Advanced Environmental Concepts, Inc.

1751 Pulaski Hwy Havre De Grace, MD 21078 (410)939-5550

Quarter 3, 2022 Monitoring Well Sampling Report

Site Location:

Winfield BP
1631 West Liberty Road
Sykesville, MD

MDE Case # 2006-0466CL
Facility I.D. No. 6338

Prepared For:

Todd Staub
Tevis Oil Inc.
P.O. Box 26
Westminster, MD 21158

September 29, 2022

SIGNATURE SHEET

Prepared by:

Name: Greg Beal

Company: Advanced Environmental Concepts, Inc.

Address: 1751-1 Pulaski Hwy

City/State/Zip: Havre de Grace, Maryland 21078

Telephone: (410) 939-5550

Table of Contents

1.0 Introduction
This Monitoring Well Sampling Report has been prepared to satisfy the requirements set forth by the Maryland Department of the Environment (MDE) for the Winfield BP located at 1631 West Liberty Rd. Sykesville, MD; referred to herein as the “site”.

2.0 Groundwater Monitoring
Groundwater monitoring activities for the fourth quarter (Q3) of 2022 included the gauging and sampling of the complete monitoring well network and the sampling of the domestic supply water well.

2.1 Monitoring Well Gauging & Sampling
On 09/16/2022, AEC personnel arrived on site to gauge and sample site monitoring wells (MWs).

Prior to sampling, each well was gauged for presence/absence of LPH as well as depth to groundwater with an electronic oil/water interface meter. LPH was not detected in any of the site wells. After gauging, each well was purged a total of three well volumes of water. Purged groundwater was treated with activated carbon prior to being discharged to the ground. After purging, groundwater was allowed to recover to a minimum of 90% pre purge levels prior to sample collection. Groundwater samples were collected using pre-packaged, single use, disposable bailers and placed in laboratory supplied VOA’s and then placed in a cooler with ice and chain of custody record for delivery to the laboratory.

All groundwater samples were delivered on ice with a chain of custody record, trip blank and temperature blank to AECs laboratory to be analyzed by EPA Method 8260 for volatile organic compounds (VOCs).

2.2 Domestic Supply Well Sampling
On 09/16/2022, AEC personnel collected quarterly samples from the supply well servicing the store.

The domestic supply wells servicing the adjacent properties; 1709 West Liberty Rd and 1621 West Liberty Rd were sampled in Q4 of 2019.

All samples were collected by an MDE certified drinking water sampler and placed in a cooler with ice, chain of custody record, trip blank and temperature blank for delivery to AECs laboratory to be analyzed by EPA Method 524 for volatile organic compounds (VOCs).

3.0 Results of Groundwater Sampling

3.1 Groundwater Elevation & Flow Direction
Relative groundwater elevation, calculated using depth to groundwater measurements collected from the shallow monitoring wells during the 09/16/2022 sampling event, ranged from 54.86 feet in MW-2 (highest) to 51.07feet in MW-4 (lowest). Based on the survey data and the depth to groundwater measurements collected, the groundwater elevation contours for the shallow wells depict groundwater flow to be primarily to the west.

Relative groundwater elevation, calculated using depth to groundwater measurements collected from the deep monitoring wells during the 09/16/2022 sampling event, ranged from 55.30 feet in MW-6D (highest) to 51.19feet in MW-9D (lowest). Groundwater elevation contours for the deep wells depict groundwater flow to be to the west.

3.2 Monitoring Well Sampling Results

Method detectable concentrations of VOCs were observed in the groundwater samples collected on 09/16/2022 from the sites monitoring well network.
MTBE was identified in Site MW

- MW-5s(4.16ug/L)

A Quick Reference Historical Groundwater Sampling Summary Table which summarizes current and historical groundwater sampling analytical results can be found in Appendix B.

A full Report of Analysis and Chain of Custody Record can be found in Appendix C.

3.2.1 Concentration Statistical Trend Evaluation

Mann/Kendall data analysis using the GSI Mann-Kendall Toolkit was performed on MWs- Including MW-4, MW-5S, MW-8D and PW-1. The Trend analysis indicated that there was a declining trend of MTBE contamination for MW4; no trend for MWs 5S; Probably Decreasing Trend for 8D; and a decreasing trend for PW-1.

Mann/Kendall analysis trend analysis could not be performed for Benzene, Toluene, Ethylbenzene or Xylenes, due to insufficient detectable concentrations.

The Mann Kendall Analysis using the GSI Mann-Kendall Toolkit is provided in Appendix D.

3.3 Domestic Supply Well Sampling Results

3.3.1 Site Well

Method detectable concentrations of VOCs were not observed in the drinking water sample collected from the site's drinking water well during the Q3 of 2022 sampling event.

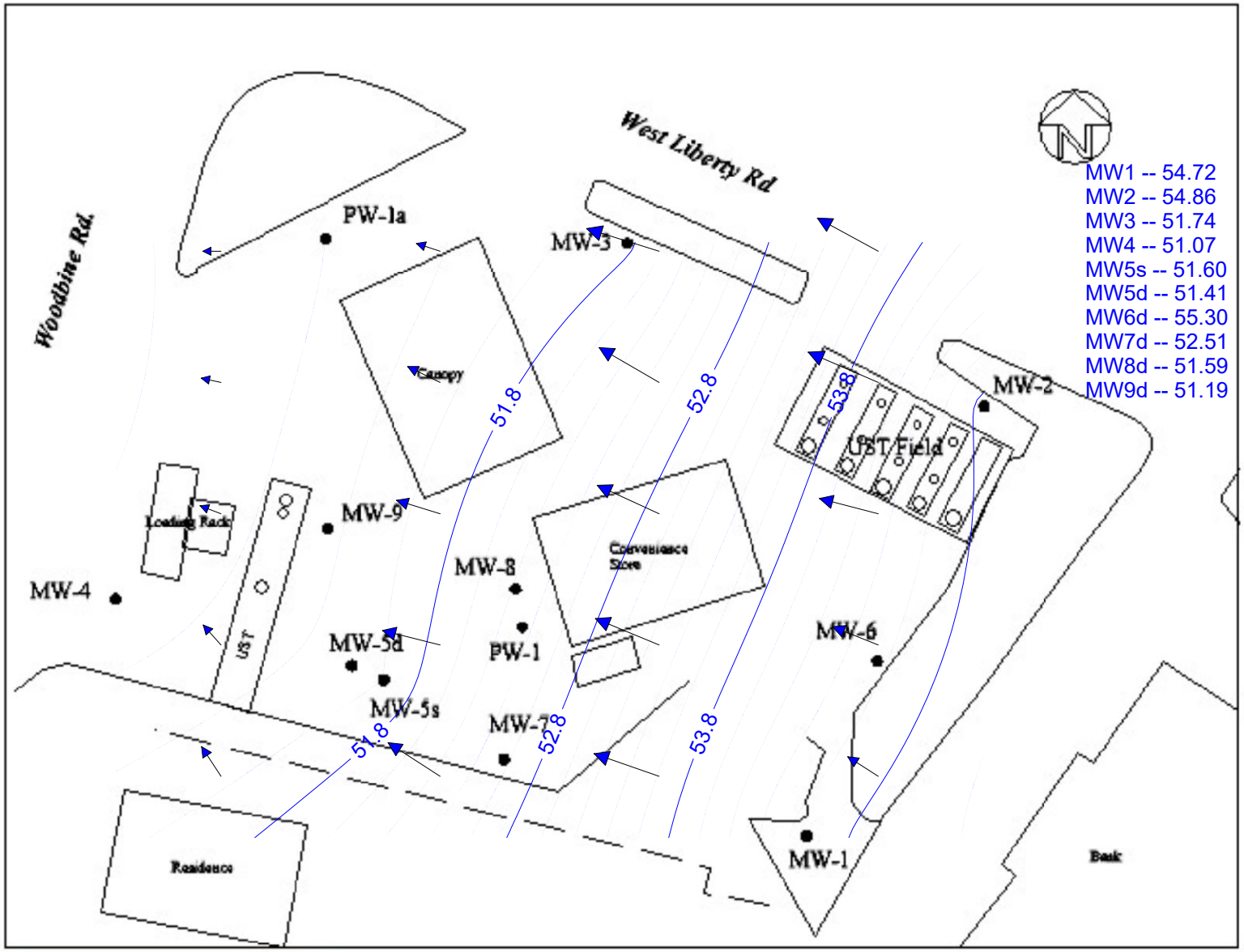
Method detectable concentrations of VOCs were not observed in the drinking water samples collected from the adjacent properties drinking water wells located at 1709 West Liberty Road (Little George's) and 1621 West Liberty Rd (PNC Bank) during the November of 2019 sampling event.

A table summarizing the results of the recent sampling as well as all historical sampling can be found in Appendix B.

4.0 Future Activities

AEC, Inc. will continue the sampling and analysis of site MW network on a quarterly basis. The next sampling event is scheduled for December of 2022.

Appendix A
Site Maps



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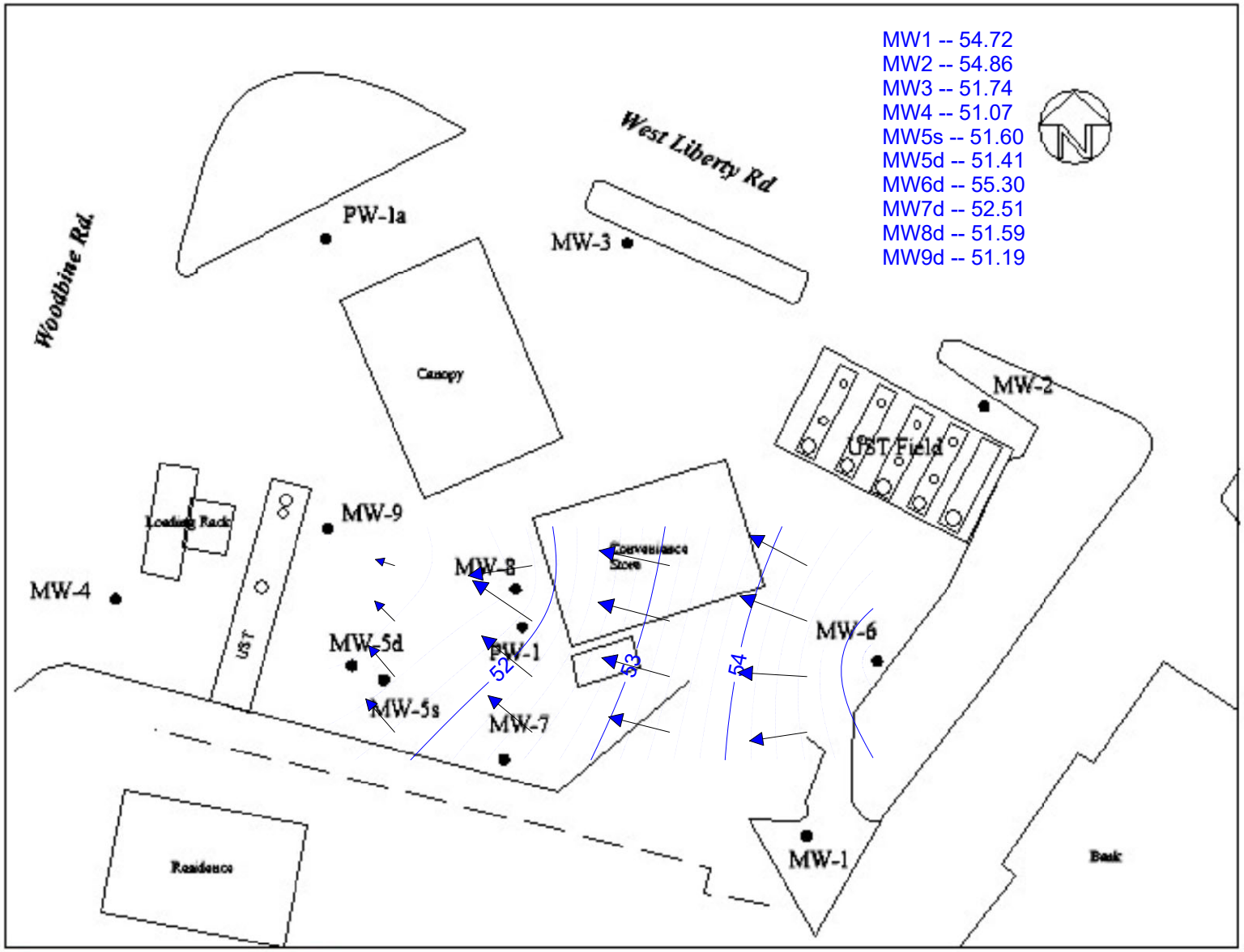
Tevis Winfield Project
1631 West Liberty Rd
Winfield, MD
September 2022

