

Laboratory Examination Report

REPORT TO:

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

MM81391	Farmers Lane Treatment Plant	Collected: 6/21/11 12:35	Received: 6/21/11 14:42	Sampler: THURMAN (C)		
METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 504.1	1,2-Dibromo-3-chloropropane	ND	µg/l	0.0095	6/24/2011 09:15	
EPA 504.1	1,2-Dibromoethane (EDB)	ND	µg/l	0.019	6/24/2011 09:15	
EPA 505	Alachlor	ND	µg/l	0.96	6/27/2011 09:15	
EPA 505	Arochlor 1016	ND	µg/l	0.26	6/27/2011 09:15	
EPA 505	Arochlor 1221	ND	µg/l	0.19	6/27/2011 09:15	
EPA 505	Arochlor 1232	ND	µg/l	0.23	6/27/2011 09:15	
EPA 505	Arochlor 1242	ND	µg/l	0.26	6/27/2011 09:15	
EPA 505	Arochlor 1248	ND	µg/l	0.30	6/27/2011 09:15	
EPA 505	Arochlor 1254	ND	µg/l	0.33	6/27/2011 09:15	
EPA 505	Arochlor 1260	ND	µg/l	0.36	6/27/2011 09:15	
EPA 505	Chlordane	ND	µg/l	0.096	6/27/2011 09:15	
EPA 505	Endrin	ND	µg/l	0.096	6/27/2011 09:15	
EPA 505	Heptachlor	ND	µg/l	0.0096	6/27/2011 09:15	
EPA 505	Heptachlor epoxide	ND	µg/l	0.0096	6/27/2011 09:15	
EPA 505	Lindane (gamma-BHC)	ND	µg/l	0.19	6/27/2011 09:15	
EPA 505	Methoxychlor	ND	µg/l	9.6	6/27/2011 09:15	
EPA 505	Toxaphene	ND	µg/l	0.96	6/27/2011 09:15	
EPA 515.4	2,4,5-TP (Silvex)	ND	µg/l	0.98	6/24/2011 09:15	
EPA 515.4	2,4-D	ND	µg/l	9.8	6/24/2011 09:15	
EPA 515.4	Bentazon	ND	µg/l	2.0	6/24/2011 09:15	
EPA 515.4	Dacthal acid metabolites	ND	µg/l	2.0	6/24/2011 09:15	
EPA 515.4	Dalapon	ND	µg/l	9.8	6/24/2011 09:15	
EPA 515.4	Dicamba	ND	µg/l	1.5	6/24/2011 09:15	
EPA 515.4	Dinoseb	ND	µg/l	2.0	6/24/2011 09:15	
EPA 515.4	Pentachlorophenol	ND	µg/l	0.20	6/24/2011 09:15	
EPA 515.4	Picloram	ND	µg/l	0.98	6/24/2011 09:15	
EPA 525.2	2,2,3,3,4,4,6-Heptachlorobiphenyl	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	2,2,3,3,4,4,6-Octachlorobiphenyl	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	2,2,3,4,6-Pentachlorobiphenyl	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	2,2,4,4,5,6-Hexachlorobiphenyl	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	2,2,4,4-Tetrachlorobiphenyl	ND	µg/l	0.50	6/28/2011 09:15	
EPA 525.2	2,3-Dichlorobiphenyl	ND	µg/l	0.50	6/28/2011 09:15	
EPA 525.2	2,4,5-Trichlorobiphenyl	ND	µg/l	0.50	6/28/2011 09:15	

