ATTACHMENT 7
WELL NO. 2 WATER QUALITY INFORMATION

Resort Well #2 Fe & Mn Results						
Date	**Time**	**I.D. #**	**Fe ug/L**	**Mn ug/L**	**Sampler**	
5/28/2024	9:07	0001	74	ND	DF	
6/4/2024	9:45	0002	ND	ND	DF	
6/10/2024	9:54	0003	35	ND	DF	
6/13/2024	10:18	0004	ND	ND	DF	
6/18/2024	9:29	0005	ND	ND	DF	
6/24/2024	9:30	0006	35	ND	DF	
7/1/2024	10:00	0007	46	ND	DF	
7/8/2024	9:50	0008	30	ND	DF	
7/15/2024	10:00	0009	85	ND	DF	
7/22/2024	9:30	0010	**820**	ND	DF	
8/12/2024	9:32	0011	180	ND	DF	
8/19/2024	10:20	0012	ND	ND	DF	
8/26/2024	9:15	0013	47	ND	DF	
9/23/2024	10:00	0014	120	ND	DF	
10/1/2024	9:20	0015	78	ND	DF	
11/4/2024	10:33	0016	ND	ND	DF	
11/12/2024	8:52	0017	230	ND	DF	
11/18/2024	10:40	**0018***	**1700**	ND	DF	
12/4/2024	9:30	**0019***	**360**	ND	DF	
3/17/2025	9:17	0020	62	ND	DF	
3/24/2025	9:24	**0021***	50	ND	DF	***turned pump on**
4/2/2025	10:23	**0022**	ND	ND	SF	
		MCL=	300 ug/L	50 ug/L		

Vista Irrigation District
1391 Engineer St.
Vista, CA 92081

Project Number: Water Quality & PFASTesting

Project Manager: Dean Farris

Reported: 12/18/2024 10:51

Sample Results

Sample: Well #2

Sampled: 11/04/24 0:00 by Client

4J31004-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.0						
Method: EPA 300.0		**Instr:** LC12				
Batch ID: W4K0524 **Preparation:** _NONE (LC)		**Prepared:** 11/07/24 09:06			**Analyst:** CAM	
Chloride, Total	**26**	0.50	mg/l	1	11/07/24	
Fluoride, Total	**0.15**	0.10	mg/l	1	11/07/24	
Sulfate as SO4	**24**	0.50	mg/l	1	11/07/24	
Carbamates and Urea Pesticides						
Method: EPA 531.2		**Instr:** LC11				
Batch ID: W4K1219 **Preparation:** _NONE (LC)		**Prepared:** 11/15/24 08:56			**Analyst:** cam	
3-Hydroxycarbofuran	ND	2.0	ug/l	1	11/20/24	
Aldicarb	ND	2.0	ug/l	1	11/20/24	
Aldicarb sulfone	ND	2.0	ug/l	1	11/20/24	
Aldicarb sulfoxide	ND	2.0	ug/l	1	11/20/24	
Carbaryl	ND	2.0	ug/l	1	11/20/24	
Carbofuran	ND	2.0	ug/l	1	11/20/24	
Methiocarb	ND	2.0	ug/l	1	11/20/24	
Methomyl	ND	2.0	ug/l	1	11/20/24	
Oxamyl	ND	2.0	ug/l	1	11/20/24	
Propoxur (Baygon)	ND	2.0	ug/l	1	11/20/24	
Surrogate(s)						
BDMC	*118%*	*Conc: 11.8*	*70-130*		*11/20/24*	
Chlorinated Pesticides and/or PCBs by GC/ECD						
Method: EPA 508.1		**Instr:** GC08				
Batch ID: W4K0715 **Preparation:** EPA 508.1/SPE		**Prepared:** 11/11/24 07:04			**Analyst:** alf	
4,4´-DDD	ND	0.010	ug/l	1	11/13/24	
4,4´-DDE	ND	0.010	ug/l	1	11/13/24	
4,4´-DDT	ND	0.010	ug/l	1	11/13/24	
Aldrin	ND	0.010	ug/l	1	11/13/24	BS-04
alpha-BHC	ND	0.010	ug/l	1	11/13/24	
Aroclor 1016	ND	0.10	ug/l	1	11/13/24	
Aroclor 1221	ND	0.10	ug/l	1	11/13/24	
Aroclor 1232	ND	0.10	ug/l	1	11/13/24	
Aroclor 1242	ND	0.10	ug/l	1	11/13/24	
Aroclor 1248	ND	0.10	ug/l	1	11/13/24	
Aroclor 1254	ND	0.10	ug/l	1	11/13/24	
Aroclor 1260	ND	0.10	ug/l	1	11/13/24	
beta-BHC	ND	0.010	ug/l	1	11/13/24	
Chlordane (tech)	ND	0.10	ug/l	1	11/13/24	