Tevis Winfield Project
Groundwater Elevation Drawing
Shallow Wells .2ft Contours

0 25 50



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Tevis Winfield Project
1631 West Liberty Rd
Winfield, MD
September 2022

Tevis Winfield Project
Groundwater Elevation Drawing
Deep Wells .2ft Contours

0 25 50

Appendix B
Groundwater Gauging & Analytical Tables

Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

ID	TOC	Date	Depth to Groundwater	Groundwater Elevation	BENZENE	TOLUENE	Ethyl-benzene	XYLENES	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
MW-1 TOS=unknown BOS=76.6	100.00														
		3/14/2014	39.91	60.09	--	--	--	--	--	--	--	--	--	--	--
		4/17/2014	39.75	60.25	--	--	--	--	--	--	--	--	--	--	--
		5/1/2014	38.51	61.49	< 1.00	< 1.00	< 1.00	< 1.00	4.99	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		7/8/2014	39.49	60.51	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/3/2014	43.30	56.70	< 1.00	< 1.00	< 1.00	< 1.00	4.55	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		1/29/2015	42.98	57.02	<1.00	< 1.00	< 1.00	< 1.00	10.8	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		2/9/2015	42.84	57.16	< 1.00	< 1.00	< 1.00	< 1.00	5.17	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		3/27/2015	42.02	57.98	< 1.00	< 1.00	< 1.00	< 1.00	5.48	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		4/28/2015	42.46	57.54	< 1.00	< 1.00	< 1.00	< 1.00	10.5	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		7/1/2015	42.30	57.70	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		8/13/2015	42.27	57.73	--	--	--	--	--	--	--	--	--	--	--
		9/2/2015	43.38	56.62	--	--	--	--	--	--	--	--	--	--	--
		10/8/2015	44.53	55.47	< 1.00	< 1.00	< 1.00	< 1.00	1.09	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/5/2016	45.78	54.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		1/16/2017	47.15	52.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		6/27/2017	44.31	55.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		9/27/2017	46.21	53.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		9/21/2018	36.63	63.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		12/31/2018	46.85	53.15	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		3/22/2019	37.05	62.95	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		6/20/2019	38.85	61.15	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		11/6/2019	43.24	56.76	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		4/8/2020	42.31	57.69	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		6/17/2020	42.40	57.60	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		9/21/20	44.09	55.91	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		12/9/2020	44.60	55.40	<1	<1	<1	<1	<1	<25	<1	<1	<1	<500	<100
		3/22/2021	41.83	58.17	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		6/14/2021	42.90	57.10	<1	<1	<1	<1	1.49	<25	<1	<1	<1	<40	<40
		9/21/2021	44.50	55.50	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		12/16/2021	44.83	55.17	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		7/12/2022	44.40	55.60	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		9/16/2022	45.28	54.72	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40

Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

ID	TOC	Date	Depth to Groundwater	Groundwater Elevation	BENZENE	TOLUENE	Ethyl-benzene	XYLENES	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
MW-2 TOS=unknown BOS=71.83	98.64														
		3/14/2014			--	--	--	--	--	--	--	--	--	--	--
		4/17/2014	36.92	61.72	--	--	--	--	--	--	--	--	--	--	--
		5/1/2014	36.86	61.78	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		7/8/2014	35.58	63.06	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/3/2014	36.73	61.91	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		1/29/2015	40.74	57.90	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		2/9/2015	40.40	58.24	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		3/27/2015	40.26	58.38	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		4/28/2015	39.28	59.36	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		7/1/2015	39.79	58.85	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		8/13/2015	38.47	60.17	Well covered										
		9/2/2015	--	--	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/8/2015	41.90	56.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		10/5/2016	43.20	55.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		1/16/2017	44.57	54.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		6/27/2017	41.60	57.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		9/27/2017	43.65	54.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		9/21/2018	33.65	64.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		12/31/2018	43.91	54.73	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		3/22/2019	34.34	64.30	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		6/20/2019	36.15	62.49	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		11/6/2019	40.55	58.09	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		4/8/2020	39.68	58.96	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		6/17/2020	39.68	58.96	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		09/20/20	40.37	58.27	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		12/09/20	41.95	56.69	<1	<1	<1	<1	<1	<25	<1	<1	<1	<500	<100
		03/21/21	39.42	59.22	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		06/14/21	40.21	58.43	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		09/21/21	41.88	56.76	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		12/16/2021	42.21	56.43	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		7/12/2022		MW Damaged and could not be sampled											
	98.15	9/16/2022	43.29	54.86	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40

Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

ID	TOC	Date	Depth to Groundwater	Groundwater Elevation	BENZENE	TOLUENE	Ethyl-benzene	XYLENES	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
MW-3 TOS=unknown BOS=71	99.03														
		3/14/2014	40.58	58.45	--	--	--	--	--	--	--	--	--	--	--
		4/17/2014	39.29	59.74	--	--	--	--	--	--	--	--	--	--	--
		5/1/2014	39.33	59.70	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		7/8/2014	40.05	58.98	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/3/2014	44.03	55.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		1/29/2015	44.69	54.34	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		2/9/2015	43.71	55.32	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		3/27/2015	42.89	56.14	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		4/28/2015	43.24	55.79	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		7/1/2015	42.04	56.99	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		8/13/2015	43.05	55.98	--	--	--	--	--	--	--	--	--	--	--
		9/2/2015	44.20	54.83	--	--	--	--	--	--	--	--	--	--	--
		10/8/2015	45.35	53.68	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/5/2016	46.63	52.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		1/16/2017	48.23	50.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		6/27/2017	45.16	53.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		9/27/2017	47.28	51.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
		9/21/2018	36.84	62.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		12/31/2018	48.11	50.92	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		3/22/2019	37.51	61.52	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		6/20/2019	39.37	59.66	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		11/6/2019	43.93	55.10	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		4/8/2020	43.11	55.92	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		6/17/2020	43.10	55.93	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		9/20/20	43.95	55.08	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		12/9/20	45.54	53.49	<1	<1	<1	<1	<1	<25	<1	<1	<1	<500	<100
		3/22/21	43.91	55.12	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		6/14/21	43.84	55.19	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		9/21/21	45.26	53.77	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		12/16/2021	44.68	54.35	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		7/12/2022	45.32	53.71	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		9/16/2022	47.29	51.74	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40

Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

ID	TOC	Date	Depth to Groundwater	Groundwater Elevation	BENZENE	TOLUENE	Ethyl-benzene	XYLENES	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**20**	**NG**	**NG**	**NG**	**NG**	**47**	**47**
MW-4 TOS=unknown BOS=84.18	100.23 100.25														
		3/4/2014	42.75	57.50	< 2.00	< 2.00	< 2.00	< 2.00	**416**	< 2.00	< 10.0	13.5	< 2.00	< 2.00	
		3/14/2014	60.08	40.17	3.10	< 2.00	< 2.00	< 2.00	**545**	< 2.00	19.8	24.9	< 2.00	< 2.00	
		4/7/2014	42.35	57.90	< 2.00	< 2.00	< 2.00	< 2.00	**504**	< 2.00	< 10.0	8.66 2e	< 2.00	< 2.00 2e	
		4/17/2014	61.92	38.33	< 2.00	< 2.00	< 2.00	< 2.00	**514**	< 2.00	11.6	12.4 2e	< 2.00	< 2.00 2e	
		5/2/2014	41.37	58.88	< 1.00	< 1.00	< 1.00	< 1.00	**168**	< 5.00	4.34	< 1.00 2d	< 1.00	--	--
		5/28/2014	40.09	60.16	< 1.00	< 1.00 2d	< 1.00 2d	< 1.00 2d	**140**	< 5.00	3.45	< 1.00 2d	< 1.00	--	--
		6/25/2014	41.24	59.01	< 1.00	< 1.00	< 1.00	< 1.00	**116**	< 5.00	3.41	< 1.00	< 1.00	--	--
		7/8/2014	41.94	58.31	< 1.00	< 1.00	< 1.00	< 1.00	0	< 5.00	<1.00	< 1.00	< 1.00	--	--
		8/5/2014	43.55	56.70	< 1.00	< 1.00	< 1.00	< 1.00	19.5	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		9/5/2014	44.74	55.51	< 1.00	< 1.00	< 1.00	< 1.00	**251**	< 5.00	8.31	< 1.00	< 1.00	--	--
		10/3/2014	45.88	54.37	< 1.00	< 1.00	< 1.00	< 1.00	**186**	5.98	7.49	< 1.00	< 1.00	--	--
		11/4/2014	45.35	54.90	< 1.00	< 1.00	< 1.00	< 1.00	61.9	< 5.00	1.56	< 1.00	< 1.00	--	--
		12/5/2014	47.11	53.14	< 1.00	< 1.00	< 1.00	< 1.00	**157**	< 5.00	4.42	< 1.00	< 1.00	--	--
		1/29/2015	46.89	53.36	< 1.00	< 1.00	< 1.00	< 1.00	**225**	< 5.00	5.48	< 1.00	< 1.00	--	--
		2/9/2015	46.82	53.43	< 1.00	< 1.00	< 1.00	< 1.00	**184**	< 5.00	4.62	< 1.00	< 1.00	--	--
		3/27/2015	45.04	55.21	< 1.00	< 1.00	< 1.00	< 1.00	**245**	< 5.00	6.83	< 1.00	< 1.00	--	--
		4/28/2015	45.25	55.00	< 1.00	< 1.00	< 1.00	< 1.00	0	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		5/29/2015	45.87	54.38	< 1.00	< 1.00	< 1.00	< 1.00	25	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		6/24/2015	44.75	55.50	1.53	< 1.00	< 1.00	< 1.00	**388**	6.50	14.2	< 1.00	< 1.00	--	--
		7/1/2015	44.15	56.10	1.73	< 1.00	< 1.00	< 1.00	**468**	5.97	17.9	< 1.00	< 1.00	--	--
		8/13/2015	44.99	55.26	< 1.00	< 1.00	< 1.00	< 1.00	**172**	< 5.00	4.91	< 1.00	< 1.00	--	--
		9/2/2015	46.13	54.12	< 1.00	< 1.00	< 1.00	< 1.00	**278**	6.56	8.13	< 1.00	< 1.00	--	--
		10/8/2015	47.42	52.83	< 1.00	< 1.00	< 1.00	< 1.00	**336**	15.9	8.09	< 1.00	< 1.00	--	--
		10/5/2016	48.58	51.67	ND	ND	ND	ND	17.6	ND	ND	ND	ND	ND	ND
		1/16/2017	50.09	50.16	ND	ND	ND	ND	**27.7**	ND	ND	ND	ND	ND	ND
		4/5/2017	49.75	50.50	ND	ND	ND	ND	**463**	ND	10.2	ND	ND		
		5/31/2017	46.53	53.72	ND	ND	ND	ND	**441**	ND	ND	ND	ND		
		6/27/2017	47.16	53.09	ND	ND	ND	ND	14.8	ND	ND	ND	ND	ND	ND
		8/24/2017	48.34	51.91	ND	ND	ND	ND	**554**	ND	15.10	ND	ND	--	--
		9/27/2017	49.2	51.05	ND	ND	ND	ND	**348**	ND	8.68	ND	ND	--	--
		9/21/2018	38.94	61.31	ND	ND	ND	ND	**833**	ND	15.60	ND	ND	ND	ND
		12/31/2018	50.01	50.24	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		3/22/2019	39.44	60.81	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		6/20/2019	41.16	59.09	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		11/6/2019	46.00	54.25	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		4/8/2020	45.05	55.20	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		6/17/2020	45.15	55.10	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		09/20/20	45.93	54.32	<5	<5	<5	<5	**5.45**	<50	<5	<5	<5	<500	<100
		12/09/20	47.55	52.70	<1	<1	<1	<1	<1	<25	<1	<1	<1	<500	<100
		03/22/21	45.33	54.92	<1	<1	<1	<1	**311**	<25	3.58	<1	<1	<40	**330**
		06/14/21	45.79	54.46	<1	<1	<1	<1	**21.1**	<25	<1	<1	<1	<40	<40
		09/21/21	47.32	52.93	<1	<1	<1	<1	9.23	<25	<1	<1	<1	<40	<40
		12/16/2021	47.69	52.56	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		7/12/2022	47.24	53.01	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		9/16/2022	49.18	51.07	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40

Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

ID	TOC	Date	Depth to Groundwater	Groundwater Elevation	BENZENE	TOLUENE	Ethyl-benzene	XYLENES	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**20**	**NG**	**NG**	**NG**	**NG**	**47**	**47**
MW-5S TOS = 10' BOS = 85'	100.67														
		03/19/14	43.36	57.31	< 1.00	< 1.00	< 1.00	< 1.00	123	< 5.00	5.42	< 1.00	< 1.00	--	--
		04/03/14	42.59	58.08	--	--	--	--	0	--	--	--	--	--	--
		04/17/14	42.41	58.26	--	--	--	--	0	--	--	--	--	--	--
		05/02/14	41.20	59.47	< 1.00	< 1.00	< 1.00	< 1.00	0	< 5.00	< 1.00	< 1.00 2d	< 1.00	--	--
		05/28/14	39.95	60.72	< 1.00	< 1.00 2d	< 1.00 2d	< 1.00 2d	**80.2**	< 5.00	4.14	< 1.00 2d	< 1.00	--	--
		06/25/14	41.07	59.60	1.27	< 1.00	< 1.00	< 1.00	**189**	< 5.00	8.02	< 1.00	< 1.00	--	--
		07/08/14	39.76	60.91	< 1.00	< 1.00	< 1.00	< 1.00	**30.5**	< 5.00	1.34	< 1.00	< 1.00	--	--
		08/05/14	43.31	57.36	3.50	< 1.00	< 1.00	< 1.00	**644**	27.5	34.0	< 1.00	< 1.00	--	--
		09/05/14	44.61	56.06	< 1.00	< 1.00	< 1.00	< 1.00	**30.5**	< 5.00	1.18	< 1.00	< 1.00	--	--
		10/03/14	45.73	54.94	12.4	< 1.00	< 1.00	< 1.00	**1,750**	97.3	**108**	< 1.00	< 1.00	--	--
		11/04/14	45.20	55.47	2.40	< 1.00	< 1.00	< 1.00	**1,200**	26.3	60.0	< 1.00	< 1.00	--	--
		12/05/14	46.99	53.68	1.71	< 1.00	< 1.00	< 1.00	**1,020**	21.7	46.3	< 1.00	< 1.00	--	--
		01/29/15	45.72	54.95	1.53	< 1.00	< 1.00	< 1.00	**550**	9.66	28.4	<1.00	< 1.00	--	--
		02/09/15	45.81	54.86	< 1.00	< 1.00	< 1.00	< 1.00	0	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		03/27/15	44.76	55.91	< 1.00	< 1.00	< 1.00	< 1.00	**177**	< 5.00	10.1	< 1.00	< 1.00	--	--
		04/28/15	45.02	55.65	< 1.00	< 1.00	< 1.00	< 1.00	0	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		05/29/15	45.59	55.08	< 1.00	< 1.00	< 1.00	< 1.00	6.58	< 5.00 2e	< 1.00	< 1.00	< 1.00	--	--
		06/24/15	44.53	56.14	< 1.00	< 1.00	< 1.00	< 1.00	**155**	< 5.00	8.10	< 1.00	< 1.00	--	--
		07/01/15	43.98	56.69	< 1.00	< 1.00	< 1.00	< 1.00	**48.5**	< 5.00	2.46	< 1.00	< 1.00	--	--
		8/13/2015	44.76	55.91	< 2.00	< 2.00	< 2.00	< 2.00	**53.6**	< 10.0	< 2.00	< 2.00	< 2.00	--	--
		09/02/15	45.91	54.76	3.04	< 1.00	< 1.00	< 1.00	**930**	25.9	40.1	< 1.00	< 1.00	--	--
		10/08/15	47.25	53.42	5.16	< 1.00	< 1.00	< 1.00	**1,200**	86.2	46.6	1.06	< 1.00	--	--
		10/5/2016	48.41	52.26	ND	ND	ND	ND	**641**	ND	19.8	ND	ND	ND	710
		1/16/2017	49.92	50.75	ND	ND	ND	ND	**1,035**	ND	75.2	ND	ND	ND	1270
		4/5/2017	49.87	50.80	ND	ND	ND	ND	**2,480**	190	ND	ND	ND		
		6/27/2017	47.05	53.62	ND	ND	ND	ND	**796**	ND	ND	ND	ND	ND	ND
		8/24/2017	48.23	52.44	ND	ND	ND	ND	**1,600**	ND	56.9	ND	ND	--	--
		9/27/2017	49.05	51.62	ND	ND	ND	ND	**2,560**	ND	103	ND	ND	--	--
		9/21/2018	38.86	61.81	ND	ND	ND	ND	0	ND	103	ND	ND	ND	ND
		12/31/2018	48.94	51.73	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		3/22/2019	39.23	61.44	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		6/20/2019	41.02	59.65	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		11/6/2019	45.80	54.87	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		4/8/2020	44.91	55.76	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		6/17/2020	45.00	55.67	<5	<5	<5	<5	**8.68**	<50	<5	<5	<5	<500	<100
		09/20/20	45.73	54.94	<5	<5	<5	<5	**24.7**	<50	<5	<5	<5	<500	<100
		12/09/20	47.40	53.27	<1	<1	<1	<1	9.27	<25	<1	<1	<1	<500	<100
		03/22/21	45.74	54.93	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		06/14/21	45.61	55.06	<1	<1	<1	<1	**70.9**	<25	3.49	<1	<1	<40	**78**
		09/21/21	47.20	53.47	<1	<1	<1	<1	7.75	<25	<1	<1	<1	<40	<40
		12/16/2021	46.53	54.14	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		7/12/2022	47.10	53.57	<1	<1	<1	<1	14.0	<25	<1	<1	<1	<40	<40
		9/16/2022	49.07	51.60	<1	<1	<1	<1	4.16	<25	<1	<1	<1	<40	<40

Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

ID	TOC	Date	Depth to Groundwater	Groundwater Elevation	BENZENE	TOLUENE	Ethyl-benzene	XYLENES	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**20**	**NG**	**NG**	**NG**	**NG**	**47**	**47**
MW-5D TOS=114' BOS=139'	100.87														
		03/19/14	44.05	56.82	< 1.00	< 1.00	< 1.00	< 1.00	1.02	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		04/03/14	43.07	57.80	--	--	--	--	--	--	--	--	--	--	--
		04/17/14	42.97	57.90	--	--	--	--	--	--	--	--	--	--	--
		05/02/14	39.93	60.94	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		05/28/14	40.44	60.43	< 1.00	< 1.00 2d	< 1.00 2d	< 1.00 2d	6.13	< 5.00	< 1.00	< 1.00 2d	< 1.00	--	--
		06/25/14	41.30	59.57	< 1.00	< 1.00	< 1.00	< 1.00	**127**	< 5.00	2.31	< 1.00	< 1.00	--	--
		07/08/14	42.32	58.55	< 1.00	< 1.00	< 1.00	< 1.00	5.6	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		08/05/14	43.85	57.02	< 1.00	< 1.00	< 1.00	< 1.00	3.40	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		09/05/14	44.98	55.89	< 1.00	< 1.00	< 1.00	< 1.00	3.03	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/03/14	46.28	54.59	< 1.00	< 1.00	< 1.00	< 1.00	1.61	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		11/04/14	45.79	55.08	< 1.00	< 1.00	< 1.00	< 1.00	4.65	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		12/05/14	47.48	53.39	< 1.00	< 1.00	< 1.00	< 1.00	38.6	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		01/29/15	45.61	55.26	1.60	< 1.00	< 1.00	< 1.00	**724**	9.20	38.6	< 1.00	< 1.00	--	--
		02/09/15	45.64	55.23	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		03/27/15	44.69	56.18	< 1.00	< 1.00	< 1.00	< 1.00	**165**	< 5.00	8.91	< 1.00	< 1.00	--	--
		04/28/15	45.61	55.26	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		05/29/15	46.20	54.67	< 1.00	< 1.00	< 1.00	< 1.00	1.25	< 5.00 2e	< 1.00	< 1.00	< 1.00	--	--
		06/24/15	45.06	55.81	< 1.00	< 1.00	< 1.00	< 1.00	2.42	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/01/15	44.54	56.33	< 1.00	< 1.00	< 1.00	< 1.00	3.82	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		08/13/15	44.32	56.55	< 1.00	< 1.00	< 1.00	< 1.00	3.08	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		09/02/15	46.50	54.37	< 1.00	< 1.00	< 1.00	< 1.00	2.24	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/08/15	47.82	53.05	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/5/2016	48.91	51.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		1/16/2017	50.38	50.49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		5/31/2017	47.23	53.64	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		6/27/2017	47.58	53.29	ND	ND	ND	ND	5.62	ND	ND	ND	ND	ND	ND
		9/27/2017	49.66	51.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
		9/21/2018	39.28	61.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		12/31/2018	49.90	50.97	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		3/22/2019	39.82	61.05	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS
		6/20/2019	41.47	59.40	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS
		11/6/2019	46.34	54.53	<5	<5	<5	<5	<5	<5	<5	<5	<5	<500	<100
		4/8/2020	45.45	55.42	<5	<5	<5	<5	<5	<5	<5	<5	<5	<500	<100
		6/17/2020	45.55	55.32	<5	<5	<5	<5	<5	<5	<5	<5	<5	<500	<100
		09/20/20	46.24	54.63	<5	<5	<5	<5	<5	<5	<5	<5	<5	<500	<100
		12/09/20	47.92	52.95	<1	<1	<1	<1	<1	<25	<1	<1	<1	<500	<100
		03/22/21	45.87	55.00	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		06/14/21	46.16	54.71	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		09/21/21	47.74	53.13	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		12/16/2021	48.12	52.75	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		7/12/2022	47.66	53.21	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		9/16/2022	49.46	51.41	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40

Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

ID	TOC	Date	Depth to Groundwater	Groundwater Elevation	BENZENE	TOLUENE	Ethyl-benzene	XYLENES	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**20**	**NG**	**NG**	**NG**	**NG**	**47**	**47**
MW-6D TOS=116.5 BOS=136.5	100.55														
		04/17/14	38.40	62.15	--	--	--	--	--	--	--	--	--	--	--
		05/02/14	37.45	63.10	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/08/14	38.42	62.13	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/03/14	42.41	58.14	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		01/29/15	42.06	58.49	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		02/09/15	41.99	58.56	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		03/27/15	41.00	59.55	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		04/28/15	41.50	59.05	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/01/15	41.50	59.05	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		08/13/15	41.29	59.26	--	--	--	--	--	--	--	--	--	--	--
		09/02/15	43.11	57.44	--	--	--	--	--	--	--	--	--	--	--
		10/08/15	43.50	57.05	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/5/2016	44.82	55.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		1/16/2017	46.18	54.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		6/27/2017	43.26	57.29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		9/27/2017	45.40	55.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
		9/21/2018	35.32	65.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		12/31/2018	46.02	54.53	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		3/22/2019	36.04	64.51	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		6/20/2019	37.88	62.67	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		11/6/2019	42.22	58.33	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		4/8/2020	41.40	59.15	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		6/17/2020	41.38	59.17	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		09/20/20	42.05	58.50	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		12/09/20	43.71	56.84	<1	<1	<1	<1	<1	<25	<1	<1	<1	<500	<100
		03/22/21	42.25	58.30	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		06/14/21	41.95	58.60	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		09/21/21	43.59	56.96	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		12/16/2021	43.94	56.61	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		7/12/2022	43.53	57.02	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		9/16/2022	45.25	55.30	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40

Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

ID	TOC	Date	Depth to Groundwater	Groundwater Elevation	BENZENE	TOLUENE	Ethyl-benzene	XYLENES	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					**5**	**1,000**	**700**	**10,000**	**20**	**NG**	**NG**	**NG**	**NG**	**47**	**47**
MW-7D TOS=118' BOS=138'	101.31														
		03/19/14	44.02	57.29	< 1.00	< 1.00	< 1.00	< 1.00	37.90	< 5.00	2.34	< 1.00	< 1.00	--	--
		04/03/14	43.10	58.21	--	--	--	--	0.00	--	--	--	--	--	--
		04/17/14	42.91	58.40	--	--	--	--	0.00	--	--	--	--	--	--
		05/02/14	41.76	59.55	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		05/28/14	40.59	60.72	< 1.00	< 1.00	< 1.00	< 1.00	3.39	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		06/25/14	41.80	59.51	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/08/14	43.46	57.85	< 1.00	< 1.00	< 1.00	< 1.00	5.24	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		08/05/14	43.90	57.41	< 1.00	< 1.00	< 1.00	< 1.00	4.13	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		09/05/14	45.18	56.13	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/03/14	45.56	55.75	< 1.00	< 1.00	< 1.00	< 1.00	6.32	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		11/04/14	45.08	56.23	< 1.00	< 1.00	< 1.00	< 1.00	115	< 5.00	5.69	< 1.00	< 1.00	--	--
		12/05/14	47.60	53.71	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		01/29/15	46.32	54.99	18.9	< 1.00	< 1.00	< 1.00	1610	50.1	122	1.72	< 1.00	--	--
		02/09/15	46.08	55.23	< 1.00	< 1.00	< 1.00	< 1.00	1.72	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		03/27/15	45.49	55.82	< 1.00	< 1.00	< 1.00	< 1.00	33.20	< 5.00	1.79	< 1.00	< 1.00	--	--
		04/28/15	45.78	55.53	< 1.00	< 1.00	< 1.00	< 1.00	51.50	< 5.00	3.70	< 1.00	< 1.00	--	--
		05/29/15	46.32	54.99	< 1.00	< 1.00	< 1.00	< 1.00	77.50	< 5.00	5.23	< 1.00	< 1.00	--	--
		06/24/15	45.17	56.14	< 1.00	< 1.00	< 1.00	< 1.00	219	< 5.00	16.6	< 1.00	< 1.00	--	--
		07/01/15	44.65	56.66	< 1.00	< 1.00	< 1.00	< 1.00	610	7.81	47.1	< 1.00	< 1.00	--	--
		8/13/2015	45.47	55.84	< 1.00	< 1.00	< 1.00	< 1.00	578	6.48	32.3	< 1.00	< 1.00	--	--
		09/02/15	46.62	54.69	< 1.00	< 1.00	< 1.00	< 1.00	380	5.58	11.9	< 1.00	< 1.00	--	--
		10/08/15	48.92	52.39	< 1.00	< 1.00	< 1.00	< 1.00	170	11.0	10.2	< 1.00	< 1.00	--	--
		10/5/2016	49.10	52.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		1/16/2017	50.64	50.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		6/27/2017	47.82	53.49	ND	ND	ND	ND	**130**	ND	6.09	ND	ND	ND	**210**
		9/27/2017	50.21	51.10	ND	ND	ND	ND	**208**	ND	13.9	ND	ND	--	--
		9/21/2018	39.43	61.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		12/31/2018	50.26	51.05	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		3/22/2019	39.97	61.34	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		6/20/2019													
		11/6/2019	46.44	54.87	<5	<5	<5	<5	**47.4**	<50	<5	<5	<5	<500	<100
		4/8/2020	45.57	55.74	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		6/17/2020	45.65	55.66	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		09/20/20	46.40	54.91	<5	<5	<5	<5	**221**	104	<5	<5	<5	<500	<100
		12/09/20	48.04	53.27	<1	<1	<1	<1	<1	<25	<1	<1	<1	<500	<100
		03/21/21	46.13	55.18	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		06/14/21	46.31	55.00	<1	<1	<1	<1	1.51	<25	<1	<1	<1	<40	<40
		9/21/2021	47.84	53.47	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		12/16/2021	48.18	53.13	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		7/12/2022	48.80	52.51	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		9/16/2022	48.80	52.51	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40

Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

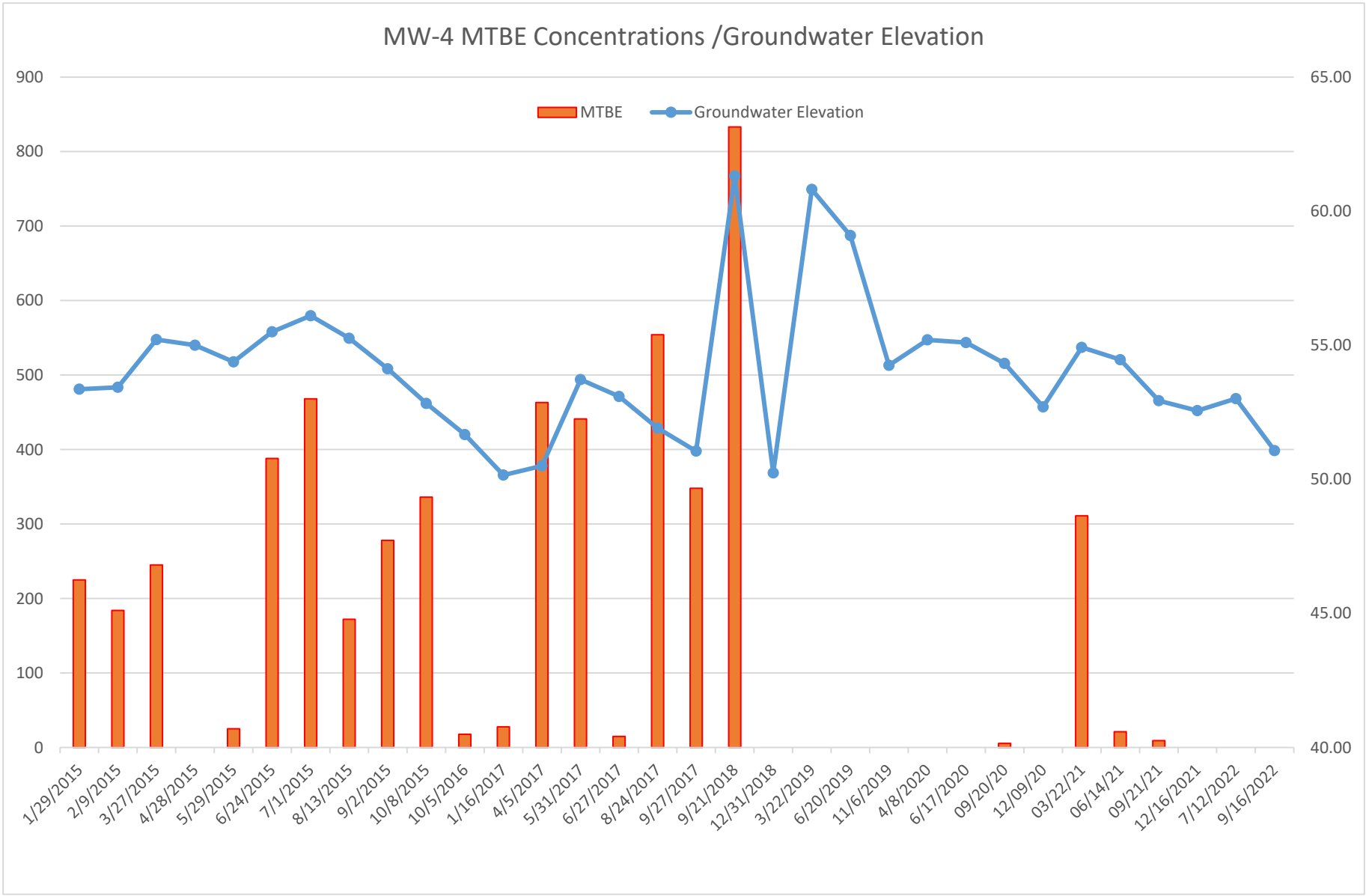
ID	TOC	Date	Depth to Groundwater	Groundwater Elevation	BENZENE	TOLUENE	Ethyl-benzene	XYLENES	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20.00	NG	NG	NG	NG	47	47
MW-8D TOS=114' BOS=134'	101.37														
		3/19/2014	43.88	57.49	< 1.00	< 1.00	< 1.00	< 1.00	3.78	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		4/3/2014	42.97	58.40	--	--	--	--	--	--	--	--	--	--	--
		4/17/2014	42.74	58.63	--	--	--	--	--	--	--	--	--	--	--
		5/2/2014	41.67	59.70	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		5/28/2014	40.51	60.86	< 1.00	< 1.00	< 1.00	< 1.00	30.40	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		6/25/2014	41.71	59.66	< 1.00	< 1.00	< 1.00	< 1.00	549.00	< 5.00	36.1	< 1.00	< 1.00	--	--
		7/8/2014	42.39	58.98	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		8/5/2014	43.95	57.42	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/3/2014	46.43	54.94	< 1.00	< 1.00	< 1.00	< 1.00	963	13.50	96.2	< 1.00	< 1.00	--	--
		1/29/2015	46.79	54.58	6.23	< 1.00	< 1.00	< 1.00	1450	38.80	113.0	1.57	< 1.00	--	--
		2/9/2015	45.99	55.38	6.41	< 1.00	< 1.00	< 1.00	1340	36.50	89.6	1.46	< 1.00	--	--
		3/27/2015	45.28	56.09	1.86	< 1.00	< 1.00	< 1.00	1380	36.60	119.0	< 1.00	< 1.00	--	--
		4/28/2015	45.62	55.75	1.56	< 1.00	< 1.00	< 1.00	1260	36.80	103.0	1.17	< 1.00	--	--
		7/2/2015	44.51	56.86	< 1.00	< 1.00	< 1.00	< 1.00	796	26.30	77.5	< 1.00	< 1.00	--	--
		8/13/2015	45.39	55.98	< 1.00	< 1.00	< 1.00	< 1.00	1010	12.70	77.5	< 1.00	< 1.00	--	--
		9/2/2015	46.53	54.84	1.54	< 1.00	< 1.00	< 1.00	590	36.80	83.1	< 1.00	< 1.00	--	--
		10/8/2015	47.74	53.63	2.44	< 1.00	< 1.00	< 1.00	1200	63.90	56.8	< 1.00	< 1.00	--	--
		10/5/2016	48.95	52.42	ND	ND	ND	ND	1200	100.00	72.2	ND	ND	ND	1,375
		1/16/2017	50.48	50.89	ND	ND	ND	ND	**356**	ND	ND	ND	ND	ND	ND
		4/5/2017	50.09	51.28	ND	ND	ND	ND	**920**	ND	58.7	ND	ND		
		5/31/2017	47.10	54.27	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		6/27/2017	47.53	53.84	ND	ND	ND	ND	**772**	ND	61.5	ND	ND	ND	920
		8/24/2017	48.72	52.65	ND	38.6	ND	24.36	**243**	ND	16.2	ND	ND	--	--
		9/27/2017	49.63	51.74	5.94	6.57	ND	ND	**534**	ND	40.1	ND	ND	--	--
		9/21/2018	39.37	62.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		12/31/2018	50.21	51.16	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		3/22/2019	39.95	61.42	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		6/20/2019	41.73	59.64	<5	<5	<5	<5	**29.40**	<50	<5	<5	<5	NS	NS
		11/6/2019	46.39	54.98	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		4/8/2020	51.90	49.47	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		6/17/2020	45.66	55.71	<5	<5	<5	<5	**37.90**	<50	<5	<5	<5	<500	<100
		9/20/2020	46.34	55.03	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		12/9/2020	47.94	53.43	<1	<1	<1	<1	**164**	<25	11.3	<1	<1	<500	<100
		3/22/2021	45.27	56.10	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		6/14/2021	46.19	55.18	<1	<1	<1	<1	**298**	<25	18.7	<1	<1	<40	**330**
		9/21/2021	47.75	53.62	<1	<1	<1	<1	**262**	<25	18.5	<1	<1	<40	**290**
		12/16/2021	48.10	53.27	<1	<1	<1	<1	**171**	<25	9.6	<1	<1	<40	**190**
		7/12/2022	47.69	53.68	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		9/16/2022	49.78	51.59	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40

