



Alpha Analytical Laboratories Inc.

www.alpha-labs.com

WATERS, SEDIMENTS, Solids

ELAP Cert #1551
ELAP Cert #2728

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126 Priority Pollutants (California Toxics Rule)

Compound	CTR Number	Method	Hold Time	Matrix	Alpha's MDL	Alpha's RL	SWRCB Apx 4, ML
Purgeable Organic Compounds (4 x 40ml VOA Vial (unpreserved))							
Acrolein	17	EPA624	3	Final Effluent	.62ug/l	2ug/l	5ug/l
Acrylonitrile	18	EPA624	3	Final Effluent	0.21	2	2
Benzene	19	EPA624	7	Final Effluent	0.23	0.3	2
Bromoform	20	EPA624	7	Final Effluent	0.39	0.5	2
Carbon tetrachloride	21	EPA624	7	Final Effluent	0.3	0.5	2
Chlorobenzene	22	EPA624	7	Final Effluent	0.41	0.5	2
Chlorodibromomethane	23	EPA624	7	Final Effluent	0.47	0.5	2
Chloroethane	24	EPA624	7	Final Effluent	0.25	0.5	2
2-Chloroethyl vinyl ether	25	EPA624	7	Final Effluent	0.93	1	2
Chloroform	26	EPA624	7	Final Effluent	0.41	0.5	2
1,2-Dichlorobenzene	75	EPA624	7	Final Effluent	0.45	0.5	2
1,3-Dichlorobenzene	76	EPA624	7	Final Effluent	0.47	0.5	2
1,4-Dichlorobenzene	77	EPA624	7	Final Effluent	0.48	0.5	2
Dichlorobromomethane	27	EPA624	7	Final Effluent	0.48	0.5	2
1,1-Dichloroethane	28	EPA624	7	Final Effluent	0.43	0.5	1
1,2-Dichloroethane	29	EPA624	7	Final Effluent	0.42	0.5	2
1,1-Dichloroethylene	30	EPA624	7	Final Effluent	0.14	0.5	2
1,2-Dichloropropane	31	EPA624	7	Final Effluent	0.24	0.5	1
cis-1,3-Dichloropropylene	32	EPA624	7	Final Effluent	0.49	0.5	2
Ethylbenzene	33	EPA624	7	Final Effluent	0.44	0.5	2
Methyl bromide (Bromomethane)	34	EPA624	7	Final Effluent	0.27	0.5	2
Methyl chloride (Chloromethane)	35	EPA624	7	Final Effluent	0.45	0.5	2
Methylene chloride (Dichloromethane)	36	EPA624	7	Final Effluent	0.17	0.5	2
1,1,2,2-Tetrachloroethane	37	EPA624	7	Final Effluent	0.17	0.5	1
Tetrachloroethylene	38	EPA624	7	Final Effluent	0.33	0.5	2
Toluene	39	EPA624	7	Final Effluent	0.27	0.3	2
1,2-trans-dichloroethylene	40	EPA624	7	Final Effluent	0.48	0.5	1
1,1,1-Trichloroethane	41	EPA624	7	Final Effluent	0.36	0.5	2
1,1,2-Trichloroethane	42	EPA624	7	Final Effluent	0.49	0.5	2
Trichloroethylene	43	EPA624	7	Final Effluent	0.47	0.5	2
Vinyl Chloride	44	EPA624	7	Final Effluent	0.32	0.5	2