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Sample Results

(Continued)

Sample: Well #2

Sampled: 11/04/24 0:00 by Client

4J31004-01 (Water)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)						
Method: EPA 508.1		**Instr:** GC08				
Batch ID: W4K0715	**Preparation:** EPA 508.1/SPE	**Prepared:** 11/11/24 07:04			**Analyst:** alf	
Chlorothalonil	ND	0.050	ug/l	1	11/13/24	
delta-BHC	ND	0.010	ug/l	1	11/13/24	
Dieldrin	ND	0.010	ug/l	1	11/13/24	
Endosulfan I	ND	0.010	ug/l	1	11/13/24	
Endosulfan II	ND	0.010	ug/l	1	11/13/24	
Endosulfan sulfate	ND	0.010	ug/l	1	11/13/24	
Endrin	ND	0.010	ug/l	1	11/13/24	
Endrin aldehyde	ND	0.010	ug/l	1	11/13/24	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	11/13/24	
Heptachlor	ND	0.010	ug/l	1	11/13/24	
Heptachlor epoxide	ND	0.010	ug/l	1	11/13/24	
Hexachlorobenzene	ND	0.050	ug/l	1	11/13/24	
Hexachlorocyclopentadiene	ND	0.20	ug/l	1	11/13/24	
Methoxychlor	ND	0.010	ug/l	1	11/13/24	
PCBs, Total	ND	0.50	ug/l	1	11/13/24	
Propachlor	ND	0.20	ug/l	1	11/13/24	
Toxaphene	ND	1.0	ug/l	1	11/13/24	
Trifluralin	ND	0.010	ug/l	1	11/13/24	
Surrogate(s)						
4,4-Dibromobiphenyl	*103% Conc: 0.100*	*70-130*			*11/13/24*	
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods						
Method: _Various		**Instr:** [CALC]				
Batch ID: [CALC]	**Preparation:** [CALC]	**Prepared:** 11/07/24 10:39			**Analyst:** CAM	
Total Anions	**4.0**	0.44	meq/l		11/07/24	
Total Cations	**3.7**	0.51	meq/l		11/11/24	
Total Hardness as CaCO3	**111**	3.31	mg/l		11/11/24	
Method: EPA 140.1		**Instr:** _ANALYST				
Batch ID: W4K0343	**Preparation:** _NONE (WETCHEM)	**Prepared:** 11/05/24 16:14			**Analyst:** dig	
Threshold Odor Number	ND	1.0	T.O.N.	1	11/05/24 16:39	O-07
Method: EPA 180.1		**Instr:** TURB01				
Batch ID: W4K0347	**Preparation:** _NONE (WETCHEM)	**Prepared:** 11/05/24 16:59			**Analyst:** MES	
Turbidity	**1.0**	0.10	NTU	1	11/05/24 17:40	
Method: EPA 335.4		**Instr:** AA07				
Batch ID: W4K0662	**Preparation:** _NONE (WETCHEM)	**Prepared:** 11/08/24 10:38			**Analyst:** ISM	
Cyanide, Total	ND	5.0	ug/l	1	11/12/24	

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Sample Results

(Continued)

