



Advanced Environmental Concepts, Inc.

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

**Quarter 2, 2021 Monitoring Well
Sampling Report , Request for Monitoring Well Closure
and Diminished Sampling Requirements**

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**

June 24, 2021

SIGNATURE SHEET

Prepared by:

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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 second quarter (Q2) of 2021 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 06/14/21, 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 06/14/21, 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 06/14/21 sampling event, ranged from 58.43feet in MW-2 (highest) to 54.46 feet 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 06/14/21 sampling event, ranged from 58.60 feet in MW-6D (highest) to 54.66 feet 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 06/14/21 from the sites monitoring well network.

MTBE was identified in Site MWs

- MW-1 (1.49ug/l)
- MW-4 (21.1ug/L)
- MW-5S(70.9ug/L)
- MW-7D(1.51ug/L)
- MW-8D(298ug/L)

TPH GRO was identified in Site MWs

- MW-5S(78ug/L)
- MW-8D(330ug/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-exhibiting detectable concentrations including MW-4, MW-5S, MW-7D, MW-8D. The Trend analysis indicated that there was a declining trend of MTBE contamination for all MWs for the data analysis was performed.

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 observed in the drinking water sample collected from the site's drinking water well (4.71ug/L MTBE) during the Q2 of 2021 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 and Request for MW Abandonment and Reduction of Analytical Parameters

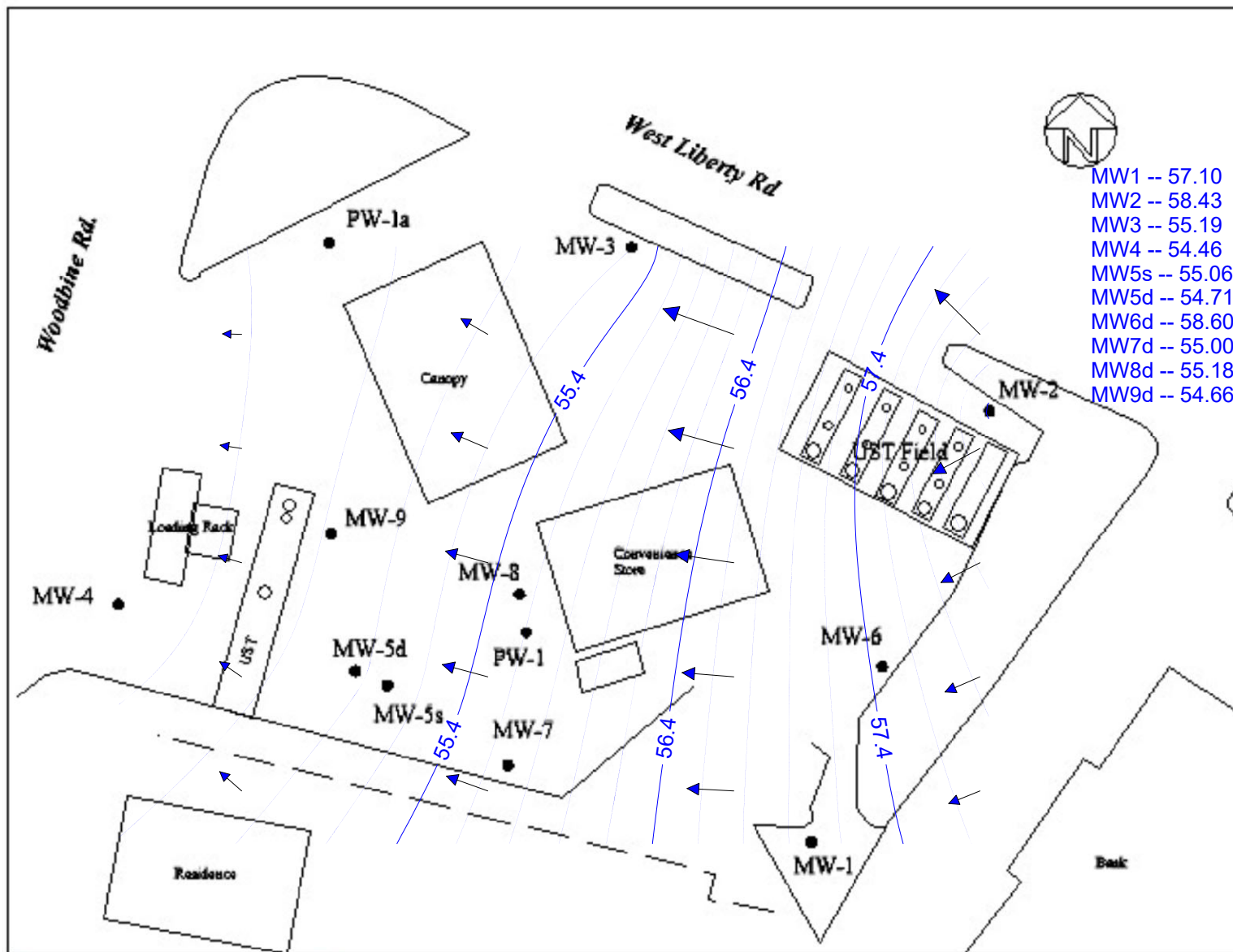
AEC, Inc., on behalf of Tevis Oil Inc., would like to request that MDE allow for the abandonment of MWs; MW-9d, MW-5d, MW-7d, MW-6d and MW-1. AEC is also requesting that MDE reduce the analytical requirements for the remaining MWs (MW-2, MW-3, MW4, MW-5s, MW-8d and PW-1). AEC is requesting that the analysis requirement for the remaining wells be limited to VOCs by EPA 8260 plus oxygenates thereby removing the TPH DRO and GRO by EPA 8015 analysis requirement.

