

Laboratory Examination Report

REPORT TO:

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

NN03475 Farmers Lane Well 01		Collected: 5/15/13 08:33	Received: 5/15/13 09:45	Sampler: WHITEHURST (D)		
METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 1625C	n-Nitrosodimethylamine	ND	µg/l	0.0020	5/21/2013 12:48	
EPA 504.1	1,2-Dibromo-3-chloropropane	ND	µg/l	0.0097	5/20/2013 09:01	
EPA 504.1	1,2-Dibromoethane (EDB)	ND	µg/l	0.019	5/20/2013 09:01	
EPA 505	Alachlor	ND	µg/l	0.94	5/16/2013 13:39	
EPA 505	Arochlor 1016	ND	µg/l	0.25	5/16/2013 13:39	
EPA 505	Arochlor 1221	ND	µg/l	0.18	5/16/2013 13:39	
EPA 505	Arochlor 1232	ND	µg/l	0.22	5/16/2013 13:39	
EPA 505	Arochlor 1242	ND	µg/l	0.25	5/16/2013 13:39	
EPA 505	Arochlor 1248	ND	µg/l	0.28	5/16/2013 13:39	
EPA 505	Arochlor 1254	ND	µg/l	0.31	5/16/2013 13:39	
EPA 505	Arochlor 1260	ND	µg/l	0.34	5/16/2013 13:39	
EPA 505	Chlordane	ND	µg/l	0.094	5/16/2013 13:39	
EPA 505	Endrin	ND	µg/l	0.094	5/16/2013 13:39	
EPA 505	Heptachlor	ND	µg/l	0.0094	5/16/2013 13:39	
EPA 505	Heptachlor epoxide	ND	µg/l	0.0094	5/16/2013 13:39	
EPA 505	Lindane (gamma-BHC)	ND	µg/l	0.19	5/16/2013 13:39	
EPA 505	Methoxychlor	ND	µg/l	9.4	5/16/2013 13:39	
EPA 505	PCBs as Decachlorobiphenyl (DCB)	ND	µg/l	0.47	5/16/2013 13:39	
EPA 505	Toxaphene	ND	µg/l	0.94	5/16/2013 13:39	
<p>Analysis Comment: The continuing calibration verification (CCV) recovered above the upper control limit for Hexachlorocyclopentadiene, Heptachlor, Alachlor, Endrin and Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. TA</p>						
EPA 515.4	2,4,5-T	ND	µg/l	1.0	5/23/2013 08:33	
EPA 515.4	2,4,5-TP (Silvex)	ND	µg/l	1.0	5/23/2013 08:33	
EPA 515.4	2,4-D	ND	µg/l	10	5/23/2013 08:33	
EPA 515.4	2,4-DB	ND	µg/l	2.0	5/23/2013 08:33	1
EPA 515.4	3,5-Dichlorobenzoic acid	ND	µg/l	1.0	5/23/2013 08:33	
EPA 515.4	Acifluorfen	ND	µg/l	0.20	5/23/2013 08:33	
EPA 515.4	Bentazon	ND	µg/l	2.0	5/23/2013 08:33	
EPA 515.4	Dacthal acid metabolites	ND	µg/l	2.0	5/23/2013 08:33	
EPA 515.4	Dalapon	ND	µg/l	10	5/23/2013 08:33	
EPA 515.4	Dicamba	ND	µg/l	1.5	5/23/2013 08:33	

