



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com  
 Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Santa Rosa, City of - Utilities Dept. 4300 Llano Rd. Santa Rosa CA, 95407	Project Manager: Rachel McCormick Project: SCM Project Number: 4910009	Reported: 01/17/22 10:26
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**Conventional Chemistry Parameters by APHA/EPA Methods**

Analyte	Result	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
		MDL	Limit	Units								
<b>Farmer's Lane Well 01 (007) (21L1898-02) Water</b> <b>Sampled: 12/14/21 10:00</b> <b>Received: 12/14/21 15:30</b>												
Color	4.0	3.0	5.0	CU	1	AL14084	12/15/21 16:15	12/15/21 16:15	SM2120B	SMS	1551	J
MBAS, calculated as LAS, mw 340	ND	0.030	0.050	mg/L	1	AL14056	12/15/21 08:00	12/15/21 16:45	SM5540C	MRL	1551	U
Odor	ND	1.0	1.0	T.O.N.	1	AL14084	12/15/21 09:50	12/15/21 09:50	EPA 140.1	SMS	1551	U
Perchlorate	ND	0.40	2.0	ug/L	1	AL14639	12/15/21 08:00	12/15/21 21:08	EPA 314.0	MVA	2303	U
<b>Farmer's Lane Well 02 (008) (21L1898-03) Water</b> <b>Sampled: 12/14/21 10:26</b> <b>Received: 12/14/21 15:30</b>												
Color	4.0	3.0	5.0	CU	1	AL14084	12/15/21 16:15	12/15/21 16:15	SM2120B	SMS	1551	J
MBAS, calculated as LAS, mw 340	ND	0.030	0.050	mg/L	1	AL14056	12/15/21 08:00	12/15/21 16:45	SM5540C	MRL	1551	U
Odor	20	1.0	1.0	T.O.N.	1	AL14084	12/15/21 10:05	12/15/21 10:05	EPA 140.1	SMS	1551	
Perchlorate	ND	0.40	2.0	ug/L	1	AL14639	12/15/21 08:00	12/15/21 21:24	EPA 314.0	MVA	2303	U

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**Nitrogen- and Phosphorus- Pesticides by EPA Method 507**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
			Limit										
<b>Farmer's Lane Well 01 (007) (21L1898-02) Water</b> <b>Sampled: 12/14/21 10:00</b> <b>Received: 12/14/21 15:30</b>													
Alachlor	ND	0.50	1.0		ug/L	1	AL14831	12/21/21 13:13	12/30/21 03:35	EPA 507	MCB	1551	U
Atrazine	ND	0.30	0.50		ug/L	1	AL14831	12/21/21 13:13	12/30/21 03:35	EPA 507	MCB	1551	U
Molinate	ND	0.20	2.0		ug/L	1	AL14831	12/21/21 13:13	12/30/21 03:35	EPA 507	MCB	1551	U
Simazine	ND	0.30	1.0		ug/L	1	AL14831	12/21/21 13:13	12/30/21 03:35	EPA 507	MCB	1551	U
Surrogate: 1,3-Dimethyl-2-nitrobenzene		87.8 %	70-130				AL14831	12/21/21 13:13	12/30/21 03:35	EPA 507	MCB	1551	
<b>Farmer's Lane Well 02 (008) (21L1898-03) Water</b> <b>Sampled: 12/14/21 10:26</b> <b>Received: 12/14/21 15:30</b>													
Alachlor	ND	0.50	1.0		ug/L	1	AL14831	12/21/21 13:13	12/30/21 04:32	EPA 507	MCB	1551	U
Atrazine	ND	0.30	0.50		ug/L	1	AL14831	12/21/21 13:13	12/30/21 04:32	EPA 507	MCB	1551	U
Molinate	ND	0.20	2.0		ug/L	1	AL14831	12/21/21 13:13	12/30/21 04:32	EPA 507	MCB	1551	U
Simazine	ND	0.30	1.0		ug/L	1	AL14831	12/21/21 13:13	12/30/21 04:32	EPA 507	MCB	1551	U
Surrogate: 1,3-Dimethyl-2-nitrobenzene		102 %	70-130				AL14831	12/21/21 13:13	12/30/21 04:32	EPA 507	MCB	1551	

