

Laboratory Examination Report

REPORT TO:

City of Santa Rosa,
Municipal Service Center
69 Stony Circle
Santa Rosa, CA 95401

MM91984	Farmers Lane Treatment Plant	Collected: 5/16/12 10:27	Received: 5/16/12 11:20	Sampler: WHITEHURST (D)		
METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 1625C	n-Nitrosodimethylamine	ND	µg/l	0.0019	5/23/2012 11:22	
EPA 504.1	1,2-Dibromo-3-chloropropane	ND	µg/l	0.0099	5/24/2012 13:45	
EPA 504.1	1,2-Dibromoethane (EDB)	ND	µg/l	0.020	5/24/2012 13:45	
EPA 505	Alachlor	ND	µg/l	0.96	5/22/2012 13:45	
EPA 505	Arochlor 1016	ND	µg/l	0.25	5/22/2012 13:45	
EPA 505	Arochlor 1221	ND	µg/l	0.18	5/22/2012 13:45	
EPA 505	Arochlor 1232	ND	µg/l	0.22	5/22/2012 13:45	
EPA 505	Arochlor 1242	ND	µg/l	0.25	5/22/2012 13:45	
EPA 505	Arochlor 1248	ND	µg/l	0.29	5/22/2012 13:45	
EPA 505	Arochlor 1254	ND	µg/l	0.32	5/22/2012 13:45	
EPA 505	Arochlor 1260	ND	µg/l	0.35	5/22/2012 13:45	
EPA 505	Chlordane	ND	µg/l	0.096	5/22/2012 13:45	
EPA 505	Endrin	ND	µg/l	0.096	5/22/2012 13:45	
EPA 505	Heptachlor	ND	µg/l	0.0096	5/22/2012 13:45	
EPA 505	Heptachlor epoxide	ND	µg/l	0.0096	5/22/2012 13:45	
EPA 505	Lindane (gamma-BHC)	ND	µg/l	0.19	5/22/2012 13:45	
EPA 505	Methoxychlor	ND	µg/l	9.6	5/22/2012 13:45	
EPA 505	PCBs as Decachlorobiphenyl (DCB)	ND	µg/l	0.48	5/22/2012 13:45	
EPA 505	Toxaphene	ND	µg/l	0.96	5/22/2012 13:45	
EPA 515.4	2,4,5-T	ND	µg/l	0.99	5/23/2012 13:45	
EPA 515.4	2,4,5-TP (Silvex)	ND	µg/l	0.99	5/23/2012 13:45	
EPA 515.4	2,4-D	ND	µg/l	9.9	5/23/2012 13:45	
EPA 515.4	2,4-DB	ND	µg/l	2.0	5/23/2012 13:45	
EPA 515.4	3,5-Dichlorobenzoic acid	ND	µg/l	0.99	5/23/2012 13:45	
EPA 515.4	Acifluorfen	ND	µg/l	0.20	5/23/2012 13:45	
EPA 515.4	Bentazon	ND	µg/l	2.0	5/23/2012 13:45	
EPA 515.4	Dacthal acid metabolites	ND	µg/l	2.0	5/23/2012 13:45	
EPA 515.4	Dalapon	ND	µg/l	9.9	5/23/2012 13:45	
EPA 515.4	Dicamba	ND	µg/l	1.5	5/23/2012 13:45	
EPA 515.4	Dichloroprop	ND	µg/l	0.99	5/23/2012 13:45	
EPA 515.4	Dinoseb	ND	µg/l	2.0	5/23/2012 13:45	
EPA 515.4	Pentachlorophenol	ND	µg/l	0.20	5/23/2012 13:45	
EPA 515.4	Picloram	ND	µg/l	0.99	5/23/2012 13:45	