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EPA 515.4	Dichloroprop	ND	µg/l	1.0	5/23/2013 08:33	
EPA 515.4	Dinoseb	ND	µg/l	2.0	5/23/2013 08:33	
EPA 515.4	Pentachlorophenol	ND	µg/l	0.20	5/23/2013 08:33	
EPA 515.4	Picloram	ND	µg/l	1.0	5/23/2013 08:33	
EPA 525.2	2,2,3,3,4,4,6-Heptachlorobiphenyl	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	2,2,3,3,4,5,6,6-Octachlorobiphenyl	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	2,2,3,4,6-Pentachlorobiphenyl	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	2,2,4,4,5,6-Hexachlorobiphenyl	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	2,2,4,4-Tetrachlorobiphenyl	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	2,3-Dichlorobiphenyl	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	2,4,5-Trichlorobiphenyl	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	2-Chlorobiphenyl	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	Acenaphthylene	ND	µg/l	5.0	5/20/2013 16:21	
EPA 525.2	Alachlor	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	Aldrin	ND	µg/l	0.075	5/20/2013 16:21	
EPA 525.2	Ametryn	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	Benz(a)anthracene	ND	µg/l	10	5/20/2013 16:21	
EPA 525.2	Benzo(a)pyrene	ND	µg/l	0.10	5/20/2013 16:21	
EPA 525.2	Benzo(b)fluoranthene	ND	µg/l	10	5/20/2013 16:21	
EPA 525.2	Benzo(g,h,i)perylene	ND	µg/l	10	5/20/2013 16:21	
EPA 525.2	Benzo(k)fluoranthene	ND	µg/l	10	5/20/2013 16:21	
EPA 525.2	Butachlor	ND	µg/l	0.38	5/20/2013 16:21	
EPA 525.2	Butyl benzyl phthlate	ND	µg/l	10	5/20/2013 16:21	
EPA 525.2	Butylate	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	Chloroneb	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	Chloroprotham	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	Chlorpyrifos	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	Chrysene	ND	µg/l	5.0	5/20/2013 16:21	
EPA 525.2	Cycloate	ND	µg/l	0.30	5/20/2013 16:21	
EPA 525.2	Di(2-ethylhexyl)adipate	ND	µg/l	5.0	5/20/2013 16:21	
EPA 525.2	Di(2-ethylhexyl)phthalate	ND	µg/l	3.0	5/20/2013 16:21	
EPA 525.2	Dibenz(a,h)anthracene	ND	µg/l	5.0	5/20/2013 16:21	
EPA 525.2	Diethyl phthalate	ND	µg/l	5.0	5/20/2013 16:21	

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EPA 525.2	Dimethyl phthalate	ND	µg/l	5.0	5/20/2013 16:21	
EPA 525.2	Di-n-butyl phthlate	ND	µg/l	5.0	5/20/2013 16:21	
EPA 525.2	Diphenamid	ND	µg/l	100	5/20/2013 16:21	
EPA 525.2	Fluorene	ND	µg/l	5.0	5/20/2013 16:21	
EPA 525.2	Hexachlorobenzene	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	Hexachlorocyclopentadiene	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	Indeno(1,2,3-cd)pyrene	ND	µg/l	10	5/20/2013 16:21	
EPA 525.2	Lindane (gamma-BHC)	ND	µg/l	0.20	5/20/2013 16:21	
EPA 525.2	Methoxychlor	ND	µg/l	10	5/20/2013 16:21	
EPA 525.2	Metolachlor	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	Metribuzin	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	Molinate	ND	µg/l	2.0	5/20/2013 16:21	
EPA 525.2	Napropamide	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	Pebulate	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	Permethrins (mixed isomers, total)	ND	µg/l	2.0	5/20/2013 16:21	
EPA 525.2	Phenanthrene	ND	µg/l	5.0	5/20/2013 16:21	
EPA 525.2	Prometryn	ND	µg/l	2.0	5/20/2013 16:21	
EPA 525.2	Propachlor	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	Propazine	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	Pyrene	ND	µg/l	5.0	5/20/2013 16:21	
EPA 525.2	Simetryn	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	Terbutryn (e)	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	Thiobencarb	ND	µg/l	1.0	5/20/2013 16:21	
EPA 525.2	Triadimefon	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	Trifluralin	ND	µg/l	0.50	5/20/2013 16:21	
EPA 525.2	Vernolate	ND	µg/l	0.50	5/20/2013 16:21	

Analysis Comment: IS Chrysene-d12 response exceeded the lower control limit indicating the sample results may be biased high. The method blank was ND for all target analytes. No bias was detected and data was reportable.

MS surrogate failed high, MB was ND for all targets therefore no bias detected and all sample surrogates passed.

CCV and LCS failed high for some compounds, samples were ND and were therefore reported.

EPA 531.1	3-Hydroxycarbofuran	ND	µg/l	3.0	5/23/2013 19:26	
EPA 531.1	Aldicarb	ND	µg/l	3.0	5/23/2013 19:26	
EPA 531.1	Aldicarb Sulfone	ND	µg/l	4.0	5/23/2013 19:26	
EPA 531.1	Aldicarb Sulfoxide	ND	µg/l	3.0	5/23/2013 19:26	