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**Chlorinated Acids by EPA Method 515.3**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
		MDL	Limit									
<b>Farmer's Lane Well 01 (007) (21L1898-02) Water</b> <b>Sampled: 12/14/21 10:00</b> <b>Received: 12/14/21 15:30</b>												
Bentazon	ND	0.20	2.0	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:26	EPA 515.3	MCB	1551	U
2,4-D	ND	1.0	10	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:26	EPA 515.3	MCB	1551	U
Dalapon	ND	2.0	10	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:26	EPA 515.3	MCB	1551	U
Dinoseb	ND	0.20	2.0	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:26	EPA 515.3	MCB	1551	U
Pentachlorophenol	ND	0.20	0.20	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:26	EPA 515.3	MCB	1551	U
Picloram	ND	0.10	1.0	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:26	EPA 515.3	MCB	1551	U
2,4,5-TP (Silvex)	ND	0.20	1.0	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:26	EPA 515.3	MCB	1551	U
Surrogate: DCAA		94.9 %	70-130			AL14605	12/20/21 06:45	12/27/21 20:26	EPA 515.3	MCB	1551	
<b>Farmer's Lane Well 02 (008) (21L1898-03) Water</b> <b>Sampled: 12/14/21 10:26</b> <b>Received: 12/14/21 15:30</b>												
Bentazon	ND	0.20	2.0	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:53	EPA 515.3	MCB	1551	U
2,4-D	ND	1.0	10	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:53	EPA 515.3	MCB	1551	U
Dalapon	ND	2.0	10	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:53	EPA 515.3	MCB	1551	U
Dinoseb	ND	0.20	2.0	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:53	EPA 515.3	MCB	1551	U
Pentachlorophenol	ND	0.20	0.20	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:53	EPA 515.3	MCB	1551	U
Picloram	ND	0.10	1.0	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:53	EPA 515.3	MCB	1551	U
2,4,5-TP (Silvex)	ND	0.20	1.0	ug/L	1	AL14605	12/20/21 06:45	12/27/21 20:53	EPA 515.3	MCB	1551	U
Surrogate: DCAA		101 %	70-130			AL14605	12/20/21 06:45	12/27/21 20:53	EPA 515.3	MCB	1551	

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**Carbamates by EPA Method 531.1**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP #	Notes
		MDL	Limit									
<b>Farmer's Lane Well 01 (007) (21L1898-02) Water</b>												
<b>Sampled: 12/14/21 10:00 Received: 12/14/21 15:30</b>												
Carbofuran	ND	0.40	5.0	ug/L	1	AL13736	12/15/21 07:00	12/16/21 05:39	EPA 531.1	MM	1551	U
Oxanyl	ND	0.90	20	ug/L	1	AL13736	12/15/21 07:00	12/16/21 05:39	EPA 531.1	MM	1551	U
<b>Farmer's Lane Well 02 (008) (21L1898-03) Water</b>												
<b>Sampled: 12/14/21 10:26 Received: 12/14/21 15:30</b>												
Carbofuran	ND	0.40	5.0	ug/L	1	AL13736	12/15/21 07:00	12/16/21 06:54	EPA 531.1	MM	1551	U
Oxanyl	ND	0.90	20	ug/L	1	AL13736	12/15/21 07:00	12/16/21 06:54	EPA 531.1	MM	1551	U

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**Endothall by EPA Method 548.1**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
			Limit										
<b>Farmer's Lane Well 01 (007) (21L1898-02) Water</b>													
			Sampled: 12/14/21 10:00		Received: 12/14/21 15:30								
Endothall	ND	20	45		ug/L	1	AL14431	12/20/21 08:00	12/21/21 21:06	EPA 548.1	NBH	1551	U
<b>Farmer's Lane Well 02 (008) (21L1898-03) Water</b>													
			Sampled: 12/14/21 10:26		Received: 12/14/21 15:30								
Endothall	ND	20	45		ug/L	1	AL14431	12/20/21 08:00	12/21/21 21:46	EPA 548.1	NBH	1551	U

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**Diquat by EPA Method 549.2**

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	ELAP#	Notes
			Limit										
<b>Farmer's Lane Well 01 (007) (21L1898-02) Water</b>													
			Sampled: 12/14/21 10:00		Received: 12/14/21 15:30								
Diquat	ND	0.60	4.0		ug/L	1	AL14693	12/20/21 13:02	12/22/21 11:34	EPA 549.2	MM	1551	U
<b>Farmer's Lane Well 02 (008) (21L1898-03) Water</b>													
			Sampled: 12/14/21 10:26		Received: 12/14/21 15:30								
Diquat	ND	0.60	4.0		ug/L	1	AL14693	12/20/21 13:02	12/22/21 12:01	EPA 549.2	MM	1551	U

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### Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- U Analyte included in analysis, but not detected at or above MDL.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- MDL Method detection limit
- Rec Recovery
- RPD Relative Percent Difference

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