #A302384
35	Methyl Chloride	2/20/2003	Grab	3/4/2003	624	<0.14	ND	---	0.5	0.14	0.14	Report #A302384
36	Methylene Chloride	2/20/2003	Grab	3/4/2003	624	<0.16	ND	---	0.5	0.16	0.16	Report #A302384
37	1,1,2,2-Tetrachloroethane	2/20/2003	Grab	3/4/2003	624	<0.057	ND	---	0.5	0.057	0.057	Report #A302384
38	Tetrachloroethylene	2/20/2003	Grab	3/4/2003	624	<0.21	ND	---	0.5	0.21	0.21	Report #A302384
39	Toulene	2/20/2003	Grab	3/4/2003	624	<0.11	ND	---	0.3	0.11	0.11	Report #A302384
40	1,2-Trans-Dichloroethylene	2/20/2003	Grab	3/4/2003	624	<0.16	ND	---	0.5	0.16	0.16	Report #A302384
41	1,1,1-Trichloroethane	2/20/2003	Grab	3/4/2003	624	<0.13	ND	---	0.5	0.13	0.13	Report #A302384
42	1,1,2-Trichloroethane	2/20/2003	Grab	3/4/2003	624	<0.12	ND	---	0.5	0.12	0.12	Report #A302384
43	Trichloroethylene	2/20/2003	Grab	3/4/2003	624	<0.13	ND	---	0.5	0.13	0.13	Report #A302384
44	Vinyl Chloride	2/20/2003	Grab	3/4/2003	624	<0.17	ND	---	0.5	0.17	0.17	Report #A302384
45	2-Chlorophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
46	2,4-Dichlorophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
47	2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
48	2-Methyl-4,6-Dinitrophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
49	2,4-Dinitrophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

FEBRUARY 2003

Permittee: Sonoma County Water Agency - ***Russian River Upstream***
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:
Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 88
Flow Rate: 3270 MGD
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results: Actual Conc. (µg/L)	Analytical Results: DNQ ND	Analytical Results: Est. Conc. if DNQ (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
50	2-Nitrophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
51	4-Nitrophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
52	3-Methyl-4-Chlorophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
53	Pentachlorophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
54	Phenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
55	2,4,6-Trichlorophenol	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
56	Acenaphthene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
57	Acenaphthylene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
58	Athracene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
59	Benzidine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
60	Benzo(a)Anthracene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
61	Benzo(a)Pyrene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
62	Benzo(b)Flouranthene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
63	Benzo(ghi)Perylene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
64	Benzo(k)Flouranthene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
65	Bis(2-Chloroethoxy) Methane	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
66	Bis(2-Chloroethyl) Ether	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
67	Bis(2-Chloroisopropyl) Ether	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
68	Bis (2-Ethylhexyl) Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
69	4-Bromophenyl Phenyl Ether	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
70	Butylbenzyl Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
71	2-Chloronaphthalene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
72	4-Chlorophenyl Phenyl Ether	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
73	Chrysene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
74	Dibenzo(a,h) Anthracene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

FEBRUARY 2003

Permittee: Sonoma County Water Agency - *Russian River Upstream*
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 88
Flow Rate: 3270 MGD
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ ND	Est. Conc. if DNQ (µg/L)				
75	1,2 Dichlorobenzene	2/20/2003	Grab	3/4/2003	624	<0.11	ND	---	0.5	0.11	0.11	Report #A302384
76	1,3 Dichlorobenzene	2/20/2003	Grab	3/4/2003	624	<0.11	ND	---	0.5	0.11	0.11	Report #A302384
77	1,4 Dichlorobenzene	2/20/2003	Grab	3/4/2003	624	<0.081	ND	---	0.5	0.081	0.081	Report #A302384
78	3,3'-Dichlorobenzidine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
79	Diethyl Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
80	Dimethyl Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
81	Di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
82	2,4-Dinitrotoulene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
83	2,6-Dinitrotoulene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
84	Di-n-Octyl Phthalate	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
85	1,2-Diphenylhydrazine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
86	Flouranthene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
87	Flourene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
88	Hexachlorobenzene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
89	Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
90	Hexachlorocyclopentadiene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
91	Hexachloroethane	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
92	Indeno(1,2,3-cd)Pyrene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
93	Isophorone	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
94	Naphthalene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
95	Nitrobenzene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
96	N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
97	N-Nitrosodi-n-Propylamine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
98	N-Nitrosodiphenylamine	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
99	Phenanthrene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