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EPA 525.2	2,2,3,3,4,4,6-Heptachlorobiphenyl	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	2,2,3,3,4,5,6,6-Octachlorobiphenyl	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	2,2,3,4,6-Pentachlorobiphenyl	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	2,2,4,4,5,6-Hexachlorobiphenyl	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	2,2,4,4-Tetrachlorobiphenyl	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	2,3-Dichlorobiphenyl	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	2,4,5-Trichlorobiphenyl	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	2-Chlorobiphenyl	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	Acenaphthylene	ND	µg/l	5.0	5/23/2012 13:45	
EPA 525.2	Alachlor	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	Aldrin	ND	µg/l	0.075	5/23/2012 13:45	
EPA 525.2	Ametryn	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	Benz(a)anthracene	ND	µg/l	10	5/23/2012 13:45	
EPA 525.2	Benzo(a)pyrene	ND	µg/l	0.10	5/23/2012 13:45	
EPA 525.2	Benzo(b)fluoranthene	ND	µg/l	10	5/23/2012 13:45	
EPA 525.2	Benzo(g,h,i)perylene	ND	µg/l	10	5/23/2012 13:45	
EPA 525.2	Benzo(k)fluoranthene	ND	µg/l	10	5/23/2012 13:45	
EPA 525.2	Butachlor	ND	µg/l	0.38	5/23/2012 13:45	
EPA 525.2	Butyl benzyl phthlate	ND	µg/l	10	5/23/2012 13:45	
EPA 525.2	Butylate	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	Chloroneb	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	Chlorpropham	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	Chlorpyrifos	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	Chrysene	ND	µg/l	5.0	5/23/2012 13:45	
EPA 525.2	Cycloate	ND	µg/l	0.30	5/23/2012 13:45	
EPA 525.2	Di(2-ethylhexyl)adipate	ND	µg/l	5.0	5/23/2012 13:45	
EPA 525.2	Di(2-ethylhexyl)phthalate	ND	µg/l	3.0	5/23/2012 13:45	
EPA 525.2	Dibenz(a,h)anthracene	ND	µg/l	5.0	5/23/2012 13:45	
EPA 525.2	Diethyl phthalate	ND	µg/l	5.0	5/23/2012 13:45	
EPA 525.2	Dimethyl phthalate	ND	µg/l	5.0	5/23/2012 13:45	
EPA 525.2	Di-n-butyl phthlate	ND	µg/l	5.0	5/23/2012 13:45	
EPA 525.2	Diphenamid	ND	µg/l	100	5/23/2012 13:45	
EPA 525.2	Fluorene	ND	µg/l	5.0	5/23/2012 13:45	
EPA 525.2	Hexachlorobenzene	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	Hexachlorocyclopentadiene	ND	µg/l	1.0	5/23/2012 13:45	6
EPA 525.2	Indeno(1,2,3-cd)pyrene	ND	µg/l	10	5/23/2012 13:45	

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EPA 525.2	Lindane (gamma-BHC)	ND	µg/l	0.20	5/23/2012 13:45	
EPA 525.2	Methoxychlor	ND	µg/l	10	5/23/2012 13:45	6
EPA 525.2	Metolachlor	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	Metribuzin	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	Molinate	ND	µg/l	2.0	5/23/2012 13:45	
EPA 525.2	Napropamide	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	Pebulate	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	Permethrins (mixed isomers, total)	ND	µg/l	2.0	5/23/2012 13:45	
EPA 525.2	Phenanthrene	ND	µg/l	5.0	5/23/2012 13:45	
EPA 525.2	Prometryn	ND	µg/l	2.0	5/23/2012 13:45	
EPA 525.2	Propachlor	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	Propazine	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	Pyrene	ND	µg/l	5.0	5/23/2012 13:45	
EPA 525.2	Simetryn	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	Terbutryn (e)	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	Thiobencarb	ND	µg/l	1.0	5/23/2012 13:45	
EPA 525.2	Triadimefon	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	Trifluralin	ND	µg/l	0.50	5/23/2012 13:45	
EPA 525.2	Vernolate	ND	µg/l	0.50	5/23/2012 13:45	
EPA 531.1	3-Hydroxycarbofuran	ND	µg/l	3.0	5/31/2012 13:45	
EPA 531.1	Aldicarb	ND	µg/l	3.0	5/31/2012 13:45	
EPA 531.1	Aldicarb Sulfone	ND	µg/l	4.0	5/31/2012 13:45	
EPA 531.1	Aldicarb Sulfoxide	ND	µg/l	3.0	5/31/2012 13:45	
EPA 531.1	Carbaryl	ND	µg/l	5.0	5/31/2012 13:45	
EPA 531.1	Carbofuran	ND	µg/l	5.0	5/31/2012 13:45	
EPA 531.1	Methomyl	ND	µg/l	2.0	5/31/2012 13:45	
EPA 531.1	Oxamyl	ND	µg/l	20	5/31/2012 13:45	
EPA 549.2	Diquat	ND	µg/l	4.0	5/21/2012 13:45	
EPA 549.2	Paraquat	ND	µg/l	20	5/21/2012 13:45	
EPA 900.0	Gross Alpha	ND	pCi/L	3	5/23/2012 05:58	
EPA 900.0	Gross Beta	DNQ	pCi/L	4	5/23/2012 05:58	J