Compound	CTR Number	Method	Hold Time	Matrix	Alpha's MDL	Alpha's RL	SWRCB Apx 4, ML
Acid/Base Neutral Organic Compounds (2 x 1 Liter Amber Glass (unpreserved))							
2-Chlorophenol	45	EPA625	7	Final Effluent	0.66ug/l	5ug/l	5ug/l
2,4-Dichlorophenol	46	EPA625	7	Final Effluent	0.66	5	5
2,4-Dimethylphenol	47	EPA625	7	Final Effluent	1.2	2	2
4,6-Dinitro-o-cresol (2-methylphenol)	48	EPA625	7	Final Effluent	0.75	5	5
2,4-Dinitrophenol	49	EPA625	7	Final Effluent	1.3	5	5
2-Nitrophenol	50	EPA625	7	Final Effluent	0.9	10	10
4-Nitrophenol	51	EPA625	7	Final Effluent	0.99	10	10
4-Chloro-3-methylphenol	52	EPA625	7	Final Effluent	0.58	1	1
Pentachlorophenol	53	EPA625	7	Final Effluent	1.4	5	5
Phenol	54	EPA625	7	Final Effluent	0.46	1	1
2,4,6-Trichlorophenol	55	EPA625	7	Final Effluent	0.74	10	10
Acenaphthene	56	EPA625	7	Final Effluent	0.57	1	1
Acenaphthylene	57	625SIM	7	Final Effluent	0.2	0.2	10
Anthracene	58	625SIM	7	Final Effluent	0.2	0.2	10
Benzdine	59	EPA625	7	Final Effluent	3.4	5	5
Benzo(a)anthracene	60	625SIM	7	Final Effluent	0.2	0.2	5
Benzo(a)pyrene	61	625SIM	7	Final Effluent	0.2	0.2	2
3,4-Benzofluoranthene	62	625SIM	7	Final Effluent	0.2	0.2	10
Benzo(g,h,i)perylene	63	625SIM	7	Final Effluent	0.2	0.2	5
Benzo(k)fluoranthene	64	625SIM	7	Final Effluent	0.2	0.2	10
bis(2-Chloroethoxy)methane	65	EPA625	7	Final Effluent	0.81	5	5
bis(2-Chloroethyl)ether	66	EPA625	7	Final Effluent	0.14	1	1
bis(2-Chloroisopropyl)ether	67	EPA625	7	Final Effluent	0.41	2	2
bis(2-Ethylhexyl)phthalate	68	EPA625	7	Final Effluent	0.83	5	5
4-Bromophenyl phenyl ether	69	EPA625	7	Final Effluent	0.43	5	5
Butyl benzyl phthalate	70	EPA625	7	Final Effluent	0.64	10	10
2-Chloronaphthalene	71	EPA625	7	Final Effluent	0.57	10	10
4-Chlorophenyl phenyl ether	72	EPA625	7	Final Effluent	0.93	5	5
Chrysene	73	625SIM	7	Final Effluent	0.2	0.2	10
Dibenzo(a,h)anthracene	74	625SIM	7	Final Effluent	0.2	0.2	10
3,3'-Dichlorobenzidine	78	EPA625	7	Final Effluent	2	5	5
Diethyl phthalate	79	EPA625	7	Final Effluent	0.86	2	2
Dimethyl phthalate	80	EPA625	7	Final Effluent	0.68	2	2
Di-n-butyl phthalate	81	EPA625	7	Final Effluent	0.91	10	10
2,4-Dinitrotoluene	82	EPA625	7	Final Effluent	0.68	5	5
2,6-Dinitrotoluene	83	EPA625	7	Final Effluent	0.54	5	5
Di-n-octyl phthalate	84	EPA625	7	Final Effluent	0.65	10	10
1,2-Diphenylhydrazine	85	EPA625	7	Final Effluent	0.33	1	1
Fluoranthene	86	EPA625	7	Final Effluent	0.76	1	1
Fluorene	87	EPA625	7	Final Effluent	0.81	10	10
Hexachlorobenzene	88	EPA625	7	Final Effluent	0.89	1	1
Hexachlorobutadiene	89	EPA625	7	Final Effluent	0.84	1	1
Hexachlorocyclopentadiene	90	EPA625	7	Final Effluent	0.45	5	5
Hexachloroethane	91	EPA625	7	Final Effluent	0.58	1	1
Indeno(1,2,3-c,d)pyrene	92	625SIM	7	Final Effluent	0.2	0.2	10
Isophorone	93	EPA625	7	Final Effluent	0.81	1	1
Naphthalene	94	EPA625	7	Final Effluent	0.66	1	1