Sample: Well #2

Sampled: 11/04/24 0:00 by Client

4J31004-01 (Water)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods (Continued)						
Method: EPA 335.4		**Instr:** AA07				
Batch ID: W4K0662	**Preparation:** _NONE (WETCHEM)	**Prepared:** 11/08/24 10:38			**Analyst:** ISM	
Method: EPA 353.2		**Instr:** AA01				
Batch ID: W4K0318	**Preparation:** _NONE (WETCHEM)	**Prepared:** 11/05/24 13:48			**Analyst:** ATN	
Nitrate as N	**0.23**	0.20	mg/l	1	11/05/24 16:37	
Nitrite as N	ND	100	ug/l	1	11/05/24 16:37	
NO2+NO3 as N	**230**	200	ug/l	1	11/05/24	
Method: SM 2120B		**Instr:** _ANALYST				
Batch ID: W4K0346	**Preparation:** _NONE (WETCHEM)	**Prepared:** 11/05/24 16:56			**Analyst:** rob	
Color	ND	3.0	Color Units	1	11/05/24 17:19	
Method: SM 2320B		**Instr:** AA02				
Batch ID: W4K0352	**Preparation:** _NONE (WETCHEM)	**Prepared:** 11/05/24 18:36			**Analyst:** mes	
Alkalinity as CaCO3	**140**	20	mg/l	1	11/06/24	
Bicarbonate Alkalinity as HCO3	**160**	24	mg/l	1	11/06/24	
Carbonate Alkalinity as CaCO3	ND	20	mg/l	1	11/06/24	
Hydroxide Alkalinity as CaCO3	ND	20	mg/l	1	11/06/24	
Method: SM 2510B		**Instr:** AA02				
Batch ID: W4K0441	**Preparation:** _NONE (WETCHEM)	**Prepared:** 11/06/24 12:31			**Analyst:** mes	
Specific Conductance (EC)	**360**	2.0	umhos/cm	1	11/06/24	
Method: SM 2540C		**Instr:** OVEN17				
Batch ID: W4K0434	**Preparation:** _NONE (WETCHEM)	**Prepared:** 11/06/24 11:27			**Analyst:** ism	
Total Dissolved Solids	**240**	10	mg/l	1	11/06/24	
Method: SM 4500H+-B		**Instr:** AA02				
Batch ID: W4K0340	**Preparation:** _NONE (WETCHEM)	**Prepared:** 11/05/24 16:00			**Analyst:** mes	
pH	**7.02**	0.10	pH Units	1	11/05/24 18:10	*
Method: SM 5540C		**Instr:** UVVIS04				
Batch ID: W4K0240	**Preparation:** _NONE (WETCHEM)	**Prepared:** 11/05/24 14:18			**Analyst:** dig/ymt	
MBAS	ND	0.050	mg/l	1	11/05/24 18:23	
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC10				
Batch ID: W4K0612	**Preparation:** EPA 549.2/SPE	**Prepared:** 11/08/24 07:00			**Analyst:** cam	
Diquat	ND	4.0	ug/l	1	11/18/24	
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W4K0358	**Preparation:** EPA 548.1/SPE	**Prepared:** 11/06/24 07:09			**Analyst:** rmr	
Endothall	ND	45	ug/l	1	11/12/24	
Glyphosate by EPA 547						

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Sample Results

(Continued)

Sample: Well #2

Sampled: 11/04/24 0:00 by Client

4J31004-01 (Water)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547 (Continued)						
Method: EPA 547		**Instr:** LC11				
Batch ID: W4K0816 **Preparation:** _NONE (LC)		**Prepared:** 11/12/24 13:00				**Analyst:** cam
Glyphosate	ND	25	ug/l	1	11/12/24	
Hexavalent Chromium by IC						
Method: EPA 218.6		**Instr:** LC13				
Batch ID: W4K0376 **Preparation:** _NONE (LC)		**Prepared:** 11/06/24 08:52				**Analyst:** CLL
Chromium 6+	**0.17**	0.020	ug/l	1	11/06/24	
Metals by EPA 200 Series Methods						
Method: EPA 200.7		**Instr:** ICP03				
Batch ID: W4K0491 **Preparation:** EPA 200.2		**Prepared:** 11/07/24 10:39				**Analyst:** tyc
Calcium, Total	**28.0**	0.500	mg/l	1	11/11/24	
Iron, Total	**63**	30	ug/l	1	11/11/24	
Magnesium, Total	**9.99**	0.500	mg/l	1	11/11/24	
Potassium, Total	**5.8**	0.50	mg/l	1	11/11/24	
Sodium, Total	**30**	10	mg/l	1	11/11/24	
Method: EPA 200.8		**Instr:** ICPMS04				
Batch ID: W4K0492 **Preparation:** EPA 200.2		**Prepared:** 11/07/24 10:39				**Analyst:** dak
Aluminum, Total	ND	20	ug/l	1	11/11/24	
Antimony, Total	ND	0.50	ug/l	1	11/11/24	
Arsenic, Total	**0.72**	0.50	ug/l	1	11/11/24	
Barium, Total	**140**	1.0	ug/l	1	11/11/24	
Beryllium, Total	ND	0.10	ug/l	1	11/11/24	
Cadmium, Total	ND	0.50	ug/l	1	11/11/24	
Chromium, Total	ND	2.0	ug/l	1	11/11/24	
Copper, Total	**2.4**	1.0	ug/l	1	11/11/24	
Lead, Total	ND	0.20	ug/l	1	11/11/24	
Manganese, Total	**2.3**	1.0	ug/l	1	11/11/24	
Nickel, Total	**3.9**	2.0	ug/l	1	11/11/24	
Selenium, Total	**3.4**	0.50	ug/l	1	11/11/24	
Silver, Total	ND	0.20	ug/l	1	11/11/24	
Thallium, Total	ND	0.20	ug/l	1	11/11/24	
Zinc, Total	**12**	10	ug/l	1	11/11/24	
Method: EPA 245.1		**Instr:** HG03				
Batch ID: W4K0625 **Preparation:** EPA 245.1		**Prepared:** 11/08/24 09:01				**Analyst:** kjo
Mercury, Total	ND	0.050	ug/l	1	11/11/24	
Microbiological Parameters by Standard Methods						