This request for MW abandonment is based on;

- The below actionable limits or nondetectable concentrations of compounds observed in the samples collected from the MWs proposed for abandonment. Analytical tables documenting the concentrations for the wells are provided in Appendix B.
- Mann-Kendall Statistical Analysis indicates that all MWs showing contamination have a decreasing seasonal trend. (Mann Kendall Trend Analysis is provide in Appendix D)

AEC is requesting the diminished analytical requirements because the contamination detected is primarily the oxygenate MTBE and all contaminants have been established to fall within the gasoline range of total petroleum hydrocarbons. Therefore, the analysis for TPH DRO and GRO offers limited scientific benefit.

Appendix A
Site Maps

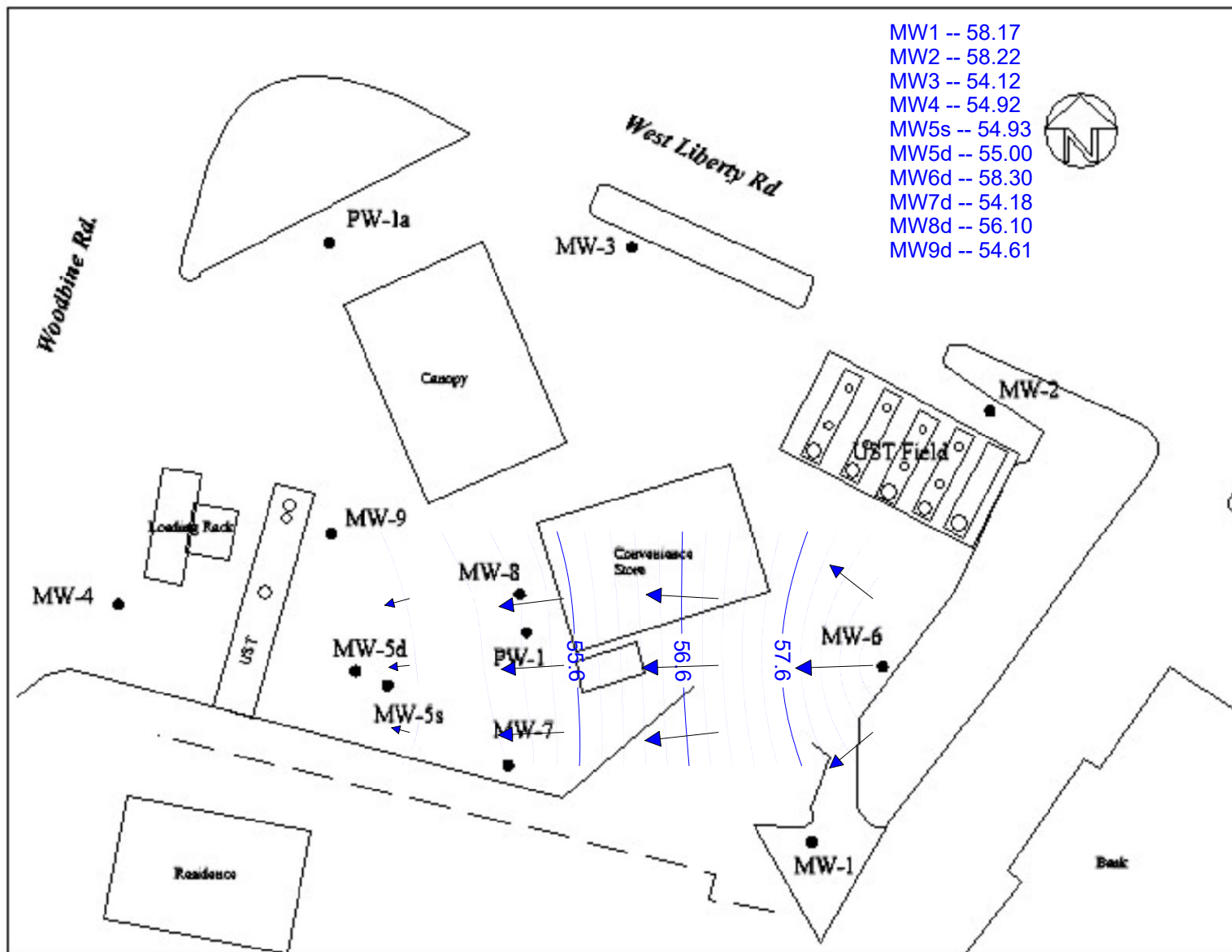


- MW1 -- 57.10
- MW2 -- 58.43
- MW3 -- 55.19
- MW4 -- 54.46
- MW5s -- 55.06
- MW5d -- 54.71
- MW6d -- 58.60
- MW7d -- 55.00
- MW8d -- 55.18
- MW9d -- 54.66



Tevis Winfield Project
 1631 West Liberty Rd
 Winfield, MD
 June 2021

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



- MW1 -- 58.17
- MW2 -- 58.22
- MW3 -- 54.12
- MW4 -- 54.92
- MW5s -- 54.93
- MW5d -- 55.00
- MW6d -- 58.30
- MW7d -- 54.18
- MW8d -- 56.10
- MW9d -- 54.61



Tevis Winfield Project
 1631 West Liberty Rd
 Winfield, MD
 June 2021

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



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

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

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

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	100.23														
TOS=unknown	100.25														
n BOS=84.18															
		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

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, MW-5S TOS = 10' BOS = 85'	100.67				5	1,000	700	10,000	20	NG	NG	NG	NG	47	47
		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	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

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	100.87														
TOS=114'															
BOS=139'															
		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	< 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	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

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	100.55														
TOS=116.5															
BOS=136.5															
		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

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	101.31														
TOS=118'															
BOS=138'															
		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

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 MW-8D TOS=114' BOS=134'					5	1,000	700	10,000	20.00	NG	NG	NG	NG	47	47
	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

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-9D	100.57														
TOS=119'															
BOS=139'															
		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