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NN03475 Farmers Lane Well 01 Collected: 5/15/13 08:33 Recieved: 5/15/13 09:45 Sampler: WHITEHURST (D)						
EPA 531.1	Carbaryl	ND	µg/l	5.0	5/23/2013 19:26	
EPA 531.1	Carbofuran	ND	µg/l	5.0	5/23/2013 19:26	
EPA 531.1	Methomyl	ND	µg/l	2.0	5/23/2013 19:26	
EPA 531.1	Oxamyl	ND	µg/l	20	5/23/2013 19:26	
EPA 549.2	Diquat	ND	µg/l	4.0	5/22/2013 08:29	
EPA 549.2	Paraquat	ND	µg/l	20	5/22/2013 08:29	
EPA 900.0	Gross Alpha	DNQ	pCi/L	3.0	5/17/2013 00:00	J
EPA 900.0	Gross Beta	4.33	pCi/L	4.0	5/17/2013 00:00	
Analysis Comment:Gross Alpha 1.00+/- 1.07 PCi/L Gross Beta 4.33+/-1.46 PCi/L						
EPA 300.0	Chloride	17.7	mg/l	5.0	5/24/2013 12:20	
EPA 300.0	Fluoride	0.24	mg/l	0.10	5/31/2013 11:47	
EPA 300.0	Nitrate as NO3	ND	mg/l	2.0	5/15/2013 15:25	
EPA 300.0	Sulfate	ND	mg/l	0.3	5/23/2013 13:50	1
EPA 314.0	Perchlorate	ND	µg/l	4.0	5/24/2013 13:54	
SM 2320B	Alkalinity (Total)	220	mg/l	10	5/16/2013 11:30	
SM 2320B	Alkalinity (Carbonate)	ND	mg/l	10	5/16/2013 11:30	
SM 2320B	Alkalinity (Bicarbonate)	220	mg/l	10	5/16/2013 11:30	
SM 2320B	Alkalinity (Hydroxide)	ND	mg/l	10	5/16/2013 11:30	
SM4500NO2-B	Nitrite as NO2 - Drinking Water	ND	µg/l	400	5/15/2013 13:26	
SM 4500H-B	pH	comment	pH	1.0	5/15/2013 11:37	H
Analysis Comment:Estimated pH is 7.7 ks 5/15/15						
EPA 548.1	Endothall	ND	µg/l	45	5/22/2013 08:27	1

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METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 547	Glyphosate	ND	µg/l	25	5/23/2013 15:26	
EPA 245.1	Mercury	ND	µg/l	0.03	5/29/2013 10:44	
EPA 200.7	Total Hardness by Calculation - mg/L	139	mg CaCO3/L	1.0	5/23/2013 16:12	
EPA 200.8	Aluminum	31.2	µg/l	10.0	5/22/2013 11:25	T
EPA 200.8	Antimony	ND	µg/l	2.0	5/22/2013 11:25	
EPA 200.8	Arsenic	2.3	µg/l	1.0	5/22/2013 11:25	
EPA 200.8	Barium	36.1	µg/l	1.0	5/22/2013 11:25	
EPA 200.8	Beryllium	ND	µg/l	0.5	5/22/2013 11:25	
EPA 200.8	Cadmium	ND	µg/l	0.25	5/22/2013 11:25	
EPA 200.8	Chromium	DNQ	µg/l	0.5	5/22/2013 11:25	J
EPA 200.8	Copper	1.2	µg/l	0.5	5/22/2013 11:25	
EPA 200.8	Lead	DNQ	µg/l	0.5	5/22/2013 11:25	J
EPA 200.8	Manganese	65.6	µg/l	1.0	5/22/2013 11:25	
EPA 200.8	Nickel	1.3	µg/l	1.0	5/22/2013 11:25	
EPA 200.8	Selenium	ND	µg/l	2.0	5/22/2013 11:25	
EPA 200.8	Silver	ND	µg/l	0.25	5/22/2013 11:25	
EPA 200.8	Thallium	ND	µg/l	1.0	5/22/2013 11:25	
EPA 200.8	Zinc	ND	µg/l	2.0	5/22/2013 11:25	
Analysis Comment: Aluminum was prepared and analyzed on 5/23/2013 WSN 5/24/2013						
EPA 570/9-84	Aggressive Index for Drinking Water	11.9	A.I.		6/3/2013 11:13	
EPA 200.7	Calcium, ICP - Total	27.3	mg/l	0.600	5/23/2013 10:22	T,E
EPA 200.7	Iron, ICP - Total	0.611	mg/l	0.050	5/23/2013 10:22	
EPA 200.7	Potassium	6.39	mg/l	2.8	5/23/2013 10:22	5,T,E
EPA 200.7	Magnesium, ICP - Total	17.1	mg/l	0.200	5/23/2013 10:22	
EPA 200.7	Sodium	51.3	mg/l	1.00	5/23/2013 10:22	
SM 2150B	Odor test	1.0	T.O.N.	1.0	5/21/2013 13:24	