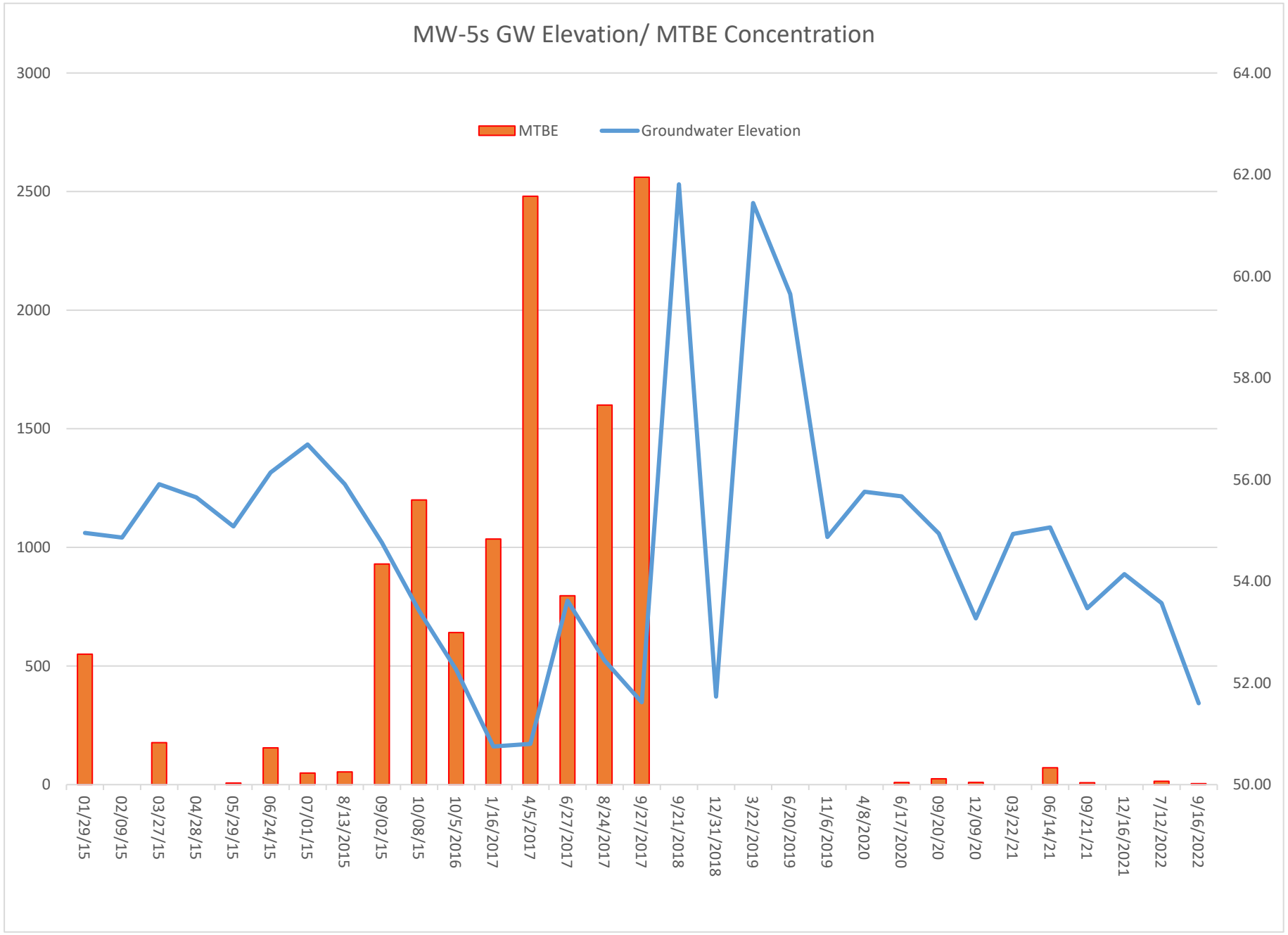
Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

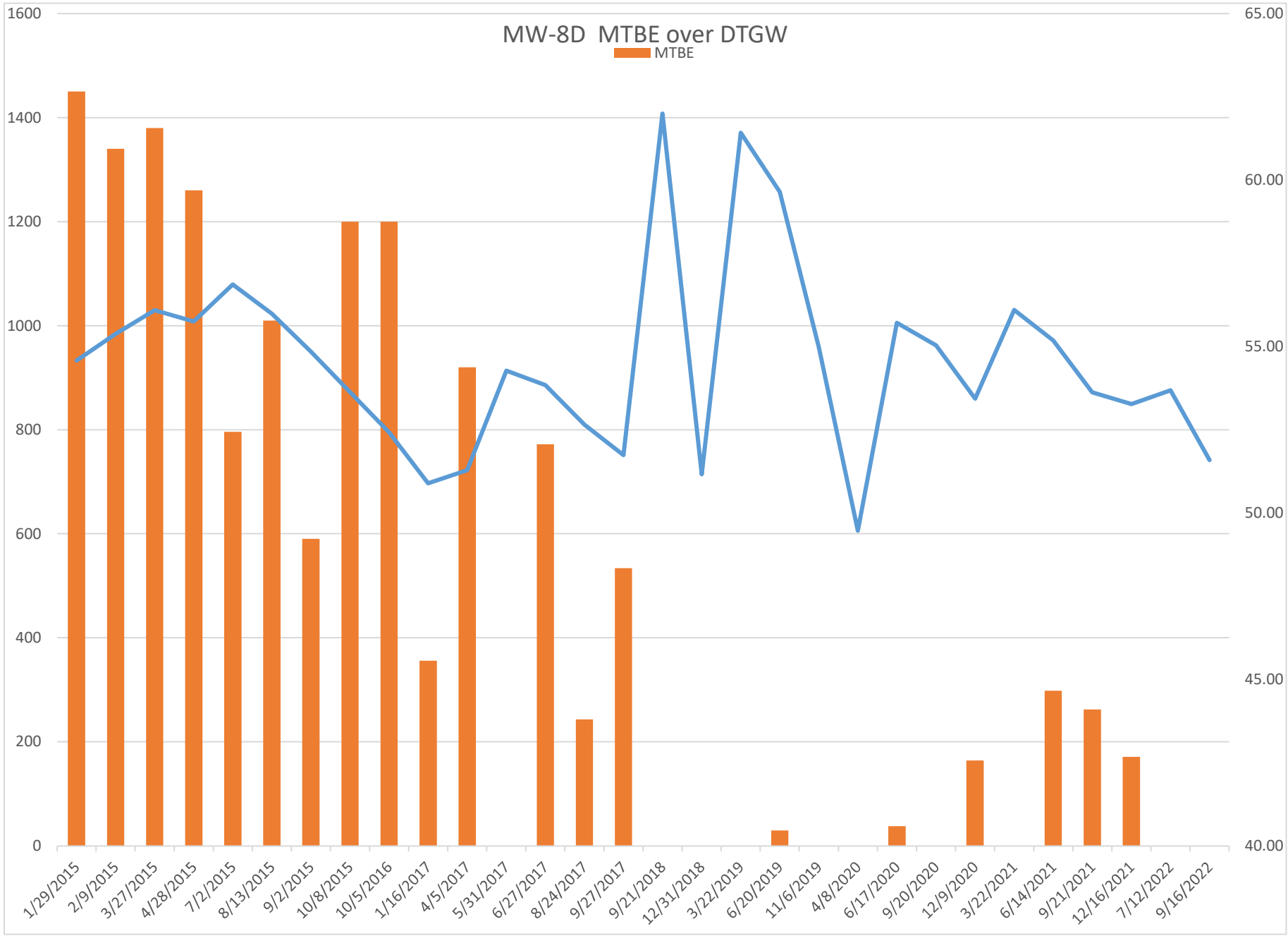
ID	TOC	Date	Depth to Groundwater	Groundwater Elevation	BENZENE	TOLUENE	Ethyl-benzene	XYLENES	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II					**5**	**1,000**	**700**	**10,000**	**20**	**NG**	**NG**	**NG**	**NG**	**47**	**47**
MW-9D TOS=119' BOS=139'	100.57														
		04/03/14	42.67	57.90	--	--	--	--	--	--	--	--	--	--	--
		04/17/14	42.31	58.26	--	--	--	--	--	--	--	--	--	--	--
		05/02/14	40.80	59.77	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		07/08/14	42.07	58.50	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/03/14	46.07	54.50	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		01/29/15	45.12	55.45	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		02/09/15	45.08	55.49	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		03/27/15	44.21	56.36	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	<1.00	< 1.00	--	--
		04/28/15	45.38	55.19	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	<1.00	< 1.00	--	--
		07/01/15	44.13	56.44	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		08/13/15	45.01	55.56	--	--	--	--	--	--	--	--	--	--	--
		09/02/15	46.02	54.55	--	--	--	--	--	--	--	--	--	--	--
		10/08/15	47.42	53.15	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		10/5/2016	48.68	51.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		1/16/2017	50.20	50.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		6/27/2017	47.26	53.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		9/27/2017	49.31	51.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
		9/21/2018	38.94	61.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		12/31/2018	49.95	50.62	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		3/22/2019	39.67	60.90	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		6/20/2019	41.39	59.18	<5	<5	<5	<5	<5	<50	<5	<5	<5	NS	NS
		11/6/2019	45.69	54.88	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		4/8/2020	45.14	55.43	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		6/17/2020	45.19	55.38	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		09/20/20	46.01	54.56	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		12/09/20	47.60	52.97	<1	<1	<1	<1	<1	<25	<1	<1	<1	<500	<100
		03/22/21	45.96	54.61	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		06/14/21	45.91	54.66	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		09/21/21	47.37	53.20	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		12/16/2021	47.77	52.80	<1	1.5	<1	<1	8.84	<25	<1	<1	<1	<40	<40
		7/12/2022	47.38	53.19	<1	1.5	<1	<1	14.1	<25	<1	<1	<1	<40	<40
		9/16/2022	49.38	51.19	<1	1.5	<1	<1	<1	<25	<1	<1	<1	<40	<40

Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

ID	TOC	Date	Depth to Groundwater	Groundwater Elevation	BENZENE	TOLUENE	Ethyl-benzene	XYLENES	MTBE	TBA	TAME	DIPE	ETBE	TPH-DRO	TPH-GRO
MDE GNCS, Type I and II Aquifers					5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
PW-1 6" steel casing to 68' 4"TOS=13' 4" BOS=73' 4" TOS=83' 4" BOS-113' 6" open	101.19														
		01/24/14	45.92	55.27	1.24	< 1.00	< 1.00	< 1.00	**153**	< 5.00	**12.4**	< 1.00	< 1.00	--	--
		05/01/14	41.96	59.23	< 1.00	< 1.00	< 1.00	< 1.00	**32.8**	< 5.00	2.06	< 1.00 2d	< 1.00	--	--
		07/08/14	41.69	59.50	< 1.00	< 1.00	< 1.00	< 1.00	**59.30**	< 5.00	2.32	< 1.00	< 1.00	--	--
		09/05/14	44.27	56.92	4.69	< 1.00	< 1.00	< 1.00	**993**	9.67	84.4	< 1.00	< 1.00	--	--
		10/03/14	45.56	55.63	< 1.00	< 1.00	< 1.00	< 1.00	**21**	< 5.00	< 1.00	< 1.00	< 1.00	--	--
		11/04/14	46.19	55.00	9.36	< 1.00	< 1.00	< 1.00	**1,160**	50.9	100	1.11	< 1.00	--	--
		12/05/14	46.48	54.71	16.4	< 1.00	< 1.00	< 1.00	**1,330**	75.9	116	1.06	< 1.00	--	--
		1/29/2015	45.80	55.39	19.0	< 1.00	< 1.00	< 1.00	**1,660**	54.3	120	1.73	< 1.00	--	--
		2/9/2015	44.97	56.22	17.7	< 1.00	< 1.00	< 1.00	**1,520**	59.4	112	< 1.00	< 1.00	--	--
		3/27/2015	44.25	56.94	10.6	< 1.00	< 1.00	< 1.00	**1,560**	83.2	116	1.55	< 1.00	--	--
		4/28/2015	44.11	57.08	< 1.00	< 1.00	< 1.00	< 1.00	**992**	18.5	83.1	< 1.00	< 1.00	--	--
		5/29/2015	45.18	56.01	< 1.00	< 1.00	< 1.00	< 1.00	**944**	143 2e	71.7	< 1.00	< 1.00	--	--
		6/24/2015	45.08	56.11	1.43	< 1.00	< 1.00	< 1.00	**682**	20.8	60.7	< 1.00	< 1.00	--	--
		7/2/2015	43.17	58.02	6.49	< 1.00	< 1.00	< 1.00	**1,130**	44.8	112	1.13	< 1.00	--	--
		10/21/2015	47.89	53.30	2.36	< 1.00	< 1.00	< 1.00	**1,340**	88.0	102	1.13	< 1.00	--	--
		10/5/2016	47.87	53.32	ND	ND	ND	ND	**136**	ND	5.31	ND	ND	ND	145
		1/16/2017	49.46	51.73	ND	ND	ND	ND	ND	ND	5.31	ND	ND	ND	ND
		4/5/2017	48.99	52.20	ND	ND	ND	ND	**2,280**	190	178	ND	ND		
		5/31/2017	47.70	53.49	ND	22.6	ND	41.8	**899**	ND	57.4	ND	ND	--	--
		6/27/2017	46.57	54.62	ND	ND	ND	ND	**967**	ND	166	ND	ND	ND	**1,430**
		8/24/2017	47.83	53.36	ND	ND	ND	ND	**61.70**	ND	ND	ND	ND	--	--
		9/27/2017	48.33	52.86	ND	ND	ND	ND	**1,550**	ND	112	ND	ND	--	--
		9/21/18	NA		Damaged	Well Head	Man Way	Not	Sampled						
		12/31/18	NA		Damaged	Well Head	Man Way	Not	Sampled						
		3/22/2019	NA		<5	<5	<5	<5	12.7	<50	<5	<5	<5	NS	NS
		6/20/2019	40.86	60.33	<5	<5	<5	<5	7.60	<50	<5	<5	<5	NS	NS
		11/6/2019	45.37	55.82	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		4/8/2020	44.48	56.71	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		6/17/2020	44.55	56.64	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		09/20/20	45.38	55.81	<5	<5	<5	<5	<5	<50	<5	<5	<5	<500	<100
		12/09/20	46.88	54.31	<1	<1	<1	<1	<1	<25	<1	<1	<1	<500	<100
		03/22/21	45.17	56.02	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		06/14/21	45.11	56.08	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		09/21/21	46.70	54.49	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		12/16/2021	47.02	54.17	<1	1.5	<1	<1	60.2	<25	4.59	<1	<1	<40	66
		7/12/2022	47.02	54.17	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40
		9/16/2022	48.34	52.85	<1	<1	<1	<1	<1	<25	<1	<1	<1	<40	<40