Analysis Comment: Gross Alpha result was 0.513 pCi/L. Gross Beta result was 2.15pCi/L.
Sample matrix may be affecting Gross Beta result. Data accepted based on LCS/CCV recovery.

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METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 300.0	Chloride	22.7	mg/l	0.5	5/17/2012 10:05	
EPA 300.0	Fluoride	0.2	mg/l	0.1	6/7/2012 12:40	
EPA 300.0	Nitrate as NO3	ND	mg/l	2.0	5/16/2012 16:33	
EPA 300.0	Sulfate	0.7	mg/l	0.3	5/17/2012 10:05	
EPA 314.0	Perchlorate	ND	µg/l	4.0	5/18/2012 13:45	
SM 2320B	Alkalinity (Total)	240	mg/l	10	5/17/2012 11:40	
SM 2320B	Alkalinity (Carbonate)	ND	mg/l	10	5/17/2012 11:40	
SM 2320B	Alkalinity (Bicarbonate)	240	mg/l	10	5/17/2012 11:40	
SM 2320B	Alkalinity (Hydroxide)	ND	mg/l	10	5/17/2012 11:40	
EPA 218.6	Hex. Chrom. in Drinking Water	ND	µg/l	0.2	5/16/2012 14:44	
SM4500NO2-B	Nitrite as NO2 - Drinking Water	<400	µg/l	400	5/17/2012 15:00	
SM 4500H-B	pH	comment	pH	1.0	5/17/2012 11:24	H
Analysis Comment: Estimated pH=7.9 mvl 5/17/12						
EPA 548.1	Endothall	ND	µg/l	45	5/21/2012 13:45	
EPA 547	Glyphosate	ND	µg/l	25	6/6/2012 13:45	
EPA 245.1	Mercury	ND	µg/l	0.03	6/1/2012 13:00	
EPA 200.7	Total Hardness by Calculation - mg/L	148	mg CaCO3/L	1.0	7/17/2012 09:44	
EPA 200.8	Aluminum	DNQ	µg/l	10.0	5/24/2012 10:30	T,J
EPA 200.8	Antimony	ND	µg/l	2.0	5/24/2012 10:30	
EPA 200.8	Arsenic	DNQ	µg/l	1.0	5/24/2012 10:30	J
EPA 200.8	Barium	53.4	µg/l	1.0	5/24/2012 10:30	
EPA 200.8	Beryllium	ND	µg/l	0.5	5/24/2012 10:30	
EPA 200.8	Cadmium	ND	µg/l	0.25	5/24/2012 10:30	
EPA 200.8	Chromium	DNQ	µg/l	10.0	5/24/2012 10:30	N,J