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EPA 903.1	Radium 226	ND	pCi/L	0.439	5/22/2013 09:00	
Analysis Comment: Ra226 0.343 +/- 0.269 pCi/L						
EPA 904.0	Radium 228	Comment	pCi/L	1	6/27/2013 10:46	
Analysis Comment: TA did not receive a container for Ra 228 so was unable to perform this analysis.						
SM 2510B	Electrical Conductivity	470	µmhos/cm	5.0	5/16/2013 11:45	
SM 2540C	Total Dissolved Solids	330	mg/l	10	5/17/2013 13:00	
SM 2130B	Turbidity	0.40	NTU	0.10	5/16/2013 13:20	
EPA 100.2	Asbestos	ND	MFL	0.2	5/17/2013 14:00	
SM 4500-CN-E	Cyanide	ND	mg/l	0.025	5/22/2013 19:59	
SM 2120B	Color SM2120B CA DW in Water	ND	CU	1.0	5/16/2013 10:15	
EPA 1613	2,3,7,8-TCDD	ND	pg/l	5.0	5/22/2013 09:07	
SM 5540 C	Surfactants	ND	mg/l	0.10	5/16/2013 10:15	
EPA 524.2	1,1,1,2-Tetrachloroethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,1,1-Trichloroethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,1,2,2-Tetrachloroethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,1,2-Trichloroethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,1-Dichloroethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,1-Dichloroethene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,1-Dichloropropene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,2,3-Trichlorobenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,2,3-Trichloropropane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,2,4-Trichlorobenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,2,4-Trimethylbenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,2-Dibromoethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,2-Dichlorobenzene	ND	µg/l	0.5	5/19/2013 03:03	1

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EPA 524.2	1,2-Dichloroethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,2-Dichloropropane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,3,5-Trimethylbenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,3-Dichlorobenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,3-Dichloropropane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	1,4-Dichlorobenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	2,2-Dichloropropane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	2-Chlorotoluene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	4-Chlorotoluene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	4-Isopropyltoluene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Benzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Bromobenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Bromochloromethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Bromodichloromethane	ND	µg/l	1.0	5/19/2013 03:03	1
EPA 524.2	Bromoform	ND	µg/l	1.0	5/19/2013 03:03	1
EPA 524.2	Bromomethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Carbon tetrachloride	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Chlorobenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Chloroethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Chloroform	ND	µg/l	1.0	5/19/2013 03:03	1
EPA 524.2	Chloromethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	cis-1,2-Dichloroethene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	cis-1,3-dichloropropene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Dibromochloromethane	ND	µg/l	1.0	5/19/2013 03:03	1
EPA 524.2	Dibromomethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Dichlorodifluoromethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Ethylbenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Freon-113	ND	µg/l	10	5/19/2013 03:03	1
EPA 524.2	Hexachlorobutadiene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Isopropylbenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	m,p-Xylene	ND	µg/l	1.0	5/19/2013 03:03	1
EPA 524.2	Methylene chloride	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Methyl-tert-butyl ether	ND	µg/l	0.5	5/19/2013 03:03	1

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EPA 524.2	Naphthalene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	n-Butylbenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	n-Propylbenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	o-Xylene	ND	µg/l	1.0	5/19/2013 03:03	1
EPA 524.2	sec-Butylbenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Styrene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	tert-Butylbenzene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Tetrachloroethene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Toluene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	trans-1,2-Dichloroethene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	trans-1,3-dichloropropene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Trichloroethene	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Trichlorofluoromethane	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Vinyl chloride	ND	µg/l	0.5	5/19/2013 03:03	1
EPA 524.2	Tert-Butanol (TBA)	ND	µg/l	2.0	5/20/2013 03:03	

Qualifiers

- 1 - Batch LFM/D or MS/D outside acceptance limits. Data is accepted based on passing method required LFB and/or QCS/LCS.
- 5 - Reporting Limit(s) have been raised to account for sample dilution due to probable matrix interference.
- 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 and/or equipment blank at or above the method detection limit.

This data has been reviewed and approved for release.