FEBRUARY 2003

Permittee: Sonoma County Water Agency - ***Russian River Upstream***
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:
Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 88
Flow Rate: 3270 MGD
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ ND	Est. Conc. if DNQ (µg/L)				
100	Pyrene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
101	1,2,4-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---	See McCampbell Results
102	Aldrin	2/20/2003	Grab	3/4/2003	608	<0.0038	ND	---	0.005	0.0038	0.0038	Report #A302384
103	alpha-BHC	2/20/2003	Grab	3/4/2003	608	<0.0043	ND	---	0.010	0.0043	0.0043	Report #A302384
104	beta-BHC	2/20/2003	Grab	3/4/2003	608	<0.021	ND	---	0.005	0.0027	0.021 [5]	Report #A302384
105	gamma-BHC	2/20/2003	Grab	3/4/2003	608	<0.0041	ND	---	0.010	0.0041	0.0041	Report #A302384
106	Delta-BHC	2/20/2003	Grab	3/4/2003	608	<0.040	ND	---	0.005	0.0021	0.040 [5]	Report #A302384
107	Chlordane	2/20/2003	Grab	3/4/2003	608	<0.035	ND	---	0.05	0.035	0.035	Report #A302384
108	4,4'-DDT	2/20/2003	Grab	3/4/2003	608	<0.0070	ND	---	0.01	0.0045	0.0070 [4]	Report #A302384
109	4,4'-DDE	2/20/2003	Grab	3/4/2003	608	<0.0033	ND	---	0.02	0.0033	0.0033	Report #A302384
110	4,4'-DDD	2/20/2003	Grab	3/4/2003	608	<0.0060	ND	---	0.02	0.0048	0.0060 [4]	Report #A302384
111	Dieldrin	2/20/2003	Grab	3/4/2003	608	<0.0033	ND	---	0.01	0.0033	0.0033	Report #A302384
112	alpha-Endosulfan	2/20/2003	Grab	3/4/2003	608	<0.0042	ND	---	0.01	0.0042	0.0042	Report #A302384
113	beta-Endosulfan	2/20/2003	Grab	3/4/2003	608	<0.0033	ND	---	0.010	0.0033	0.0033	Report #A302384
114	Endosulfan Sulfate	2/20/2003	Grab	3/4/2003	608	<0.0070	ND	---	0.05	0.0070	0.0070	Report #A302384
115	Endrin	2/20/2003	Grab	3/4/2003	608	<0.0047	ND	---	0.01	0.0047	0.0047	Report #A302384
116	Endrin Aldehyde	2/20/2003	Grab	3/4/2003	608	<0.060	ND	---	0.01	0.0095	0.060 [5]	Report #A302384
117	Heptachlor	2/20/2003	Grab	3/4/2003	608	<0.033	ND	---	0.01	0.003	0.033 [5]	Report #A302384
118	Heptachlor Epoxide	2/20/2003	Grab	3/4/2003	608	<0.003	ND	---	0.01	0.003	0.003	Report #A302384

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

FEBRUARY 2003

Permittee: Sonoma County Water Agency - *Russian River Upstream*
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Alpha Analytical Laboratories, Inc.
ELAP No.: 1551
Laboratory Contact: Karen Daly
Lab Phone Number: (707) 468-0401

Report Number: See Comments below

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 88
Flow Rate: 3270 MGD
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ ND	Est. Conc. if DNQ (µg/L)				
Polychlorinated biphenyls (PCBs)												
119	*PCB Arochlor 1016*	2/20/2003	Grab	3/4/2003	608	<0.19	ND	---	0.5	0.19	0.19	Report #A302384
120	*PCB Arochlor 1221*	2/20/2003	Grab	3/4/2003	608	<0.19	ND	---	0.5	0.19	0.19	Report #A302384
121	*PCB Arochlor 1232*	2/20/2003	Grab	3/4/2003	608	<0.19	ND	---	0.5	0.19	0.19	Report #A302384
122	*PCB Arochlor 1242*	2/20/2003	Grab	3/4/2003	608	<0.19	ND	---	0.5	0.19	0.19	Report #A302384
123	*PCB Arochlor 1248*	2/20/2003	Grab	3/4/2003	608	<0.19	ND	---	0.5	0.19	0.19	Report #A302384
124	*PCB Arochlor 1254*	2/20/2003	Grab	3/4/2003	608	<0.19	ND	---	0.5	0.19	0.19	Report #A302384
125	*PCB Arochlor 1260*	2/20/2003	Grab	3/4/2003	608	<0.19	ND	---	0.5	0.19	0.19	Report #A302384
126	Toxaphene	2/20/2003	Grab	3/4/2003	608	<0.21	ND	---	0.5	0.21	0.21	Report #A302384