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MM91984	Farmers Lane Treatment Plant	Collected: 5/16/12 10:27	Received: 5/16/12 11:20	Sampler: WHITEHURST (D)		
EPA 200.8	Copper	DNQ	µg/l	0.5	5/24/2012 10:30	A,J
EPA 200.8	Lead	ND	µg/l	0.5	5/24/2012 10:30	
EPA 200.8	Manganese	4.0	µg/l	1.0	5/24/2012 10:30	
EPA 200.8	Nickel	DNQ	µg/l	1.0	5/24/2012 10:30	
EPA 200.8	Selenium	ND	µg/l	2.0	5/24/2012 10:30	
EPA 200.8	Silver	ND	µg/l	0.25	5/24/2012 10:30	
EPA 200.8	Thallium	ND	µg/l	1.0	5/24/2012 10:30	
EPA 200.8	Zinc	2.1	µg/l	2.0	5/24/2012 10:30	
EPA 570/9-84	Aggressive Index for Drinking Water	12.8	A.I.		7/18/2012 06:16	
	EDT Reporting Requested	comment			7/30/2012 14:29	
	Analysis Comment:Submitted 7/30/12 by RSM					
EPA 200.7	Calcium, ICP - Total	29.3	mg/l	0.200	6/12/2012 12:16	
EPA 200.7	Iron, ICP - Total	ND	mg/l	0.050	6/12/2012 10:33	
EPA 200.7	Potassium	8.33	mg/l	0.100	6/12/2012 12:16	
EPA 200.7	Magnesium, ICP - Total	18.1	mg/l	0.200	6/12/2012 12:16	
EPA 200.7	Sodium	55.9	mg/l	1.00	6/12/2012 12:16	
SM 2150B	Odor test	ND	T.O.N.	1.0	5/18/2012 13:45	
EPA 904.0	Radium 228	ND	pCi/L	1	5/23/2012 05:58	
SM 2510B	Electrical Conductivity	510	µmhos/cm	5.0	5/17/2012 16:30	
SM 2540C	Total Dissolved Solids	360	mg/l	10	5/22/2012 17:30	
SM 2130B	Turbidity	0.30	NTU	0.10	5/17/2012 17:30	
EPA 100.2	Asbestos	ND	MFL	0.2	5/18/2012 05:58	
SM 2120B	Color SM2120B CA DW in Water	ND	CU	1.0	5/17/2012 13:45	
	Analysis Comment:pH at time of analysis = 7.7, turbidity ND					
SM 5540 C	Surfactants	ND	mg/l	0.10	5/17/2012 13:45	

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EPA 524.2	1,1,1,2-Tetrachloroethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,1,1-Trichloroethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,1,2,2-Tetrachloroethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,1,2-Trichloroethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,1-Dichloroethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,1-Dichloroethene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,1-Dichloropropene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,2,3-Trichlorobenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,2,3-Trichloropropane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,2,4-Trichlorobenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,2,4-Trimethylbenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,2-Dibromoethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,2-Dichlorobenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,2-Dichloroethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,2-Dichloropropane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,3,5-Trimethylbenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,3-Dichlorobenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,3-Dichloropropane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	1,4-Dichlorobenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	2,2-Dichloropropane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	2-Chlorotoluene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	4-Chlorotoluene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	4-Isopropyltoluene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Benzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Bromobenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Bromochloromethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Bromodichloromethane	ND	µg/l	1.0	5/18/2012 09:43	1
EPA 524.2	Bromoform	ND	µg/l	1.0	5/18/2012 09:43	1
EPA 524.2	Bromomethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Carbon tetrachloride	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Chlorobenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Chloroethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Chloroform	ND	µg/l	1.0	5/18/2012 09:43	1
EPA 524.2	Chloromethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	cis-1,2-Dichloroethene	ND	µg/l	0.50	5/18/2012 09:43	1

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EPA 524.2	cis-1,3-dichloropropene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Dibromochloromethane	ND	µg/l	1.0	5/18/2012 09:43	1
EPA 524.2	Dibromomethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Dichlorodifluoromethane	ND	µg/l	0.50	5/18/2012 09:43	1,6
EPA 524.2	Ethylbenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Freon-113	ND	µg/l	10	5/18/2012 09:43	1
EPA 524.2	Hexachlorobutadiene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Isopropylbenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	m,p-Xylene	ND	µg/l	1.0	5/18/2012 09:43	1
EPA 524.2	Methylene chloride	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Methyl-tert-butyl ether	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Naphthalene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	n-Butylbenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	n-Propylbenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	o-Xylene	ND	µg/l	1.0	5/18/2012 09:43	1
EPA 524.2	sec-Butylbenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Styrene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	tert-Butylbenzene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Tetrachloroethene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Toluene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	trans-1,2-Dichloroethene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	trans-1,3-dichloropropene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Trichloroethene	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Trichlorofluoromethane	ND	µg/l	0.50	5/18/2012 09:43	1
EPA 524.2	Vinyl chloride	ND	µg/l	0.50	5/18/2012 09:43	1