Report Date : 8/2/2013 1:20:55PM



Rachel McCormick
Principal Analyst
rmccormick@srcity.org

Digitally signed by Rachel McCormick
Date: 2013.08.02 14:07:53 -07'00'

Laboratory Examination Report

REPORT TO:

City of Santa Rosa,
Municipal Service Center
69 Stony Circle
Santa Rosa, CA 95407

NN03476 Farmers Lane Well 02		Collected: 5/15/13 09:03	Received: 5/15/13 09:45	Sampler: WHITEHURST (D)		
METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 1625C	n-Nitrosodimethylamine	ND	µg/l	0.0019	5/22/2013 16:18	
EPA 504.1	1,2-Dibromo-3-chloropropane	ND	µg/l	0.0096	5/20/2013 09:01	
EPA 504.1	1,2-Dibromoethane (EDB)	ND	µg/l	0.019	5/20/2013 09:01	
EPA 505	Alachlor	ND	µg/l	0.96	5/21/2013 10:43	
EPA 505	Arochlor 1016	ND	µg/l	0.25	5/21/2013 10:43	
EPA 505	Arochlor 1221	ND	µg/l	0.18	5/21/2013 10:43	
EPA 505	Arochlor 1232	ND	µg/l	0.22	5/21/2013 10:43	
EPA 505	Arochlor 1242	ND	µg/l	0.25	5/21/2013 10:43	
EPA 505	Arochlor 1248	ND	µg/l	0.29	5/21/2013 10:43	
EPA 505	Arochlor 1254	ND	µg/l	0.32	5/21/2013 10:43	
EPA 505	Arochlor 1260	ND	µg/l	0.35	5/21/2013 10:43	
EPA 505	Chlordane	ND	µg/l	0.096	5/21/2013 10:43	
EPA 505	Endrin	ND	µg/l	0.096	5/21/2013 10:43	
EPA 505	Heptachlor	ND	µg/l	0.0096	5/21/2013 10:43	
EPA 505	Heptachlor epoxide	ND	µg/l	0.0096	5/21/2013 10:43	
EPA 505	Lindane (gamma-BHC)	ND	µg/l	0.19	5/21/2013 10:43	
EPA 505	Methoxychlor	ND	µg/l	9.6	5/21/2013 10:43	
EPA 505	PCBs as Decachlorobiphenyl (DCB)	ND	µg/l	0.48	5/21/2013 10:43	
EPA 505	Toxaphene	ND	µg/l	0.96	5/21/2013 10:43	
EPA 515.4	2,4,5-T	ND	µg/l	1.0	5/23/2013 08:33	
EPA 515.4	2,4,5-TP (Silvex)	ND	µg/l	1.0	5/23/2013 08:33	
EPA 515.4	2,4-D	ND	µg/l	10	5/23/2013 08:33	
EPA 515.4	2,4-DB	ND	µg/l	2.0	5/23/2013 08:33	1
EPA 515.4	3,5-Dichlorobenzoic acid	ND	µg/l	1.0	5/23/2013 08:33	
EPA 515.4	Acifluorfen	ND	µg/l	0.20	5/23/2013 08:33	
EPA 515.4	Bentazon	ND	µg/l	2.0	5/23/2013 08:33	
EPA 515.4	Dacthal acid metabolites	ND	µg/l	2.0	5/23/2013 08:33	
EPA 515.4	Dalapon	ND	µg/l	10	5/23/2013 08:33	
EPA 515.4	Dicamba	ND	µg/l	1.5	5/23/2013 08:33	
EPA 515.4	Dichloroprop	ND	µg/l	1.0	5/23/2013 08:33	
EPA 515.4	Dinoseb	ND	µg/l	2.0	5/23/2013 08:33	