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EPA 525.2	2-Chlorobiphenyl	ND	µg/l	0.50	6/28/2011 09:15	
EPA 525.2	Acenaphthylene	ND	µg/l	5.0	6/28/2011 09:15	
EPA 525.2	Alachlor	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	Aldrin	ND	µg/l	0.075	6/28/2011 09:15	
EPA 525.2	Ametryn	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	Benz(a)anthracene	ND	µg/l	10	6/28/2011 09:15	
EPA 525.2	Benzo(a)pyrene	ND	µg/l	0.10	6/28/2011 09:15	
EPA 525.2	Benzo(b)fluoranthene	ND	µg/l	10	6/28/2011 09:15	
EPA 525.2	Benzo(g,h,i)perylene	ND	µg/l	10	6/28/2011 09:15	
EPA 525.2	Benzo(k)fluoranthene	ND	µg/l	10	6/28/2011 09:15	
EPA 525.2	Butachlor	ND	µg/l	0.38	6/28/2011 09:15	
EPA 525.2	Butyl benzyl phthlate	ND	µg/l	10	6/28/2011 09:15	
EPA 525.2	Butylate	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	Chloroneb	ND	µg/l	0.50	6/28/2011 09:15	
EPA 525.2	Chloroprotham	ND	µg/l	5.0	6/28/2011 09:15	
EPA 525.2	Chlorpyrifos	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	Chrysene	ND	µg/l	5.0	6/28/2011 09:15	
EPA 525.2	Cycloate	ND	µg/l	0.30	6/28/2011 09:15	
EPA 525.2	Di(2-ethylhexyl)adipate	ND	µg/l	5.0	6/28/2011 09:15	
EPA 525.2	Di(2-ethylhexyl)phthalate	ND	µg/l	3.0	6/28/2011 09:15	
EPA 525.2	Dibenz(a,h)anthracene	ND	µg/l	5.0	6/28/2011 09:15	
EPA 525.2	Diethyl phthalate	ND	µg/l	5.0	6/28/2011 09:15	
EPA 525.2	Dimethyl phthalate	ND	µg/l	5.0	6/28/2011 09:15	
EPA 525.2	Di-n-butyl phthlate	ND	µg/l	5.0	6/28/2011 09:15	
EPA 525.2	Diphenamid	ND	µg/l	100	6/28/2011 09:15	
EPA 525.2	Fluorene	ND	µg/l	5.0	6/28/2011 09:15	
EPA 525.2	Hexachlorobenzene	ND	µg/l	0.50	6/28/2011 09:15	
EPA 525.2	Hexachlorocyclopentadiene	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	Indeno(1,2,3-cd)pyrene	ND	µg/l	10	6/28/2011 09:15	
EPA 525.2	Lindane (gamma-BHC)	ND	µg/l	0.20	6/28/2011 09:15	
EPA 525.2	Methoxychlor	ND	µg/l	10	6/28/2011 09:15	
EPA 525.2	Metolachlor	ND	µg/l	0.50	6/28/2011 09:15	
EPA 525.2	Metribuzin	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	Molinate	ND	µg/l	2.0	6/28/2011 09:15	
EPA 525.2	Napropamide	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	Pebulate	ND	µg/l	0.50	6/28/2011 09:15	