1 ML is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method specified sample weights, volumes, and processing steps have been followed.

2 MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero, as defined in 40 CFR 136, Appendix B, revised as of May 14, 1999.

3 RDL is the detection level that results from the actual sampling event, which is reported on the monitoring report. The RDL may be higher than the Method Detection Level (MDL) for the sampling technique being used due to the presence of detection interference's in the sample.

4 Method Detection Limit for this analyte has been raised to account for matrix interference.

5 Reporting Limit for this analyte has been raised to account for matrix interference.

California Regional Water Quality Control Board
North Coast Region

RWQCB REGION 1

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ATTACHMENT "B"

FEBRUARY 2003

Permittee: Sonoma County Water Agency - *Russian River Upstream*
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: McCampbell Analytical
ELAP No.: 1644
Laboratory Contact: Ed Hamilton
Lab Phone Number: (925) 798-1620

SAW FCR
RLT LGR KAD
RSG EJL

Report Number: 0302325-001A

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River **pH: 7.4** **Hardness: 88**
Sample Location: Vacation Beach **Salinity: ND** **Flow Rate: 3270 MGD**
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results: Actual Conc. (µg/L)	Analytical Results: DNQ or ND?	Analytical Results: Est. Conc. if DNQ (µg/L)	ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
45	2-Chlorophenol	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2
46	2,4-Dichlorophenol	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2
47	2,4-Dimethylphenol	2/20/03	Grab	3/4/03	8270	<4	ND	- - -	2	2	4	Dilution factor of 2
48	2-Methyl-4,6-Dinitrophenol	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2
49	2,4-Dinitrophenol	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2
50	2-Nitrophenol	2/20/03	Grab	3/4/03	8270	<20	ND	- - -	10	10	20	Dilution factor of 2
51	4-Nitrophenol	2/20/03	Grab	3/4/03	8270	<20	ND	- - -	10	10	20	Dilution factor of 2
52	3-Methyl-4-Chlorophenol	2/20/03	Grab	3/4/03	8270	<2	ND	- - -	1	1	2	Dilution factor of 2
53	Pentachlorophenol	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2
54	Phenol	2/20/03	Grab	3/4/03	8270	<2	ND	- - -	1	1	2	Dilution factor of 2
55	2,4,6-Trichlorophenol	2/20/03	Grab	3/4/03	8270	<20	ND	- - -	10	10	20	Dilution factor of 2
56	Acenaphthene	2/20/03	Grab	3/4/03	8270	<2	ND	- - -	1	1	2	Dilution factor of 2
57	Acenaphthylene	2/20/03	Grab	3/4/03	8270	<20	ND	- - -	10	10	20	Dilution factor of 2
58	Athracene	2/20/03	Grab	3/4/03	8270	<20	ND	- - -	10	10	20	Dilution factor of 2
59	Benzidine	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2
60	Benzo(a)Anthracene	2/20/03	Grab	3/4/03	8270	<20	ND	- - -	10	10	20	Dilution factor of 2
61	Benzo(a)Pyrene	2/20/03	Grab	3/4/03	8270	<20	ND	- - -	10	10	20	Dilution factor of 2
62	Benzo(b)Flouranthene	2/20/03	Grab	3/4/03	8270	<20	ND	- - -	10	10	20	Dilution factor of 2
63	Benzo(ghi)Perylene	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2
64	Benzo(k)Flouranthene	2/20/03	Grab	3/4/03	8270	<20	ND	- - -	10	10	20	Dilution factor of 2
65	Bis(2-Chloroethoxy) Methane	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2
66	Bis(2-Chloroethyl) Ether	2/20/03	Grab	3/4/03	8270	<2	ND	- - -	1	1	2	Dilution factor of 2
67	Bis(2-Chloroisopropyl) Ether	2/20/03	Grab	3/4/03	8270	<4	ND	- - -	2	2	4	Dilution factor of 2
68	Bis (2-Ethylhexyl) Phthalate	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