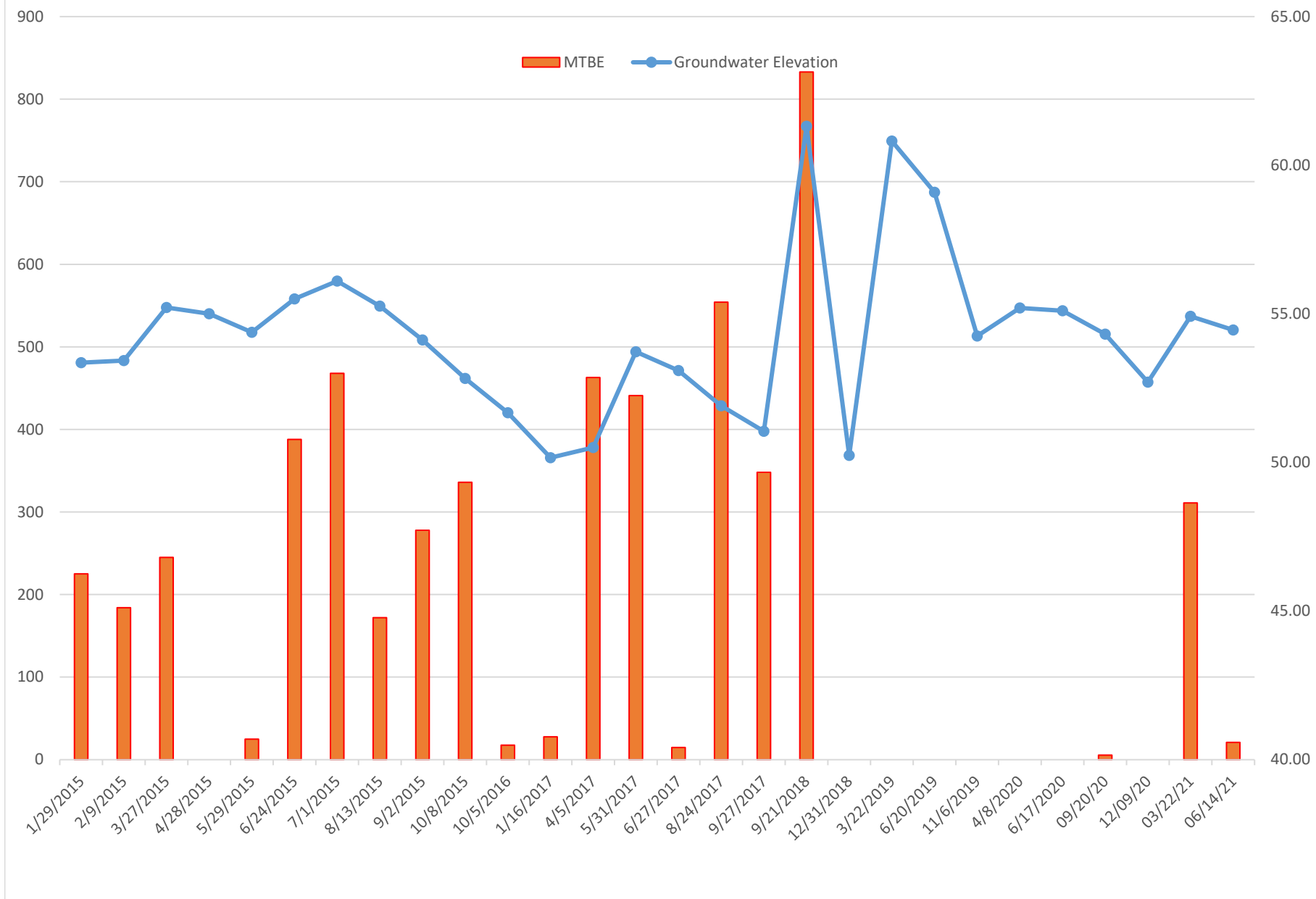
Groundwater Analytical Data Summary
Tevis Oil- Winfield BP