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EPA 525.2	Permethrins (mixed isomers, total)	ND	µg/l	2.0	6/28/2011 09:15	
EPA 525.2	Phenanthrene	ND	µg/l	5.0	6/28/2011 09:15	
EPA 525.2	Prometryn	ND	µg/l	2.0	6/28/2011 09:15	
EPA 525.2	Propachlor	ND	µg/l	0.50	6/28/2011 09:15	
EPA 525.2	Propazine	ND	µg/l	0.5	6/28/2011 09:15	
EPA 525.2	Pyrene	ND	µg/l	5.0	6/28/2011 09:15	
EPA 525.2	Simetryn	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	Terbutryn (e)	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	Thiobencarb	ND	µg/l	1.0	6/28/2011 09:15	
EPA 525.2	Triadimefon	ND	µg/l	0.50	6/28/2011 09:15	
EPA 525.2	Trifluralin	ND	µg/l	0.50	6/28/2011 09:15	
EPA 525.2	Vernolate	ND	µg/l	0.50	6/28/2011 09:15	
EPA 531.1	3-Hydroxycarbofuran	ND	µg/l	3.0	6/24/2011 09:15	
EPA 531.1	Aldicarb	ND	µg/l	3.0	6/24/2011 09:15	
EPA 531.1	Aldicarb Sulfone	ND	µg/l	4.0	6/24/2011 09:15	
EPA 531.1	Aldicarb Sulfoxide	ND	µg/l	3.0	6/24/2011 09:15	
EPA 531.1	Carbaryl	ND	µg/l	5.0	6/24/2011 09:15	
EPA 531.1	Carbofuran	ND	µg/l	5.0	6/24/2011 09:15	
EPA 531.1	Methomyl	ND	µg/l	2.0	6/24/2011 09:15	
EPA 531.1	Oxamyl	ND	µg/l	20	6/24/2011 09:15	
EPA 549.2	Diquat	ND	µg/l	4.0	6/27/2011 09:15	
EPA 549.2	Paraquat	ND	µg/l	20	6/27/2011 09:15	
EPA 900.0	Gross Alpha	ND	pCi/L	3	6/30/2011 09:15	
EPA 900.0	Gross Beta	ND	pCi/L	4	6/30/2011 09:15	
EPA 300.0	Chloride	24.3	mg/l	0.5	6/28/2011 13:00	
EPA 300.0	Fluoride	0.2	mg/l	0.1	6/23/2011 13:00	
EPA 300.0	Nitrate as NO3	<2.0	mg/l	2.0	6/22/2011 13:00	
EPA 300.0	Sulfate	0.6	mg/l	0.3	6/28/2011 13:00	
EPA 314.0	Perchlorate	ND	µg/l	4.0	6/24/2011 11:15	

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METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
SM 2320B	Alkalinity (Total)	250	mg/l	3.0	6/23/2011 12:00	
SM 2320B	Alkalinity (Carbonate)	<3.0	mg/l	3.0	6/23/2011 12:00	
SM 2320B	Alkalinity (Bicarbonate)	250	mg/l	3.0	6/23/2011 12:00	
SM 2320B	Alkalinity (Hydroxide)	<3.0	mg/l	3.0	6/23/2011 12:00	
4500-NO2B	Nitrite as N - Drinking Water	<400	µg/l	400	6/22/2011 10:30	
SM 4500-H B	pH	Comment	pH	1	6/21/2011 15:13	H
Analysis Comment: Estimated pH=7.8 mwl 6/21/11						
EPA 548.1	Endothall	ND	µg/l	45	6/27/2011 09:15	
EPA 547	Glyphosate	ND	µg/l	25	6/24/2011 10:43	
EPA 245.1	Mercury	<0.05	µg/l	0.05	7/13/2011 10:03	
SM 2340B	Total Hardness by Calculation - mg/L	144	mg CaCO3/L	1.0	7/5/2011 13:49	
EPA 200.8	Aluminum	DNQ	µg/l	10.0	6/23/2011 13:02	J,T
EPA 200.8	Antimony	ND	µg/l	2.0	6/23/2011 13:02	
EPA 200.8	Arsenic	1.8	µg/l	1.0	6/23/2011 13:02	
EPA 200.8	Barium	56.0	µg/l	1.0	6/23/2011 13:02	
EPA 200.8	Beryllium	ND	µg/l	0.5	6/23/2011 13:02	
EPA 200.8	Cadmium	ND	µg/l	1.0	6/23/2011 13:02	
EPA 200.8	Chromium	DNQ	µg/l	2.0	6/23/2011 13:02	J
EPA 200.8	Copper	DNQ	µg/l	2.0	6/23/2011 13:02	J
EPA 200.8	Lead	ND	µg/l	1.0	6/23/2011 13:02	
EPA 200.8	Manganese	2.4	µg/l	1.0	6/23/2011 13:02	
EPA 200.8	Nickel	DNQ	µg/l	2.0	6/23/2011 13:02	J
EPA 200.8	Selenium	DNQ	µg/l	2.0	6/23/2011 13:02	J
EPA 200.8	Silver	ND	µg/l	1.0	6/23/2011 13:02	
EPA 200.8	Thallium	ND	µg/l	1.0	6/23/2011 13:02	
EPA 200.8	Zinc	DNQ	µg/l	20	6/23/2011 13:02	J
EPA 570/9-84	Aggressive Index for Drinking Water	12.4	A.I.		7/25/2011 11:15	