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METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 515.4	Pentachlorophenol	ND	µg/l	0.20	5/23/2013 08:33	
EPA 515.4	Picloram	ND	µg/l	1.0	5/23/2013 08:33	
EPA 525.2	2,2,3,3,4,4,6-Heptachlorobiphenyl	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	2,2,3,3,4,5,6,6-Octachlorobiphenyl	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	2,2,3,4,6-Pentachlorobiphenyl	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	2,2,4,4,5,6-Hexachlorobiphenyl	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	2,2,4,4-Tetrachlorobiphenyl	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	2,3-Dichlorobiphenyl	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	2,4,5-Trichlorobiphenyl	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	2-Chlorobiphenyl	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	Acenaphthylene	ND	µg/l	4.8	5/20/2013 16:21	
EPA 525.2	Alachlor	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	Aldrin	ND	µg/l	0.072	5/20/2013 16:21	
EPA 525.2	Ametryn	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	Benz(a)anthracene	ND	µg/l	9.6	5/20/2013 16:21	
EPA 525.2	Benzo(a)pyrene	ND	µg/l	0.096	5/20/2013 16:21	
EPA 525.2	Benzo(b)fluoranthene	ND	µg/l	9.6	5/20/2013 16:21	
EPA 525.2	Benzo(g,h,i)perylene	ND	µg/l	9.6	5/20/2013 16:21	
EPA 525.2	Benzo(k)fluoranthene	ND	µg/l	9.6	5/20/2013 16:21	
EPA 525.2	Butachlor	ND	µg/l	0.36	5/20/2013 16:21	
EPA 525.2	Butyl benzyl phthalate	ND	µg/l	9.6	5/20/2013 16:21	
EPA 525.2	Butylate	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	Chloroneb	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	Chloroprotham	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	Chlorpyrifos	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	Chrysene	ND	µg/l	4.8	5/20/2013 16:21	
EPA 525.2	Cycloate	ND	µg/l	0.29	5/20/2013 16:21	
EPA 525.2	Di(2-ethylhexyl)adipate	ND	µg/l	4.8	5/20/2013 16:21	
EPA 525.2	Di(2-ethylhexyl)phthalate	ND	µg/l	2.9	5/20/2013 16:21	
EPA 525.2	Dibenz(a,h)anthracene	ND	µg/l	4.8	5/20/2013 16:21	
EPA 525.2	Diethyl phthalate	ND	µg/l	4.8	5/20/2013 16:21	
EPA 525.2	Dimethyl phthalate	ND	µg/l	4.8	5/20/2013 16:21	
EPA 525.2	Di-n-butyl phthalate	ND	µg/l	4.8	5/20/2013 16:21	

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METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 525.2	Diphenamid	ND	µg/l	96.0	5/20/2013 16:21	
EPA 525.2	Fluorene	ND	µg/l	4.8	5/20/2013 16:21	
EPA 525.2	Hexachlorobenzene	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	Hexachlorocyclopentadiene	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	Indeno(1,2,3-cd)pyrene	ND	µg/l	9.6	5/20/2013 16:21	
EPA 525.2	Lindane (gamma-BHC)	ND	µg/l	0.19	5/20/2013 16:21	
EPA 525.2	Methoxychlor	ND	µg/l	9.6	5/20/2013 16:21	
EPA 525.2	Metolachlor	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	Metribuzin	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	Molinate	ND	µg/l	1.9	5/20/2013 16:21	
EPA 525.2	Napropamide	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	Pebulate	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	Permethrins (mixed isomers, total)	ND	µg/l	1.9	5/20/2013 16:21	
EPA 525.2	Phenanthrene	ND	µg/l	4.8	5/20/2013 16:21	
EPA 525.2	Prometryn	ND	µg/l	1.9	5/20/2013 16:21	
EPA 525.2	Propachlor	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	Propazine	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	Pyrene	ND	µg/l	4.8	5/20/2013 16:21	
EPA 525.2	Simetryn	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	Terbutryn (e)	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	Thiobencarb	ND	µg/l	0.96	5/20/2013 16:21	
EPA 525.2	Triadimefon	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	Trifluralin	ND	µg/l	0.48	5/20/2013 16:21	
EPA 525.2	Vernolate	ND	µg/l	0.48	5/20/2013 16:21	

Analysis Comment: IS Chrysene-d12 response exceeded the lower control limit indicating the sample results may be biased high. The method blank was ND for all target analytes. No bias was detected and data was reportable.

MS surrogate failed high, MB was ND for all targets therefore no bias detected and all sample surrogates passed.

CCV and LCS failed high for some compounds, samples were ND and were therefore reported.

EPA 531.1	3-Hydroxycarbofuran	ND	µg/l	3.0	5/23/2013 19:51	
EPA 531.1	Aldicarb	ND	µg/l	3.0	5/23/2013 19:51	
EPA 531.1	Aldicarb Sulfone	ND	µg/l	4.0	5/23/2013 19:51	
EPA 531.1	Aldicarb Sulfoxide	ND	µg/l	3.0	5/23/2013 19:51	
EPA 531.1	Carbaryl	ND	µg/l	5.0	5/23/2013 19:51	
EPA 531.1	Carbofuran	ND	µg/l	5.0	5/23/2013 19:51	