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Sample Results

(Continued)

Sample: Well #2

Sampled: 11/04/24 0:00 by Client

4J31004-01 (Water)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Microbiological Parameters by Standard Methods (Continued)						
Method: SM 9215E		**Instr:** INC06				
Batch ID: W4K0388 **Preparation:** _NONE (MICROBIOLOGY)		**Prepared:** 11/05/24 11:40				**Analyst:** nfl
Heterotrophic Plate Count	**86**	2.0	MPN/mL	1	11/07/24	O-07
Method: SM 9223B		**Instr:** INC13				
Batch ID: W4K0392 **Preparation:** _NONE (MICROBIOLOGY)		**Prepared:** 11/05/24 11:31				**Analyst:** nfl
E. coli	ND	1.0	MPN/100mL	1	11/06/24	O-09
Total Coliform	ND	1.0	MPN/100mL	1	11/06/24	O-09
Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS						
Method: EPA 533		**Instr:** LCMS06				
Batch ID: W4K0507 **Preparation:** EPA 533/SPE		**Prepared:** 11/07/24 07:34				**Analyst:** ROM
11Cl-PF3OUdS	ND	1.8	ng/l	1	11/08/24	
4:2 FTS	ND	1.8	ng/l	1	11/08/24	
6:2 FTS	ND	1.8	ng/l	1	11/08/24	
8:2 FTS	ND	1.8	ng/l	1	11/08/24	
9Cl-PF3ONS	ND	1.8	ng/l	1	11/08/24	
ADONA	ND	1.8	ng/l	1	11/08/24	
HFPO-DA	ND	1.8	ng/l	1	11/08/24	
NFDHA	ND	1.8	ng/l	1	11/08/24	
PFBA	ND	1.8	ng/l	1	11/08/24	
PFBS	ND	1.8	ng/l	1	11/08/24	
PFDA	ND	1.8	ng/l	1	11/08/24	
PFDoA	ND	1.8	ng/l	1	11/08/24	
PFEESA	ND	1.8	ng/l	1	11/08/24	
PFHpA	ND	1.8	ng/l	1	11/08/24	
PFHpS	ND	1.8	ng/l	1	11/08/24	
PFHxA	ND	1.8	ng/l	1	11/08/24	
PFHxS	ND	1.8	ng/l	1	11/08/24	
PFMBA	ND	1.8	ng/l	1	11/08/24	
PFMPA	ND	1.8	ng/l	1	11/08/24	
PFNA	ND	1.8	ng/l	1	11/08/24	
PFOA	ND	1.8	ng/l	1	11/08/24	
PFOS	ND	1.8	ng/l	1	11/08/24	
PFPeA	ND	1.8	ng/l	1	11/08/24	
PFPeS	ND	1.8	ng/l	1	11/08/24	
PFUnA	ND	1.8	ng/l	1	11/08/24	
Surrogate(s)						
13C2-4:2 FTS	*112%*	*Conc: 40.5*	*50-200*		*11/08/24*	

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Sample Results

(Continued)

Sample: Well #2

Sampled: 11/04/24 0:00 by Client

4J31004-01 (Water)

(Continued)