Permittee: Sonoma County Water Agency - ***Russian River Upstream***
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: McCampbell Analytical
ELAP No.: 1644
Laboratory Contact: Ed Hamilton
Lab Phone Number: (925) 798-1620

FEBRUARY 2003

Report Number: 0302325-001A

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 88
Flow Rate: 3270 MGD
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)				
69	4-Bromophenyl Phenyl Ether	2/20/03	Grab	3/4/03	8270	<10	ND	---	5	5	10	Dilution factor of 2
70	Butylbenzyl Phthalate	2/20/03	Grab	3/4/03	8270	<20	ND	---	10	10	20	Dilution factor of 2
71	2-Chloronaphthalene	2/20/03	Grab	3/4/03	8270	<20	ND	---	10	10	20	Dilution factor of 2
72	4-Chlorophenyl Phenyl Ether	2/20/03	Grab	3/4/03	8270	<10	ND	---	5	5	10	Dilution factor of 2
73	Chrysene	2/20/03	Grab	3/4/03	8270	<20	ND	---	10	10	20	Dilution factor of 2
74	Dibenzo(a,h) Anthracene	2/20/03	Grab	3/4/03	8270	<20	ND	---	10	10	20	Dilution factor of 2
78	3,3'-Dichlorobenzidine	2/20/03	Grab	3/4/03	8270	<10	ND	---	5	5	10	Dilution factor of 2
79	Diethyl Phthalate	2/20/03	Grab	3/4/03	8270	<4	ND	---	2	2	4	Dilution factor of 2
80	Dimethyl Phthalate	2/20/03	Grab	3/4/03	8270	<4	ND	---	2	2	4	Dilution factor of 2
81	Di-n-Butyl Phthalate	2/20/03	Grab	3/4/03	8270	<20	ND	---	10	10	20	Dilution factor of 2
82	2,4-Dinitrotoulene	2/20/03	Grab	3/4/03	8270	<10	ND	---	5	5	10	Dilution factor of 2
83	2,6-Dinitrotoulene	2/20/03	Grab	3/4/03	8270	<10	ND	---	5	5	10	Dilution factor of 2
84	Di-n-Octyl Phthalate	2/20/03	Grab	3/4/03	8270	<20	ND	---	10	10	20	Dilution factor of 2
85	1,2-Diphenylhydrazine	2/20/03	Grab	3/4/03	8270	<2	ND	---	1	1	2	Dilution factor of 2
86	Flouranthene	2/20/03	Grab	3/4/03	8270	<2	ND	---	1	1	2	Dilution factor of 2
87	Flourene	2/20/03	Grab	3/4/03	8270	<20	ND	---	10	10	20	Dilution factor of 2
88	Hexachlorobenzene	2/20/03	Grab	3/4/03	8270	<2	ND	---	1	1	2	Dilution factor of 2
89	Hexachlorobutadiene	2/20/03	Grab	3/4/03	8270	<2	ND	---	1	1	2	Dilution factor of 2
90	Hexachlorocyclopentadiene	2/20/03	Grab	3/4/03	8270	<10	ND	---	5	5	10	Dilution factor of 2
91	Hexachloroethane	2/20/03	Grab	3/4/03	8270	<2	ND	---	1	1	2	Dilution factor of 2
92	Indeno(1,2,3-cd)Pyrene	2/20/03	Grab	3/4/03	8270	<20	ND	---	10	10	20	Dilution factor of 2
93	Isophorone	2/20/03	Grab	3/4/03	8270	<2	ND	---	1	1	2	Dilution factor of 2
94	Naphthalene	2/20/03	Grab	3/4/03	8270	<2	ND	---	1	1	2	Dilution factor of 2
95	Nitrobenzene	2/20/03	Grab	3/4/03	8270	<2	ND	---	1	1	2	Dilution factor of 2

California Regional Water Quality Control Board
North Coast Region

ATTACHMENT "B"