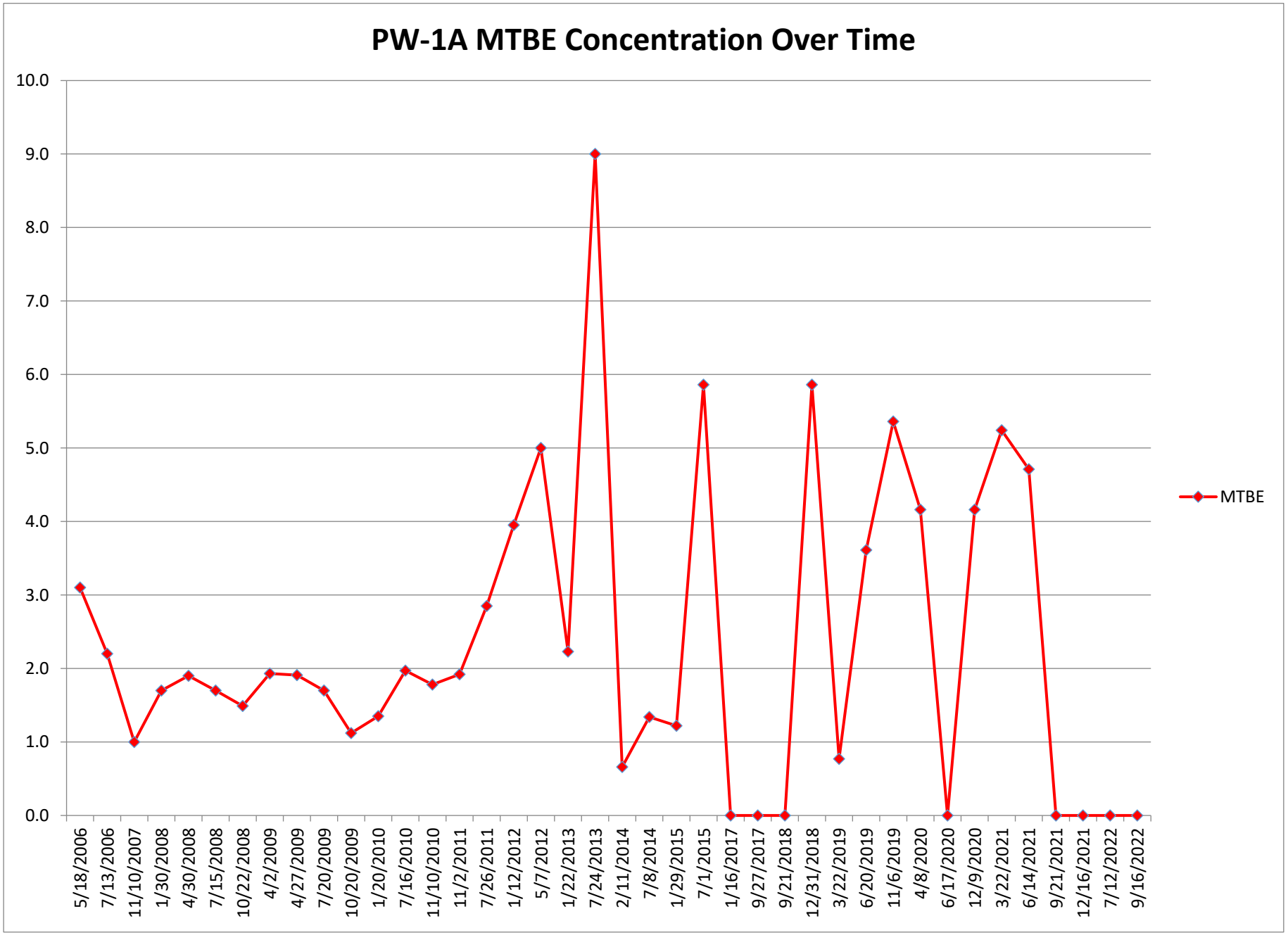

MW-4 MTBE Concentrations /Groundwater Elevation
MTBE
Groundwater Elevation
900
800
700
600
500
400
300
200
100
0
65.00
60.00
55.00
50.00
45.00
40.00
1/29/2015
2/9/2015
3/27/2015
4/28/2015
5/29/2015
6/24/2015
7/1/2015
8/13/2015
9/2/2015
10/8/2015
10/5/2016
1/16/2017
4/5/2017
5/31/2017
6/27/2017
8/24/2017
9/27/2017
9/21/2018
12/31/2018
3/22/2019
6/20/2019
11/6/2019
4/8/2020
6/17/2020
09/20/20
12/09/20
03/22/21
06/14/21
09/21/21
12/16/2021
7/12/2022
9/16/2022


MW-5s GW Elevation/ MTBE Concentration
MTBE
Groundwater Elevation
3000
2500
2000
1500
1000
500
0
64.00
62.00
60.00
58.00
56.00
54.00
52.00
50.00
01/29/15
02/09/15
03/27/15
04/28/15
05/29/15
06/24/15
07/01/15
8/13/2015
09/02/15
10/08/15
10/5/2016
1/16/2017
4/5/2017
6/27/2017
8/24/2017
9/27/2017
9/21/2018
12/31/2018
3/22/2019
6/20/2019
11/6/2019
4/8/2020
6/17/2020
09/20/20
12/09/20
03/22/21
06/14/21
09/21/21
12/16/2021
7/12/2022
9/16/2022


MW-8D MTBE over DTGW
MTBE
1600
1400
1200
1000
800
600
400
200
0
65.00
60.00
55.00
50.00
45.00
40.00
1/29/2015
2/9/2015
3/27/2015
4/28/2015
7/2/2015
8/13/2015
9/2/2015
10/8/2015
10/5/2016
1/16/2017
4/5/2017
5/31/2017
6/27/2017
8/24/2017
9/27/2017
9/21/2018
12/31/2018
3/22/2019
6/20/2019
11/6/2019
4/8/2020
6/17/2020
9/20/2020
12/9/2020
3/22/2021
6/14/2021
9/21/2021
12/16/2021
7/12/2022
9/16/2022

Tevis / Winfield BP
1631 West Liberty Rd
Sykesville, MD

Well	Date	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	MTBE	TBA	TAME	DIPE	ETBE
	MDE GNCS, Type I and II Aquifers	5	1,000	700	10,000	20	NG	NG	NG	NG
PW-1A	5/18/2006	< 0.1	0.6	0.1 J	< 0.2	3.1	--	--	--	--
TOS=178', TD=305'	7/13/2006	< 0.1	< 0.1	< 0.1	< 0.2	2.2	--	--	--	--
	11/10/2007	< 0.1	< 0.1	< 0.1	< 0.2	1.0	< 5	< 0.1	< 0.1	< 0.1
	1/30/2008	< 0.1	0.2 J	< 0.1	< 0.2	1.7	< 5	< 0.1	< 0.1	< 0.1
	4/30/2008	< 0.1	< 0.1	< 0.1	< 0.2	1.9	< 5	< 0.1	< 0.1	< 0.1
	7/15/2008	< 0.1	< 0.1	< 0.1	< 0.2	1.7	< 5	< 0.1	< 0.1	< 0.1
	10/22/2008	< 0.5	< 0.5	< 0.5	< 0.5	1.49	< 2.5	< 0.5	< 0.5	< 0.5
	4/2/2009	< 0.5	< 0.5	< 0.5	< 0.5	1.93	< 2.5	< 0.5	< 0.5	< 0.5
	4/27/2009	< 0.5	< 0.5	< 0.5	< 0.5	1.91	24.5	< 0.5	< 0.5	< 0.5
	7/20/2009	< 0.5	< 0.5	< 0.5	< 0.5	1.70	21.4	< 0.5	< 0.5	< 0.5
	10/20/2009	< 0.5	< 0.5	< 0.5	< 0.5	1.12	15.7	< 0.5	< 0.5	< 0.5
	1/20/2010	< 0.5	0.64	< 0.5	< 0.5	1.35	< 2.5	< 0.5	< 0.5	< 0.5
	7/16/2010	< 0.5	< 0.5	< 0.5	< 0.5	1.97	25.3	< 0.5	< 0.5	< 0.5
	11/10/2010	< 0.5	< 0.5	< 0.5	< 1.0	1.78	17.7	< 0.5	< 0.5	< 0.5
	11/2/2011	< 0.5	< 0.5	< 0.5	< 1.0	1.92	12.0	< 0.5	< 0.5	< 0.5
	7/26/2011	< 0.5	< 0.5	< 0.5	< 1.0	2.85	29.7	< 0.5	< 0.5	< 0.5
	1/12/2012	< 0.500	< 0.500	< 0.500	< 1.00	3.95	19.3	< 0.500	< 0.500	< 0.500
	5/7/2012	< 0.500	< 0.500	< 0.500	< 1.00	5.00	16.6	< 0.500	< 0.500	< 0.500
	1/22/2013	< 0.500	< 0.500	< 0.500	< 1.00	2.23	38.8	0.840	< 0.500	< 0.500
	7/24/2013	< 0.500	< 0.500	< 0.500	< 1.00	9.00	21.7	< 0.500	< 0.500	< 0.500
	2/11/2014	< 0.500	< 0.500	< 0.500	< 1.00	0.66	< 2.50	< 0.500	< 0.500	< 0.500
	7/8/2014	< 0.500	< 0.500	< 0.500	< 1.00	1.34	< 2.50	< 0.500	< 0.500	< 0.500
	1/29/2015	< 0.500	< 0.500	< 0.500	< 1.00	1.22	< 2.50	< 0.500	< 0.500	< 0.500
	7/1/2015	< 0.500	< 0.500	< 0.500	< 1.00	5.86	< 2.50	< 0.500	< 0.500	< 0.500
	1/16/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/27/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/21/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/31/2018	< 0.50	< 0.50	< 0.50	< 0.50	5.86	< 10.0	< 0.50	< 0.50	< 0.50
	3/22/2019	< 0.50	< 0.50	< 0.50	< 0.50	0.77	< 10.0	< 0.50	< 0.50	< 0.50
	6/20/2019	< 0.50	< 0.50	< 0.50	< 0.50	3.61	< 10.0	< 0.50	< 0.50	< 0.50
	11/6/2019	< 0.50	< 0.50	< 0.50	< 0.50	5.36	< 10.0	< 0.50	< 0.50	< 0.50
	4/8/2020	< 0.50	< 0.50	< 0.50	< 0.50	4.16	< 10.0	< 0.50	< 0.50	< 0.50
	6/17/2020	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 10.0	< 0.50	< 0.50	< 0.50
	12/9/2020	< 0.50	< 0.50	< 0.50	< 0.50	4.16	< 10.0	< 0.50	< 0.50	< 0.50
	3/22/2021	< 0.50	< 0.50	< 0.50	< 0.50	5.24	< 10.0	< 0.50	< 0.50	< 0.50
	6/14/2021	< 0.50	< 0.50	< 0.50	< 0.50	4.71	< 10.0	< 0.50	< 0.50	< 0.50
	9/21/2021	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 10.0	< 0.50	< 0.50	< 0.50
	12/16/2021	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 10.0	< 0.50	< 0.50	< 0.50
	7/12/2022	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 10.0	< 0.50	< 0.50	< 0.50
	9/16/2022	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	< 10.0	< 0.50	< 0.50	< 0.50