Analyte	Result		MRL	Units	Dil	Analyzed	Qualifier
Per- and Polyflourinated Alkyl Substances (PFAS) by LC-MS/MS (Continued)							
Method: EPA 533			**Instr:** LCMS06				
Batch ID: W4K0507	**Preparation:** EPA 533/SPE		**Prepared:** 11/07/24 07:34			**Analyst:** ROM	
13C2-6:2 FTS	*116%*	*Conc: 42.0*	*50-200*			*11/08/24*	
13C2-8:2 FTS	*109%*	*Conc: 39.5*	*50-200*			*11/08/24*	
13C2-PFDoA	*95%*	*Conc: 8.55*	*50-200*			*11/08/24*	
13C3-PFBS	*106%*	*Conc: 9.59*	*50-200*			*11/08/24*	
13C3-PFHxS	*106%*	*Conc: 9.54*	*50-200*			*11/08/24*	
13C4-PFBA	*103%*	*Conc: 9.26*	*50-200*			*11/08/24*	
13C4-PFHpA	*93%*	*Conc: 8.35*	*50-200*			*11/08/24*	
13C5-PFHxA	*97%*	*Conc: 8.77*	*50-200*			*11/08/24*	
13C5-PFPeA	*105%*	*Conc: 9.48*	*50-200*			*11/08/24*	
13C6-PFDA	*90%*	*Conc: 8.15*	*50-200*			*11/08/24*	
13C7-PFUnA	*94%*	*Conc: 8.46*	*50-200*			*11/08/24*	
13C8-PFOA	*88%*	*Conc: 7.96*	*50-200*			*11/08/24*	
13C8-PFOS	*103%*	*Conc: 9.30*	*50-200*			*11/08/24*	
13C9-PFNA	*90%*	*Conc: 8.09*	*50-200*			*11/08/24*	
HFPO-DA-13C3	*91%*	*Conc: 8.19*	*50-200*			*11/08/24*	
Perchlorate - Low level by LC/MS/MS							
Method: EPA 331.0			**Instr:** LCMS04				
Batch ID: W4K1501	**Preparation:** _NONE (LC)		**Prepared:** 11/19/24 11:01			**Analyst:** ROM	
Perchlorate	ND		1.0	ug/l	1	11/22/24	
Radiological Parameters by APHA/EPA Methods							
Method: EPA 200.8			**Instr:** ICPMS04				
Batch ID: W4K0492	**Preparation:** EPA 200.2		**Prepared:** 11/07/24 10:39			**Analyst:** dak	
Uranium Rad	**0.78**		0.13	pCi/ L	1	11/11/24	
Method: SM 7110C			**Instr:** RAD01				
Batch ID: W4K1273	**Preparation:** _NONE (RADIOCHEM)		**Prepared:** 11/15/24 14:34			**Analyst:** psp	
Gross Alpha	**5.21**			pCi/L	1	11/21/24	
Counting Uncertainty: 0.423	**MDA:** 0.067						
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W4K0713	**Preparation:** EPA 525.2/SPE		**Prepared:** 11/11/24 07:00			**Analyst:** rmr	
Alachlor	ND		0.10	ug/l	1	11/12/24	
Atrazine	ND		0.10	ug/l	1	11/12/24	
Benzo (a) pyrene	ND		0.10	ug/l	1	11/12/24	
Bis(2-ethylhexyl)adipate	ND		5.0	ug/l	1	11/12/24	
Bis(2-ethylhexyl)phthalate	ND		3.0	ug/l	1	11/12/24	

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Sample Results

(Continued)