FEBRUARY 2003

Permittee: Sonoma County Water Agency - ***Russian River Upstream***
WDID No.: 1B82050SON (CA0024058)
Contact Name: Hody Wilson
Phone Number: (707) 521-1843
Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: McCampbell Analytical
ELAP No.: 1644
Laboratory Contact: Ed Hamilton
Lab Phone Number: (925) 798-1620

Report Number: 0302325-001A

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:
Water Body: Russian River
Sample Location: Vacation Beach
pH: 7.4
Salinity: ND
Hardness: 88
Flow Rate: 3270 MGD
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)				
96	N-Nitrosodimethylamine	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2
97	N-Nitrosodi-n-Propylamine	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2
98	N-Nitrosodiphenylamine	2/20/03	Grab	3/4/03	8270	<2	ND	- - -	1	1	2	Dilution factor of 2
99	Phenanthrene	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2
100	Pyrene	2/20/03	Grab	3/4/03	8270	<20	ND	- - -	10	10	20	Dilution factor of 2
101	1,2,4-Trichlorobenzene	2/20/03	Grab	3/4/03	8270	<10	ND	- - -	5	5	10	Dilution factor of 2

[1] ML is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method specified sample weights, volumes, and processing steps have been followed.

[2] MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero, as defined in 40 CFR 136, Appendix B, revised as of May 14, 1999.

[3] RDL is the detection level that results from the actual sampling event, which is reported on the monitoring report. The RDL may be higher than the Method Detection Level (MDL) for the sampling technique being used due to the presence of detection interference's in the sample.

California Regional Water Quality Control Board
North Coast Region

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ATTACHMENT "B"

FEBRUARY 2003

Permittee: Sonoma County Water Agency - ***Russian River Upstream***

WDID No.: 1B82050SON (CA0024058)

Contact Name: Hody Wilson

Phone Number: (707) 521-1843

Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Name of Laboratory: Basic Laboratory, Inc.

☑ SAW ☐ FCR ☐ _____
☐ RLT ☐ LGR ☐ KAD _____
☐ NPQ ☐ RSG ☐ EJL _____

ELAP No.: 1677

Laboratory Contact: Bernice Kidd

Lab Phone Number: (530) 243-7234

Report Number: 0302717

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River

Sample Location: Vacation Beach

pH: 7.4

Salinity: ND

Hardness: 88

Flow Rate: 3270 MGD
(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)				
8	Mercury	2/20/03	Grab	3/2/03	1631	0.01620	---	---	0.0005	0.00017	0.00017	

1 ML is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to th concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method specified sample weights, volumes, and processing steps have been followed.

2 MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero, as defined in 40 CFR 136, Appendix B, revised as of May 14, 1999.

3 RDL is the detection level that results from the actual sampling event, which is reported on the monitoring report. The RDL may be higher than the Method Detection Level (MDL) for the sampling technique being used due to the presence of detection interference's in the sample.

California Regional Water Quality Control Board
North Coast Region

RWQCB
REGION 1

ATTACHMENT "B"

APR 29 2003

FEBRUARY 2003

Permittee: Sonoma County Water Agency - ***Russian River Upstream***

Name of Laboratory: RJ Lee Group

WDID No.: 1B82050SON (CA0024058)

ELAP No.: 2229

☐ SAW ☐ FCR ☐
☐ RLT ☐ LGR ☐ KAD
☐ MRO ☐ RSG ☐ EJL

Contact Name: Hody Wilson

Laboratory Contact: Sean Fitzgerald

Phone Number: (707) 521-1843

Lab Phone Number: (510) 567-0480

Type of Sample (Receiving Water vs. Effluent): Receiving Waters

Report Number: 1832433CT

*IF RECEIVING WATER SAMPLE, FILL IN THE FOLLOWING INFORMATION:

Water Body: Russian River

pH: 7.4

Hardness: 88

Sample Location: Vacation Beach

Salinity: ND

Flow Rate: 3270 MGD

(if a discharge is to a river or creek)

Control #	Constituent	Date Sample Collected	Sample Collection Method	Date Sample Analyzed	USEPA Method Used	Analytical Results			ML[1] (µg/L)	MDL[2] (µg/L)	RDL[3] (µg/L)	Comments
						Actual Conc. (µg/L)	DNQ or ND?	Est. Conc. if DNQ (µg/L)				
15	Asbestos	2/20/03	Grab	3/10/03	600/R-94/134(100.2)	0.403	---	---	0.021MF/L	0.021MF/L	0.101MF/L	Analytical Results are reported in S/L 10^6 Units.