PW-1A MTBE Concentration Over Time
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
5/18/2006
7/13/2006
11/10/2007
1/30/2008
4/30/2008
7/15/2008
10/22/2008
4/2/2009
4/27/2009
7/20/2009
10/20/2009
1/20/2010
7/16/2010
11/10/2010
11/2/2011
7/26/2011
1/12/2012
5/7/2012
1/22/2013
7/24/2013
2/11/2014
7/8/2014
1/29/2015
7/1/2015
1/16/2017
9/27/2017
9/21/2018
12/31/2018
3/22/2019
6/20/2019
11/6/2019
4/8/2020
6/17/2020
12/9/2020
3/22/2021
6/14/2021
9/21/2021
12/16/2021
7/12/2022
9/16/2022
MTBE

Appendix C
Report of Analysis & Chain of Custody Record

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-1**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A006**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-1**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A006**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	130	EPA 8260
Dibromofluoromethane	%	124	EPA 8260
TFT	%	110	EPA 8015B
Toluene-d8	%	95	EPA 8260
Bromofluorobenzene	%	107	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-2**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A007**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-2**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A007**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	131	EPA 8260
Dibromofluoromethane	%	121	EPA 8260
TFT	%	110	EPA 8015B
Toluene-d8	%	97	EPA 8260
Bromofluorobenzene	%	106	EPA 8260

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Certificate of Analysis

Sample Identification:	**MW-3**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A008**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

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Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-3**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A008**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	131	EPA 8260
Dibromofluoromethane	%	124	EPA 8260
TFT	%	110	EPA 8015B
Toluene-d8	%	98	EPA 8260
Bromofluorobenzene	%	108	EPA 8260

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Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-4**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A009**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-4**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A009**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	132	EPA 8260
Dibromofluoromethane	%	123	EPA 8260
TFT	%	113	EPA 8015B
Toluene-d8	%	96	EPA 8260
Bromofluorobenzene	%	105	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-5S**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A010**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	4.16	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-5S**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A010**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	130	EPA 8260
Dibromofluoromethane	%	123	EPA 8260
TFT	%	112	EPA 8015B
Toluene-d8	%	95	EPA 8260
Bromofluorobenzene	%	102	EPA 8260

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Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-5D**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A011**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-5D**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A011**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	129	EPA 8260
Dibromofluoromethane	%	122	EPA 8260
TFT	%	111	EPA 8015B
Toluene-d8	%	97	EPA 8260
Bromofluorobenzene	%	105	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-6D**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A012**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-6D**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A012**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	130	EPA 8260
Dibromofluoromethane	%	123	EPA 8260
TFT	%	110	EPA 8015B
Toluene-d8	%	98	EPA 8260
Bromofluorobenzene	%	107	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-7D**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A013**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-7D**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A013**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	129	EPA 8260
Dibromofluoromethane	%	123	EPA 8260
TFT	%	109	EPA 8015B
Toluene-d8	%	96	EPA 8260
Bromofluorobenzene	%	107	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-8D**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A014**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-8D**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A014**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	127	EPA 8260
Dibromofluoromethane	%	123	EPA 8260
TFT	%	110	EPA 8015B
Toluene-d8	%	95	EPA 8260
Bromofluorobenzene	%	106	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-9D**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A015**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**MW-9D**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A015**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	128	EPA 8260
Dibromofluoromethane	%	122	EPA 8260
TFT	%	110	EPA 8015B
Toluene-d8	%	95	EPA 8260
Bromofluorobenzene	%	106	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**PW-1**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A016**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	1	ug/L	ND	EPA 8260
Chloromethane	1	ug/L	ND	EPA 8260
Vinyl Chloride	1	ug/L	ND	EPA 8260
Bromomethane	1	ug/L	ND	EPA 8260
Chloroethane	1	ug/L	ND	EPA 8260
Trichlorofluoromethane	1	ug/L	ND	EPA 8260
1,1-Dichloroethene	1	ug/L	ND	EPA 8260
tert-Butyl Alcohol (TBA)	25	ug/L	ND	EPA 8260
Methylene Chloride	1	ug/L	ND	EPA 8260
trans-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Methyl tert-Butyl Ether (MtBE)	1	ug/L	ND	EPA 8260
1,1-Dichloroethane	1	ug/L	ND	EPA 8260
Diisopropyl Ether (DIPE)	1	ug/L	ND	EPA 8260
cis-1,2-Dichloroethene	1	ug/L	ND	EPA 8260
Bromochloromethane	1	ug/L	ND	EPA 8260
Chloroform	1	ug/L	ND	EPA 8260
2,2-Dichloropropane	1	ug/L	ND	EPA 8260
Ethyl tert-Butyl Ether (EtBE)	1	ug/L	ND	EPA 8260
1,2-Dichloroethane	1	ug/L	ND	EPA 8260
tert-Amyl Alcohol (TAA)	25	ug/L	ND	EPA 8260
1,1,1-Trichloroethane	1	ug/L	ND	EPA 8260
1,1-Dichloropropene	1	ug/L	ND	EPA 8260
Carbon tetrachloride	1	ug/L	ND	EPA 8260
Benzene	1	ug/L	ND	EPA 8260
tert-Amyl Methyl Ether (TAME)	1	ug/L	ND	EPA 8260
Dibromomethane	1	ug/L	ND	EPA 8260
1,2-Dichloropropane	1	ug/L	ND	EPA 8260
Trichloroethene	1	ug/L	ND	EPA 8260
Bromodichloromethane	1	ug/L	ND	EPA 8260
tert-Amyl Ethyl Ether (TAEE)	1	ug/L	ND	EPA 8260
cis-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
trans-1,3-Dichloropropene	1	ug/L	ND	EPA 8260
1,1,2-Trichloroethane	1	ug/L	ND	EPA 8260
Toluene	1	ug/L	ND	EPA 8260
1,3-Dichloropropane	1	ug/L	ND	EPA 8260
Dibromochloromethane	1	ug/L	ND	EPA 8260
1,2-Dibromoethane	1	ug/L	ND	EPA 8260
Tetrachloroethene	1	ug/L	ND	EPA 8260
1,1,1,2-Tetrachloroethene	1	ug/L	ND	EPA 8260
Chlorobenzene	1	ug/L	ND	EPA 8260
Ethylbenzene	1	ug/L	ND	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**PW-1**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**9/17/2022**	**Analyst:**	**MM**
Analysis Date:	**9/21/2022**	**Lab File:**	**92122A016**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	2	ug/L	ND	EPA 8260
Bromoform	1	ug/L	ND	EPA 8260
Styrene	1	ug/L	ND	EPA 8260
o-Xylene	1	ug/L	ND	EPA 8260
1,1,2,2-Tetrachloroethane	1	ug/L	ND	EPA 8260
1,2,3-Trichloropropane	1	ug/L	ND	EPA 8260
Isopropylbenzene	1	ug/L	ND	EPA 8260
Bromobenzene	1	ug/L	ND	EPA 8260
n-Propylbenzene	1	ug/L	ND	EPA 8260
2-Chlorotoluene	1	ug/L	ND	EPA 8260
4-Chlorotoluene	1	ug/L	ND	EPA 8260
1,3,5-Trimethylbenzene	1	ug/L	ND	EPA 8260
tert-Butylbenzene	1	ug/L	ND	EPA 8260
1,2,4-Trimethylbenzene	1	ug/L	ND	EPA 8260
sec-Butylbenzene	1	ug/L	ND	EPA 8260
1,3-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,4-Dichlorobenzene	1	ug/L	ND	EPA 8260
1,2-Dichlorobenzene	1	ug/L	ND	EPA 8260
p-iso-Propyltoluene	1	ug/L	ND	EPA 8260
n-Butylbenzene	1	ug/L	ND	EPA 8260
1,2-Dibromo-3-chloropropane	1	ug/L	ND	EPA 8260
1,2,4-Trichlorobenzene	1	ug/L	ND	EPA 8260
Naphthalene	1	ug/L	ND	EPA 8260
Hexachlorobutadiene	1	ug/L	ND	EPA 8260
1,2,3-Trichlorobenzene	1	ug/L	ND	EPA 8260
TPH GRO	40	ug/L	ND	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	130	EPA 8260
Dibromofluoromethane	%	117	EPA 8260
TFT	%	110	EPA 8015B
Toluene-d8	%	96	EPA 8260
Bromofluorobenzene	%	107	EPA 8260

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**PW-1A**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**na**	**Analyst:**	**MM**
Analysis Date:	**9/19/2022**	**Lab File:**	**91922A008**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	0.5	ug/L	ND	EPA 524.2
Chloromethane	0.5	ug/L	ND	EPA 524.2
Vinyl Chloride	0.5	ug/L	ND	EPA 524.2
Bromomethane	0.5	ug/L	ND	EPA 524.2
Chloroethane	0.5	ug/L	ND	EPA 524.2
Trichlorofluoromethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloroethene	0.5	ug/L	ND	EPA 524.2
tert-Butyl Alcohol (TBA)	10	ug/L	ND	EPA 524.2
Methylene Chloride	0.5	ug/L	ND	EPA 524.2
trans-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Methyl tert-Butyl Ether (MtBE)	0.5	ug/L	ND	EPA 524.2
1,1-Dichloroethane	0.5	ug/L	ND	EPA 524.2
Diisopropyl Ether (DIPE)	0.5	ug/L	ND	EPA 524.2
cis-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Bromochloromethane	0.5	ug/L	ND	EPA 524.2
Chloroform	0.5	ug/L	ND	EPA 524.2
2,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Ethyl tert-Butyl Ether (EtBE)	0.5	ug/L	ND	EPA 524.2
1,2-Dichloroethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Alcohol (TAA)	10	ug/L	ND	EPA 524.2
1,1,1-Trichloroethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloropropene	0.5	ug/L	ND	EPA 524.2
Carbon tetrachloride	0.5	ug/L	ND	EPA 524.2
Benzene	0.5	ug/L	ND	EPA 524.2
tert-Amyl Methyl Ether (TAME)	0.5	ug/L	ND	EPA 524.2
Dibromomethane	0.5	ug/L	ND	EPA 524.2
1,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Trichloroethene	0.5	ug/L	ND	EPA 524.2
Bromodichloromethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Ethyl Ether (TAEE)	0.5	ug/L	ND	EPA 524.2
cis-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
trans-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
1,1,2-Trichloroethane	0.5	ug/L	ND	EPA 524.2
Toluene	0.5	ug/L	ND	EPA 524.2
1,3-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Dibromochloromethane	0.5	ug/L	ND	EPA 524.2
1,2-Dibromoethane	0.5	ug/L	ND	EPA 524.2
Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,1,1,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
Chlorobenzene	0.5	ug/L	ND	EPA 524.2
Ethylbenzene	0.5	ug/L	ND	EPA 524.2

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**PW-1A**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**na**	**Analyst:**	**MM**
Analysis Date:	**9/19/2022**	**Lab File:**	**91922A008**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	0.5	ug/L	ND	EPA 524.2
Bromoform	0.5	ug/L	ND	EPA 524.2
Styrene	0.5	ug/L	ND	EPA 524.2
o-Xylene	0.5	ug/L	ND	EPA 524.2
1,1,2,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichloropropane	0.5	ug/L	ND	EPA 524.2
Isopropylbenzene	0.5	ug/L	ND	EPA 524.2
Bromobenzene	0.5	ug/L	ND	EPA 524.2
n-Propylbenzene	0.5	ug/L	ND	EPA 524.2
2-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
4-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
1,3,5-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
tert-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2,4-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
sec-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,3-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,4-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
p-iso-Propyltoluene	0.5	ug/L	ND	EPA 524.2
n-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dibromo-3-chloropropane	0.5	ug/L	ND	EPA 524.2
1,2,4-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2
Naphthalene	0.5	ug/L	ND	EPA 524.2
Hexachlorobutadiene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	131	EPA 524.2
Dibromofluoromethane	%	118	EPA 524.2
Toluene-d8	%	97	EPA 524.2
Bromofluorobenzene	%	104	EPA 524.2