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METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 531.1	Methomyl	ND	µg/l	2.0	5/23/2013 19:51	
EPA 531.1	Oxamyl	ND	µg/l	20	5/23/2013 19:51	
EPA 549.2	Diquat	ND	µg/l	4.0	5/22/2013 08:29	
EPA 549.2	Paraquat	ND	µg/l	20	5/22/2013 08:29	
EPA 900.0	Gross Alpha	ND	pCi/L	3.0	5/17/2013 00:00	
EPA 900.0	Gross Beta	4.94	pCi/L	4.0	5/17/2013 00:00	
Analysis Comment: Gross Alpha = 1.74 +/- 1.69pCi/L Gross Beta = 4.94 +/- 1.69PCi/L						
EPA 300.0	Chloride	26.9	mg/l	5.0	5/24/2013 13:16	
EPA 300.0	Fluoride	0.25	mg/l	0.1	5/31/2013 11:47	
EPA 300.0	Nitrate as NO3	ND	mg/l	2.0	5/15/2013 16:02	
EPA 300.0	Sulfate	ND	mg/l	0.3	5/23/2013 14:45	1
EPA 314.0	Perchlorate	ND	µg/l	4.0	5/24/2013 14:15	
SM 2320B	Alkalinity (Total)	230	mg/l	10	5/16/2013 11:30	
SM 2320B	Alkalinity (Carbonate)	ND	mg/l	10	5/16/2013 11:30	
SM 2320B	Alkalinity (Bicarbonate)	230	mg/l	10	5/16/2013 11:30	
SM 2320B	Alkalinity (Hydroxide)	ND	mg/l	10	5/16/2013 11:30	
SM4500NO2-B	Nitrite as NO2 - Drinking Water	ND	µg/l	400	5/15/2013 13:26	
SM 4500H-B	pH	comment	pH	1.0	5/15/2013 11:43	H
Analysis Comment: Estimated pH is 7.7 ks /15/15						
EPA 548.1	Endothall	ND	µg/l	45	5/22/2013 08:27	1
EPA 547	Glyphosate	ND	µg/l	25	5/23/2013 16:02	

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NN03476 Farmers Lane Well 02		Collected: 5/15/13 09:03	Received: 5/15/13 09:45	Sampler: WHITEHURST (D)		
METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 245.1	Mercury	ND	µg/l	0.03	5/29/2013 10:44	
EPA 200.7	Total Hardness by Calculation - mg/L	146	mg CaCO3/L	1.0	5/23/2013 16:12	
EPA 200.8	Aluminum	16.5	µg/l	10.0	5/22/2013 11:25	T
EPA 200.8	Antimony	ND	µg/l	2.0	5/22/2013 11:25	
EPA 200.8	Arsenic	DNQ	µg/l	1.0	5/22/2013 11:25	J
EPA 200.8	Barium	33.3	µg/l	1.0	5/22/2013 11:25	
EPA 200.8	Beryllium	ND	µg/l	0.5	5/22/2013 11:25	
EPA 200.8	Cadmium	ND	µg/l	0.25	5/22/2013 11:25	
EPA 200.8	Chromium	DNQ	µg/l	0.5	5/22/2013 11:25	J
EPA 200.8	Copper	ND	µg/l	0.5	5/22/2013 11:25	
EPA 200.8	Lead	ND	µg/l	0.5	5/22/2013 11:25	
EPA 200.8	Manganese	68.8	µg/l	1.0	5/22/2013 11:25	
EPA 200.8	Nickel	DNQ	µg/l	1.0	5/22/2013 11:25	J
EPA 200.8	Selenium	ND	µg/l	2.0	5/22/2013 11:25	
EPA 200.8	Silver	ND	µg/l	0.25	5/22/2013 11:25	
EPA 200.8	Thallium	ND	µg/l	1.0	5/22/2013 11:25	
EPA 200.8	Zinc	ND	µg/l	2.0	5/22/2013 11:25	
Analysis Comment: Aluminum was prepared and analyzed on 5/23/2013 WSN 5/24/2013						
EPA 570/9-84	Aggressive Index for Drinking Water	11.9	A.I.		6/3/2013 11:13	
EPA 200.7	Calcium, ICP - Total	28.9	mg/l	0.600	5/23/2013 10:22	T,E
EPA 200.7	Iron, ICP - Total	0.197	mg/l	0.050	5/23/2013 10:22	
EPA 200.7	Potassium	7.21	mg/l	2.8	5/23/2013 10:22	5,T,E
EPA 200.7	Magnesium, ICP - Total	18.0	mg/l	0.200	5/23/2013 10:22	
EPA 200.7	Sodium	56.5	mg/l	1.00	5/23/2013 10:22	
SM 2150B	Odor test	3.0	T.O.N.	1.0	5/21/2013 13:24	
EPA 903.1	Radium 226	ND	pCi/L	0.439	5/22/2013 09:00	