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METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
MM81391	Farmers Lane Treatment Plant	Collected: 6/21/11 12:35	Received: 6/21/11 14:42	Sampler: THURMAN (C)		
EPA 200.7	Calcium, ICP - Total	28.6	mg/l	2.0	6/23/2011 13:22	E
EPA 200.7	Iron, ICP - Total	ND	mg/l	0.050	6/23/2011 13:22	
EPA 200.7	Potassium	7.74	mg/l	0.100	6/23/2011 13:22	
EPA 200.7	Magnesium, ICP - Total	17.7	mg/l	0.200	6/23/2011 13:22	
EPA 200.7	Sodium	53.3	mg/l	1.00	6/23/2011 13:22	
SM 2150B	Odor test	ND	T.O.N.	1.0	6/23/2011 09:15	
EPA 904.0	Radium 228	ND	pCi/L	1	7/3/2011 09:15	
SM 2510B	Electrical Conductivity	500	µmhos/cm	0.5	6/21/2011 15:23	
SM2540C	Total Dissolved Solids	360	mg/l	10	6/21/2011 16:00	
SM 2130B	Turbidity	<0.10	NTU	0.10	6/21/2011 16:00	
EPA 100.2	Asbestos	ND	MFL	0.2	6/24/2011 09:15	
SM 2120B	Color SM2120B CA DW in Water	ND	CU	1.0	6/23/2011 09:15	
Analysis Comment:pH=7.56						
SM 5540 C	Surfactants	Comment	mg/l	0.10	6/23/2011 09:15	H
Analysis Comment:Estimated MBAS = ND per TA 6/23/11						
EPA 524.2	1,1,1-Trichloroethane	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	1,1,2,2-Tetrachloroethane	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	1,1,2-Trichloroethane	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	1,1-Dichloroethane	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	1,1-Dichloroethene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	1,2,4-Trichlorobenzene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	1,2-Dichlorobenzene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	1,2-Dichloroethane	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	1,2-Dichloropropane	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	1,4-Dichlorobenzene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	Benzene	ND	µg/l	0.50	6/28/2011 11:15	

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EPA 524.2	Carbon tetrachloride	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	Chlorobenzene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	cis-1,2-Dichloroethene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	cis-1,3-dichloropropene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	Ethylbenzene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	Freon-113	ND	µg/l	10	6/28/2011 11:15	
EPA 524.2	m,p-Xylene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	Methylene chloride	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	Methyl-tert-butyl ether	ND	µg/l	3.0	6/28/2011 11:15	
EPA 524.2	o-Xylene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	Styrene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	Tetrachloroethene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	Toluene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	trans-1,2-Dichloroethene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	trans-1,3-dichloropropene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	Trichloroethene	ND	µg/l	0.50	6/28/2011 11:15	
EPA 524.2	Trichlorofluoromethane	ND	µg/l	5.0	6/28/2011 11:15	
EPA 524.2	Vinyl chloride	ND	µg/l	0.50	6/28/2011 11:15	
EDT Reporting Requested		comment		8/2/2011 15:49		
Analysis Comment: Submitted on 08/02/11 by RSM						

Qualifiers

- E - Reporting limit raised due to analyte concentration in method blank that exceeds method criteria.
- H - Analysis hold time exceeded, values are estimated.
- J - Detected, Not Quantified (DNQ)
- T - Target analyte detected in method blank at or above the method detection limit.

This data has been reviewed and approved for release.

Report Date : 8/3/2011 9:01:44AM



Digitally signed by Shirlee Johnson
DN: cn=Shirlee Johnson, email=sjohnson@rcity.org, o=Laguna
Environmental Laboratory, ou=Utilities, c=US
Date: 2011.08.03 09:04:42 -0700

Shirlee Johnson, Laboratory Supervisor