1 ML is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to th concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method specified sample weights, volumes, and processing steps have bee followed.

2 MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero, as defined in 40 CFR 136, Appendix B, revised as of May 14, 1999.

3 RDL is the detection level that results from the actual sampling event, which is reported on the monitoring report. The RDL may be higher than the Method Detection Level (MDL) for the sampling technique being used due to the presence of detection interference's in the sample.

California Regional Water Quality Control Board
North Coast Region

RWQCB
REGION 1
APR 29 2003

ATTACHMENT 'C'

FEBRUARY 2003

SAW ☐ FCR ☐
RLT ☐ LGR ☐ KAD ☐
NPQ ☐ RSG ☐ EJL ☐

Permittee: Sonoma County Water Agency - *Russian River Upstream*
Name of Laboratory: Frontier Analytical Laboratory
Report No.: 1601-01-SA

WDID No.: 1B82050SON (CA0024058)
ELAP No.: 2493
Period (Wet or Dry): Wet

Contact Name: Hody Wilson
Laboratory Contact: Brad Silverbush

Phone Number: (707) 521-1843
Lab Phone Number: (916) 934-0900

(1) Name of Congener	(2) Date Sample Collected	(3) Sample Collection Method	(4) Date Sample Analyzed	(5) USEPA Method Used	(6) Analytical Results (pg/L)	(7) ML (pg/L)	(8) MDL (pg/L)	(9) Measured or Estimated Congener Concentration	(10) TEF	(11) Measured or Estimated Congener Concentration Multiplied by TEF	(12) Comments
2,3,7,8-TCDD	2/20/03	Grab	3/4/03	1613	<1.60	5	1.36	0	1	0	
1,2,3,7,8-PentaCDD	2/20/03	Grab	3/4/03	1613	<2.39	25	2.08	0	1.0	0	
1,2,3,4,7,8-HexaCDD	2/20/03	Grab	3/4/03	1613	<3.75	25	2.97	0	0.1	0	
1,2,3,6,7,8-HexaCDD	2/20/03	Grab	3/4/03	1613	<4.12	25	3.23	0	0.1	0	
1,2,3,7,8,9-HexaCDD	2/20/03	Grab	3/4/03	1613	<3.83	25	2.90	0	0.1	0	
1,2,3,4,6,7,8-HeptaCDD	2/20/03	Grab	3/4/03	1613	<3.31	25	1.74	0	0.01	0	
OctaCDD	2/20/03	Grab	3/4/03	1613	<11.2	50	6.49	0	0.0001	0	
2,3,7,8-TetraCDF	2/20/03	Grab	3/4/03	1613	<0.994	5	1.23	0	0.1	0	
1,2,3,7,8-PentaCDF	2/20/03	Grab	3/4/03	1613	<2.42	25	1.79	0	0.05	0	
2,3,4,7,8-PentaCDF	2/20/03	Grab	3/4/03	1613	<2.68	25	1.72	0	0.5	0	
1,2,3,4,7,8-HexaCDF	2/20/03	Grab	3/4/03	1613	<0.701	25	1.04	0	0.1	0	
1,2,3,6,7,8-HexaCDF	2/20/03	Grab	3/4/03	1613	<0.796	25	1.26	0	0.1	0	
1,2,3,7,8,9-HexaCDF	2/20/03	Grab	3/4/03	1613	<1.02	25	1.34	0	0.1	0	
2,3,4,6,7,8-HexaCDF	2/20/03	Grab	3/4/03	1613	<1.10	25	1.51	0	0.1	0	
1,2,3,4,6,7,8-HeptaCDF	2/20/03	Grab	3/4/03	1613	<1.34	25	1.18	0	0.01	0	
1,2,3,4,7,8,9-HeptaCDF	2/20/03	Grab	3/4/03	1613	<1.99	25	1.34	0	0.01	0	
OctaCDF	2/20/03	Grab	3/4/03	1613	<5.31	50	3.98	0	0.0001	0	
Sum Total										**0**	