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METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
Analysis Comment: Ra226 = 0.038 +/- 0.168 pCi/L						
EPA 904.0	Radium 228	Comment	pCi/L	1	6/27/2013 10:51	
Analysis Comment: TA did not receive a container for Ra228 so was unable to perform this analysis.						
SM 2510B	Electrical Conductivity	520	µmhos/cm	5.0	5/16/2013 11:45	
SM 2540C	Total Dissolved Solids	360	mg/l	10	5/17/2013 13:00	
SM 2130B	Turbidity	0.25	NTU	0.10	5/16/2013 13:20	
EPA 100.2	Asbestos	ND	MFL	0.2	5/17/2013 11:00	
SM 4500-CN-E	Cyanide	ND	mg/l	0.025	5/22/2013 19:59	
SM 2120B	Color SM2120B CA DW in Water	ND	CU	1.0	5/16/2013 10:15	
EPA 1613	2,3,7,8-TCDD	ND	pg/l	5.0	5/22/2013 09:07	
SM 5540 C	Surfactants	ND	mg/l	0.10	5/16/2013 19:33	
EPA 524.2	1,1,1,2-Tetrachloroethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,1,1-Trichloroethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,1,2,2-Tetrachloroethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,1,2-Trichloroethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,1-Dichloroethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,1-Dichloroethene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,1-Dichloropropene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,2,3-Trichlorobenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,2,3-Trichloropropane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,2,4-Trichlorobenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,2,4-Trimethylbenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,2-Dibromoethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,2-Dichlorobenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,2-Dichloroethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,2-Dichloropropane	ND	µg/l	0.5	5/19/2013 03:33	1

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METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 524.2	1,3,5-Trimethylbenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,3-Dichlorobenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,3-Dichloropropane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	1,4-Dichlorobenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	2,2-Dichloropropane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	2-Chlorotoluene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	4-Chlorotoluene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	4-Isopropyltoluene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Benzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Bromobenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Bromochloromethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Bromodichloromethane	ND	µg/l	1.0	5/19/2013 03:33	1
EPA 524.2	Bromoform	ND	µg/l	1.0	5/19/2013 03:33	1
EPA 524.2	Bromomethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Carbon tetrachloride	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Chlorobenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Chloroethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Chloroform	ND	µg/l	1.0	5/19/2013 03:33	1
EPA 524.2	Chloromethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	cis-1,2-Dichloroethene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	cis-1,3-dichloropropene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Dibromochloromethane	ND	µg/l	1.0	5/19/2013 03:33	1
EPA 524.2	Dibromomethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Dichlorodifluoromethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Ethylbenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Freon-113	ND	µg/l	10	5/19/2013 03:33	1
EPA 524.2	Hexachlorobutadiene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Isopropylbenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	m,p-Xylene	ND	µg/l	1.0	5/19/2013 03:33	1
EPA 524.2	Methylene chloride	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Methyl-tert-butyl ether	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Naphthalene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	n-Butylbenzene	ND	µg/l	0.5	5/19/2013 03:33	1

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METHOD	ANALYTE	RESULT	UNITS	RL	ANALYZED	QUALIFIER
EPA 524.2	n-Propylbenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	o-Xylene	ND	µg/l	1.0	5/19/2013 03:33	1
EPA 524.2	sec-Butylbenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Styrene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	tert-Butylbenzene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Tetrachloroethene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Toluene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	trans-1,2-Dichloroethene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	trans-1,3-dichloropropene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Trichloroethene	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Trichlorofluoromethane	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Vinyl chloride	ND	µg/l	0.5	5/19/2013 03:33	1
EPA 524.2	Tert-Butanol (TBA)	ND	µg/l	2.0	5/20/2013 13:06	

Qualifiers

- 1 - Batch LFM/D or MS/D outside acceptance limits. Data is accepted based on passing method required LFB and/or QCS/LCS.
- 5 - Reporting Limit(s) have been raised to account for sample dilution due to probable matrix interference.
- 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 and/or equipment blank at or above the method detection limit.

This data has been reviewed and approved for release.

Report Date : 8/2/2013 1:30:12PM



Rachel McCormick
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Digitally signed by Rachel McCormick
Date: 2013.08.02 14:08:28 -07'00'