Compound	CTR Number	Method	Hold Time	Matrix	Alpha's MDL	Alpha's RL	SWRCB Apx 4, ML
Acid/Base Neutral Organic Compounds ~ Continued							
Nitrobenzene	95	EPA625	7	Final Effluent	0.74ug/l	1ug/l	1ug/l
N-Nitrosodimethylamine (NDMA)	96	EPA625	7	Final Effluent	1.1	5	5
N-Nitrosodi-n-propylamine	97	EPA625	7	Final Effluent	0.85	5	5
N-Nitrosodiphenylamine	98	EPA625	7	Final Effluent	0.9	1	1
Phenanthrene	99	625SIM	7	Final Effluent	0.2	0.2	5
Pyrene	100	625SIM	7	Final Effluent	0.2	0.2	10
1,2,4-Trichlorobenzene	101	EPA625	7	Final Effluent	0.59	5	5
Pesticide & Poly Chlorinated Biphenyl Compounds (2 x 1 Liter Amber Glass (unpreserved))							
Aldrin	102	EPA608	7	Final Effluent	0.004	0.005	0.005
Alpha-BHC	103	EPA608	7	Final Effluent	0.002	0.01	0.01
Beta-BHC	104	EPA608	7	Final Effluent	0.002	0.005	0.005
Gamma-BHC	105	EPA608	7	Final Effluent	0.002	0.01	0.02
Delta-BHC	106	EPA608	7	Final Effluent	0.001	0.005	0.005
Chlordane	107	EPA608	7	Final Effluent	0.035	0.05	0.1
4,4'-DDT	108	EPA608	7	Final Effluent	0.005	0.01	0.01
4,4'-DDE	109	EPA608	7	Final Effluent	0.003	0.02	0.05
4,4'-DDD	110	EPA608	7	Final Effluent	0.002	0.02	0.05
Dieldrin	111	EPA608	7	Final Effluent	0.002	0.01	0.01
Endosulfan I	112	EPA608	7	Final Effluent	0.003	0.01	0.02
Endosulfan II	113	EPA608	7	Final Effluent	0.002	0.01	0.01
Endosulfan sulfate	114	EPA608	7	Final Effluent	0.002	0.05	0.05
Endrin	115	EPA608	7	Final Effluent	0.003	0.01	0.01
Endrin aldehyde	116	EPA608	7	Final Effluent	0.002	0.01	0.01
Heptachlor	117	EPA608	7	Final Effluent	0.002	0.01	0.01
Heptachlor epoxide	118	EPA608	7	Final Effluent	0.002	0.01	0.01
PCB Alohclors	119-125	EPA608	7	Final Effluent	0.05	0.5	0.5
Toxaphene	126	EPA608	7	Final Effluent	0.45	0.5	0.5
Metals (500ml Poly (HNO3)) + 250ml Poly (Ammonium Sulfate buffer)) + 8oz Glass Double Bag							
Arsenic	2	EPA200.8	180	Final Effluent	0.07	0.5	2
Cadmium	4	EPA200.8	180	Final Effluent	0.02	0.1	0.25
Chromium	5a	EPA200.8	180	Final Effluent	0.08	0.5	0.5
Hexavalent Chromium	5b	SM3500	180	Final Effluent	5	10	10
Lead	7	EPA200.8	180	Final Effluent	0.02	0.25	0.5
Mercury	8	EPA1631	28	Final Effluent	.2ng/l	0.5ng/l	0.5ng/l
Selenium	10	EPA200.8	180	Final Effluent	0.07ug/l	1ug/l	2ug/l
Silver	11	EPA200.8	180	Final Effluent	0.02	0.1	0.25
Antimony	1	EPA200.8	180	Final Effluent	0.02	0.5	0.5
Beryllium	3	EPA200.8	180	Final Effluent	0.02	0.1	1
Copper	6	EPA200.8	180	Final Effluent	0.04	0.5	0.5
Zinc	13	EPA200.8	180	Final Effluent	0.5	5	10
Nickel	9	EPA200.8	180	Final Effluent	0.06	0.5	5
Thallium	12	EPA200.8	180	Final Effluent	0.02	0.1	1
Misc. Analytical Requirements							
Asbestos	15	EPA100.1	2 days	Final Effluent	sub	sub	0.2MFL>10um
Cyanide	14	EPA335.2	14	Final Effluent	2ug/l	3ug/l	5ug/l
2,3,7,8-TCDD (Dioxin)	16	EPA1613	365	Final Effluent	sub	sub	5.00E-06