Sample: Well #2

Sampled: 11/04/24 0:00 by Client

4J31004-01 (Water)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W4K0713 **Preparation:** EPA 525.2/SPE		**Prepared:** 11/11/24 07:00			**Analyst:** rmr	
Bromacil	ND	0.50	ug/l	1	11/12/24	
Butachlor	ND	0.10	ug/l	1	11/12/24	
Captan	ND	1.0	ug/l	1	11/12/24	BS-03
Chlorpropham	ND	0.10	ug/l	1	11/12/24	
Diazinon	ND	0.10	ug/l	1	11/12/24	
Dimethoate	ND	0.20	ug/l	1	11/12/24	
Diphenamid	ND	0.10	ug/l	1	11/12/24	
Disulfoton	ND	0.20	ug/l	1	11/12/24	
EPTC	ND	0.10	ug/l	1	11/12/24	
Hexachlorocyclopentadiene	ND	1.0	ug/l	1	11/12/24	BS-03
Metolachlor	ND	0.10	ug/l	1	11/12/24	
Metribuzin	ND	0.10	ug/l	1	11/12/24	
Molinate	ND	0.10	ug/l	1	11/12/24	
Prometryn	ND	0.10	ug/l	1	11/12/24	
Simazine	ND	0.10	ug/l	1	11/12/24	
Terbacil	ND	2.0	ug/l	1	11/12/24	
Thiobencarb	ND	0.10	ug/l	1	11/12/24	
Trithion	ND	0.10	ug/l	1	11/12/24	
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*103%*	*Conc: 4.98*	*70-130*		*11/12/24*	
Perylene-d12	*108%*	*Conc: 5.22*	*50-120*		*11/12/24*	
Triphenyl phosphate	*101%*	*Conc: 4.84*	*70-130*		*11/12/24*	
Semivolatile Organics - Low Level by Tandem GC/MS/MS						
Method: EPA 1613B		**Instr:** GCMS22				
Batch ID: W4K0619 **Preparation:** EPA 3510C		**Prepared:** 11/08/24 07:44			**Analyst:** AJC	
2,3,7,8-TCDD (Dioxin)	ND	5.00	pg/l	1	12/03/24	
Volatile Organic Compounds by P&T and GC/MS						
Method: EPA 524.2		**Instr:** GCMS24				
Batch ID: W4K0808 **Preparation:** EPA 5030B		**Prepared:** 11/12/24 08:28			**Analyst:** JAN	
1,1,1-Trichloroethane	ND	0.50	ug/l	1	11/13/24	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	1	11/13/24	
1,1,2-Trichloroethane	ND	0.50	ug/l	1	11/13/24	
1,1-Dichloroethane	ND	0.50	ug/l	1	11/13/24	
1,1-Dichloroethene	ND	0.50	ug/l	1	11/13/24	
1,2,4-Trichlorobenzene	ND	0.50	ug/l	1	11/13/24	

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Sample Results

(Continued)

Sample: Well #2

Sampled: 11/04/24 0:00 by Client

4J31004-01 (Water)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)						
Method: EPA 524.2			**Instr:** GCMS24			
Batch ID: W4K0808 **Preparation:** EPA 5030B			**Prepared:** 11/12/24 08:28		**Analyst:** JAN	
1,2-Dichloroethane	ND	0.50	ug/l	1	11/13/24	
1,2-Dichloropropane	ND	0.50	ug/l	1	11/13/24	
1,3-Dichloropropene, Total	ND	0.50	ug/l	1	11/13/24	
Benzene	ND	0.50	ug/l	1	11/13/24	
Carbon tetrachloride	ND	0.50	ug/l	1	11/13/24	
Chlorobenzene	ND	0.50	ug/l	1	11/13/24	
cis-1,2-Dichloroethene	ND	0.50	ug/l	1	11/13/24	
Ethylbenzene	ND	0.50	ug/l	1	11/13/24	
Freon 113	ND	5.0	ug/l	1	11/13/24	
m,p-Xylene	ND	0.50	ug/l	1	11/13/24	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/l	1	11/13/24	
Methylene chloride	ND	0.50	ug/l	1	11/13/24	
o-Dichlorobenzene	ND	0.50	ug/l	1	11/13/24	
o-Xylene	ND	0.50	ug/l	1	11/13/24	
p-Dichlorobenzene	ND	0.50	ug/l	1	11/13/24	
Styrene	ND	0.50	ug/l	1	11/13/24	
Tetrachloroethene	ND	0.50	ug/l	1	11/13/24	
THMs, Total	ND	0.50	ug/l	1	11/13/24	
Toluene	ND	0.50	ug/l	1	11/13/24	
trans-1,2-Dichloroethene	ND	0.50	ug/l	1	11/13/24	
Trichloroethene	ND	0.50	ug/l	1	11/13/24	
Trichlorofluoromethane	ND	0.50	ug/l	1	11/13/24	
Vinyl chloride	ND	0.50	ug/l	1	11/13/24	
Xylenes, Total	ND	0.50	ug/l	1	11/13/24	
Surrogate(s)						
1,2-Dichlorobenzene-d4	*115%*	*Conc: 57.7*	*70-130*		*11/13/24*	
4-Bromofluorobenzene	*115%*	*Conc: 57.7*	*70-130*		*11/13/24*	
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3			**Instr:** GCMS04			
Batch ID: W4K0806 **Preparation:** Method (P+T)			**Prepared:** 11/12/24 08:24		**Analyst:** ADM	
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	11/12/24	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	11/12/24	
Surrogate(s)						
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.400*	*70-130*		*11/12/24*	
4-Bromofluorobenzene	*102%*	*Conc: 0.407*	*70-130*		*11/12/24*	