MDE Drinking Water Supply Laboratory Certification #333

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**TRIP BLANK**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**na**	**Analyst:**	**MM**
Analysis Date:	**9/19/2022**	**Lab File:**	**91922A007**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
Dichlorodifluoromethane	0.5	ug/L	ND	EPA 524.2
Chloromethane	0.5	ug/L	ND	EPA 524.2
Vinyl Chloride	0.5	ug/L	ND	EPA 524.2
Bromomethane	0.5	ug/L	ND	EPA 524.2
Chloroethane	0.5	ug/L	ND	EPA 524.2
Trichlorofluoromethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloroethene	0.5	ug/L	ND	EPA 524.2
tert-Butyl Alcohol (TBA)	10	ug/L	ND	EPA 524.2
Methylene Chloride	0.5	ug/L	ND	EPA 524.2
trans-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Methyl tert-Butyl Ether (MtBE)	0.5	ug/L	ND	EPA 524.2
1,1-Dichloroethane	0.5	ug/L	ND	EPA 524.2
Diisopropyl Ether (DIPE)	0.5	ug/L	ND	EPA 524.2
cis-1,2-Dichloroethene	0.5	ug/L	ND	EPA 524.2
Bromochloromethane	0.5	ug/L	ND	EPA 524.2
Chloroform	0.5	ug/L	ND	EPA 524.2
2,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Ethyl tert-Butyl Ether (EtBE)	0.5	ug/L	ND	EPA 524.2
1,2-Dichloroethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Alcohol (TAA)	10	ug/L	ND	EPA 524.2
1,1,1-Trichloroethane	0.5	ug/L	ND	EPA 524.2
1,1-Dichloropropene	0.5	ug/L	ND	EPA 524.2
Carbon tetrachloride	0.5	ug/L	ND	EPA 524.2
Benzene	0.5	ug/L	ND	EPA 524.2
tert-Amyl Methyl Ether (TAME)	0.5	ug/L	ND	EPA 524.2
Dibromomethane	0.5	ug/L	ND	EPA 524.2
1,2-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Trichloroethene	0.5	ug/L	ND	EPA 524.2
Bromodichloromethane	0.5	ug/L	ND	EPA 524.2
tert-Amyl Ethyl Ether (TAEE)	0.5	ug/L	ND	EPA 524.2
cis-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
trans-1,3-Dichloropropene	0.5	ug/L	ND	EPA 524.2
1,1,2-Trichloroethane	0.5	ug/L	ND	EPA 524.2
Toluene	0.5	ug/L	ND	EPA 524.2
1,3-Dichloropropane	0.5	ug/L	ND	EPA 524.2
Dibromochloromethane	0.5	ug/L	ND	EPA 524.2
1,2-Dibromoethane	0.5	ug/L	ND	EPA 524.2
Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,1,1,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
Chlorobenzene	0.5	ug/L	ND	EPA 524.2
Ethylbenzene	0.5	ug/L	ND	EPA 524.2

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Laboratory Services *1751 Pulaski Highway, Havre de Grace, MD 21078 Phone:410-939-5550 Fax:410-939-5552*

Certificate of Analysis

Sample Identification:	**TRIP BLANK**	**Project Identification:**	**WINFIELD BP**
MATRIX:	**water**	**Client Identification:**	**TEVIS**
Sample Date:	**9/16/2022**	**Client Telephone:**	
Date Received:	**9/16/2022**	**Client Fax:**	
Extraction Date:	**na**	**Analyst:**	**MM**
Analysis Date:	**9/19/2022**	**Lab File:**	**91922A007**

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	METHOD
m&p-Xylene	0.5	ug/L	ND	EPA 524.2
Bromoform	0.5	ug/L	ND	EPA 524.2
Styrene	0.5	ug/L	ND	EPA 524.2
o-Xylene	0.5	ug/L	ND	EPA 524.2
1,1,2,2-Tetrachloroethene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichloropropane	0.5	ug/L	ND	EPA 524.2
Isopropylbenzene	0.5	ug/L	ND	EPA 524.2
Bromobenzene	0.5	ug/L	ND	EPA 524.2
n-Propylbenzene	0.5	ug/L	ND	EPA 524.2
2-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
4-Chlorotoluene	0.5	ug/L	ND	EPA 524.2
1,3,5-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
tert-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2,4-Trimethylbenzene	0.5	ug/L	ND	EPA 524.2
sec-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,3-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,4-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dichlorobenzene	0.5	ug/L	ND	EPA 524.2
p-iso-Propyltoluene	0.5	ug/L	ND	EPA 524.2
n-Butylbenzene	0.5	ug/L	ND	EPA 524.2
1,2-Dibromo-3-chloropropane	0.5	ug/L	ND	EPA 524.2
1,2,4-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2
Naphthalene	0.5	ug/L	ND	EPA 524.2
Hexachlorobutadiene	0.5	ug/L	ND	EPA 524.2
1,2,3-Trichlorobenzene	0.5	ug/L	ND	EPA 524.2

SURROGATE SPIKE

1,2-Dichloroethane-d4	%	127	EPA 524.2
Dibromofluoromethane	%	114	EPA 524.2
Toluene-d8	%	98	EPA 524.2
Bromofluorobenzene	%	105	EPA 524.2

MDE Drinking Water Supply Laboratory Certification #333

ADVANCED ENVIRONMENTAL CONCEPTS, INC.
1751-1 Pulaski Hwy., Havre de Grace, MD 21078-2207
Phone: 410-939-5550 Fax: 410-939-5552
www.AECEnviro.com

Chain of Custody Record

Client: Tevis			**Project Name:** Winfield BP				**SDG#**						
Address:			**Project Location:** 1631 West Liberty Rd Sykesville, MD				**Preservatives**						
			Phone: Fax:				1:1 HCL						**Observation**
							Requested Analysis						
Contact: Todd Staub			**Email:**				8260	8015 DRO GRO					
Sample By:			**Receive Completed Report Via (Circle One)** U.S. Mail Email Fax										
	Sample #	**Sample ID**	**Date**	**Time**	**Matrix**	**pH**							
1		MW-1	9/16/22										
2		MW-2											
3		MW-3											
4		MW-4											
5		MW-5s											
6		MW-5d											
7		MW-6d											
8		MW-7d											
9		MW-8d											
10		MW-9d											

Relinquished/Received By Signature	**Date**	**Time**	**Delivery Method**
Relinquished By:			
Received By:			
Relinquished By:			
Received By:	9/16/22		
Relinquished By:			
Received By:			

Lab Use Only

Temp of Cooler <4°C

Ice Present (Y/N)

Custody Seal (Y/N)

Date of Extraction 9/17/22

Matrix Codes: SO = Soil, GW = Ground Water, WW = Waste Water, VP = Vapor, SL = Sludge, DW = Drinking Water, O = Other

Special Instructions / Comments / QC Requirements:

Turn Around Time: (STD) 1 Day 2 Day 3 Day Other

ADVANCED ENVIRONMENTAL CONCEPTS, INC.
1751-1 Pulaski Hwy., Havre de Grace, MD 21078-2207
Phone: 410-939-5550 Fax: 410-939-5552
www.AECEnviro.com

Chain of Custody Record

Client: Tevis	**Project Name:** Winfield BP	**SDG#**	
Address:	**Project Location:** 1631 West Liberty Rd Sykesville, MD	**Preservatives:** 1:1 HCL	**Observation**
	Phone: **Fax:**	**Requested Analysis:** 8260; 8015 DRO GRO; 524.2	
Contact: Todd Staub	**Email:**		
Sample By:	**Receive Completed Report Via (Circle One)** U.S. Mail Email Fax		

	Sample #	Sample ID	Date	Time	Matrix	pH	8260	8015 DRO GRO	524.2				Observation
1		PW-1	9/16/22				|	|					no chlorine
2		PW-1A	|			<2			|				
3		Trip	|			<2			|				
4													
5													
6													
7													
8													
9													
10													

Relinquished/Received By Signature	Date	Time	Delivery Method
Relinquished By: [signature]			
Received By:			
Relinquished By:			
Received By: [signature]	9/16/22		
Relinquished By:			
Received By:			

Matrix Codes: SO = Soil, GW = Ground Water, WW = Waste Water, VP = Vapor, SL = Sludge, DW = Drinking Water, O = Other

Special Instructions / Comments / QC Requirements:

Lab Use Only

Temp of Cooler: <4°C

Ice Present (Y/N)

Custody Seal (Y/N)

Date of Extraction: 9/17/22

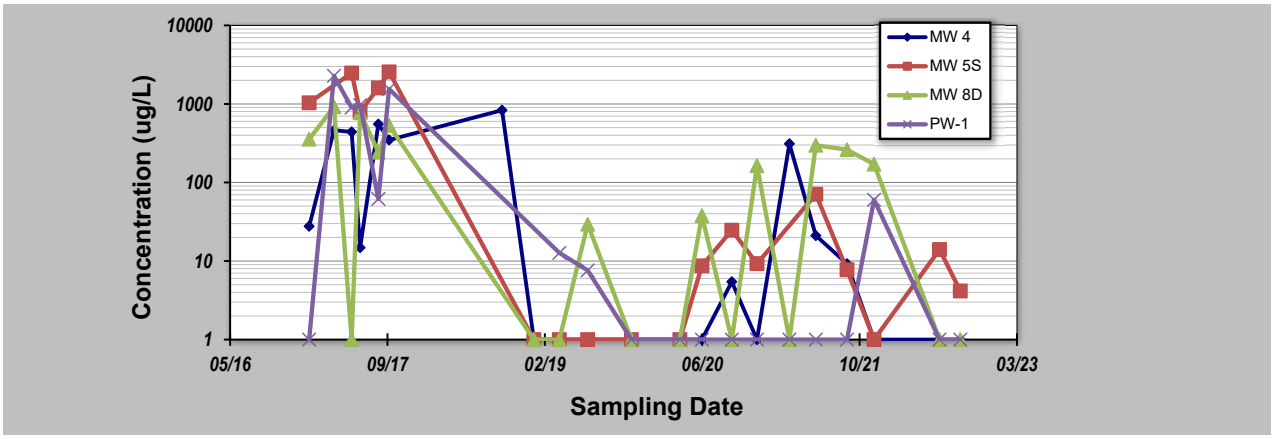
Turn Around Time: STD (circled) 1 Day 2 Day 3 Day Other

Appendix D
Mann/Kendall Trend Analysis Data

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	29-Sep-22	Job ID:	
Facility Name:	Tevis Winfield	Constituent:	MTBE
Conducted By:	Greg Beal	Concentration Units:	ug/L

Sampling Point ID:	MW 4	MW 5S	MW 8D	PW-1			
Sampling Event	Sampling Date	MTBE CONCENTRATION (ug/L)						
1	1/16/2017	27.7	1,035	356	1			
2	4/5/2017	463		920	2,280			
3	5/31/2017	441	2,480	1	899			
4	6/27/2017	14.8	796	772	967			
5	8/24/2017	554	1,600	243	61.70			
6	9/27/2017	348	2,560	534	1,550			
7	9/21/2018	833	0	ND				
8	12/31/2018	1	1	1				
9	3/22/2019	1	1	1	12.7			
10	6/20/2019	1	1	29.40	7.60			
11	11/6/2019	1	1	1	1			
12	4/8/2020	1	1	1	1			
13	6/17/2020	1	8.68	37.90	1			
14	09/20/20	5.45	24.7	1	1			
15	12/09/20	1	9.27	164	1			
16	03/22/21	311	<1	1	1			
17	06/14/21	21.1	70.9	298	1			
18	09/21/21	9.23	7.75	262	1			
19	12/16/2021	1	1	171	60.2			
20	7/12/2022	1	14.0	1	1			
21	9/16/2022	1	4.16	1	1			
22								
23								
24								
25								
Coefficient of Variation:		1.69	1.88	1.43	2.10			
Mann-Kendall Statistic (S):		-71	-26	-42	-72			
Confidence Factor:		98.4%	80.7%	90.7%	99.5%			
Concentration Trend:		Decreasing	No Trend	Prob. Decreasing	Decreasing			



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.