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Sample Results (Continued)

Sample: Well #2 — Sampled: 11/04/24 0:00 by Client

4J31004-01 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS (Continued)						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W4K0806	**Preparation:** Method (P+T)	**Prepared:** 11/12/24 08:24			**Analyst:** ADM	

Sample Results (Continued)

Sample: Well #2 — Sampled: 11/04/24 0:00 by Client

4J31004-01RE1 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM						
Method: SRL 524M-TCP		**Instr:** GCMS12				
Batch ID: W4K1322	**Preparation:** EPA 5030B	**Prepared:** 11/17/24 08:02			**Analyst:** JAN	
1,2,3-Trichloropropane	ND	0.0050	ug/l	1	11/17/24	

Sample Results GEL Laboratories, LLC

Sample: Well #2 — Sampled: 11/04/24 0:00 by Client

4J31004-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
EPA 903.1							
Method: EPA 903.1	**Batch ID:** 2707046		**Prepared:** 12/02/24 00:00			**Analyst:** MJ2	
Radium-226	**0.194**			pCi/L	1	12/02/24	U
Uncertainty: 0.159	**MDA:** 0.206						
EPA 904.0/ EPA 9320							
Method: EPA 904.0/ EPA 9320	**Batch ID:** 2705181		**Prepared:** 11/20/24 00:00			**Analyst:** KP1	
Radium-228	**0.393**			pCi/L	1	11/20/24	U
Uncertainty: 0.371	**MDA:** 0.598						
Surrogate(s)							
Barium Carrier	*78.1%*		*25-125*			*11/20/24*	
Yttrium Carrier	*82.2%*		*25-125*			*11/20/24*	

Sample Results LA Testing - EMSL Analytical, Inc. CA-ELAP #2283, Non-NELAP

Sample: Well #2 — Sampled: 11/04/24 0:00 by Client

4J31004-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
EPA 100.2							
Method: EPA 100.2	**Batch ID:** 322423908		**Prepared:** 11/06/24 13:25			**Analyst:** _SUB	
Asbestos	ND		0.20	MFL	1	11/17/24	
Fibers:	**Area:** 0.064	**Confidence:** 0.00-0.74					

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Notes and Definitions

Item	Definition
*	The recommended holding time for this analysis is only 15 minutes. The sample was analyzed as soon as it was possible but it was received and analyzed past holding time.
B-06	This analyte was found in the method blank, which was possibly contaminated during sample preparation. The batch was accepted since this analyte was either not detected or more than 10 times of the blank value for all the samples in the batch.
BS-03	The recovery of this analyte in the BS/LCS was outside the control limits. The sample result was accepted based on another acceptable BS/LCS and/or MS and MSD that meet BS criteria.
BS-04	The recovery of this analyte in LCS or LCSD was outside control limit. Sample was accepted based on the remaining LCS, LCSD or LCS-LL.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
O-07	Sample date and/or time not provided by client. Therefore, default date and/or time has been entered. The analysis may be outside of recommended holding time.
O-09	This sample was received with the EPA recommended holding time expired.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
R-02	The RPD was outside of QC acceptance limits due to possible matrix interference.
R-03	The RPD is not applicable for result below the reporting limit (either ND or J value).
U	Result not detected above the detection limit
%REC	Percent Recovery
Dil	Dilution
MDA	Minimum Detectable Activity
MRL	Method Reporting Limit (MRL) is the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	A result of ND for odor corresponds to No Odor Observed
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.
[CALC]	An automated calculation using unrounded values then rounding the final result (scientific rounding rules). Calculations do not contain direct qualifiers; please refer to the individual components of the calculation for any qualifiers

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

Total Anions consist of the following components Nitrate as N; Sulfate as SO4; Fluoride, Total; Chloride, Total; and Alkalinity as CaCO3

Total Cations consist of the following components Sodium, Total; Magnesium, Total; Potassium, Total; and Calcium, Total

Total Hardness as CaCO3 consist of the following components Magnesium, Total; and Calcium, Total

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