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	< 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

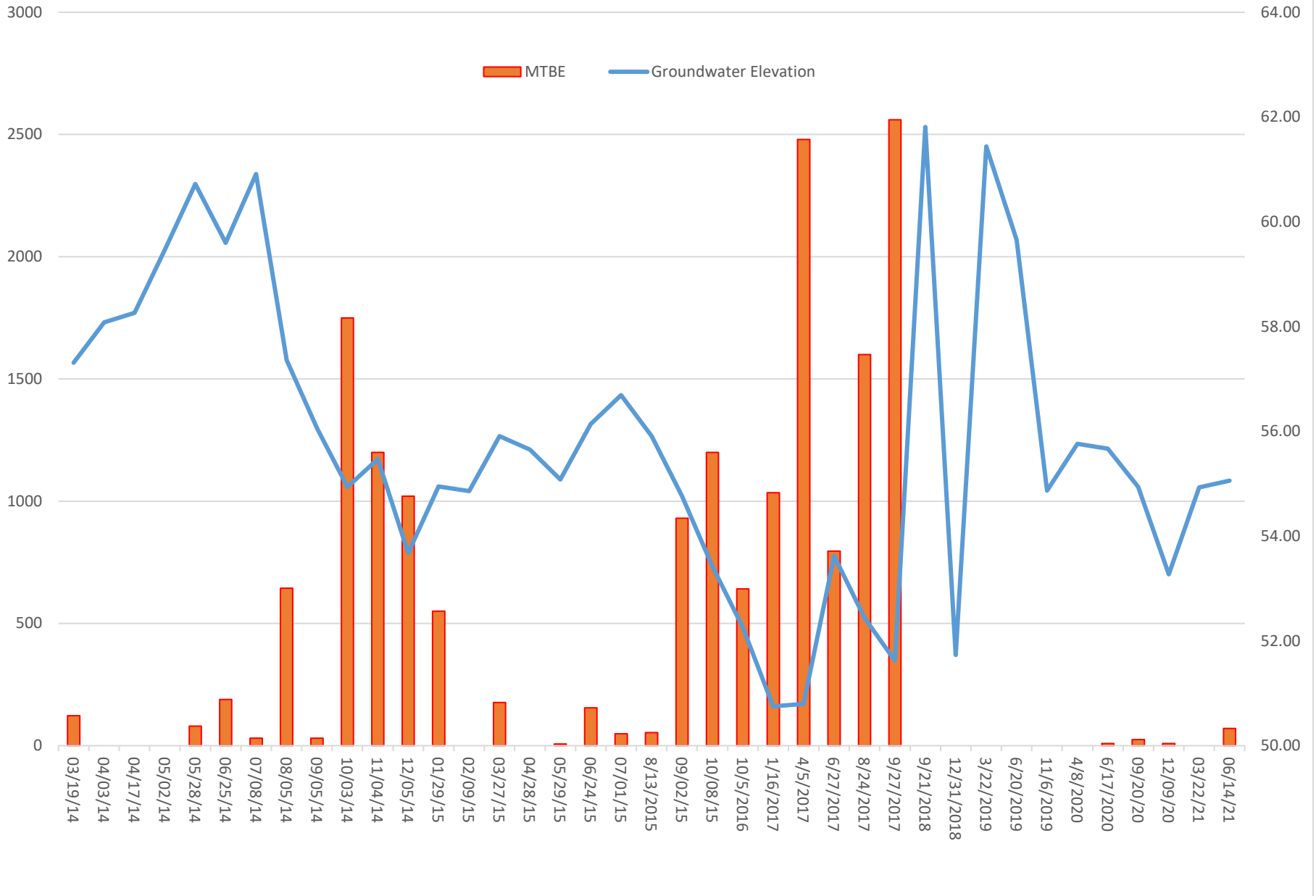
Tevis / Winfield BP
1631 West Liberty Rd
Sykesville, MD

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

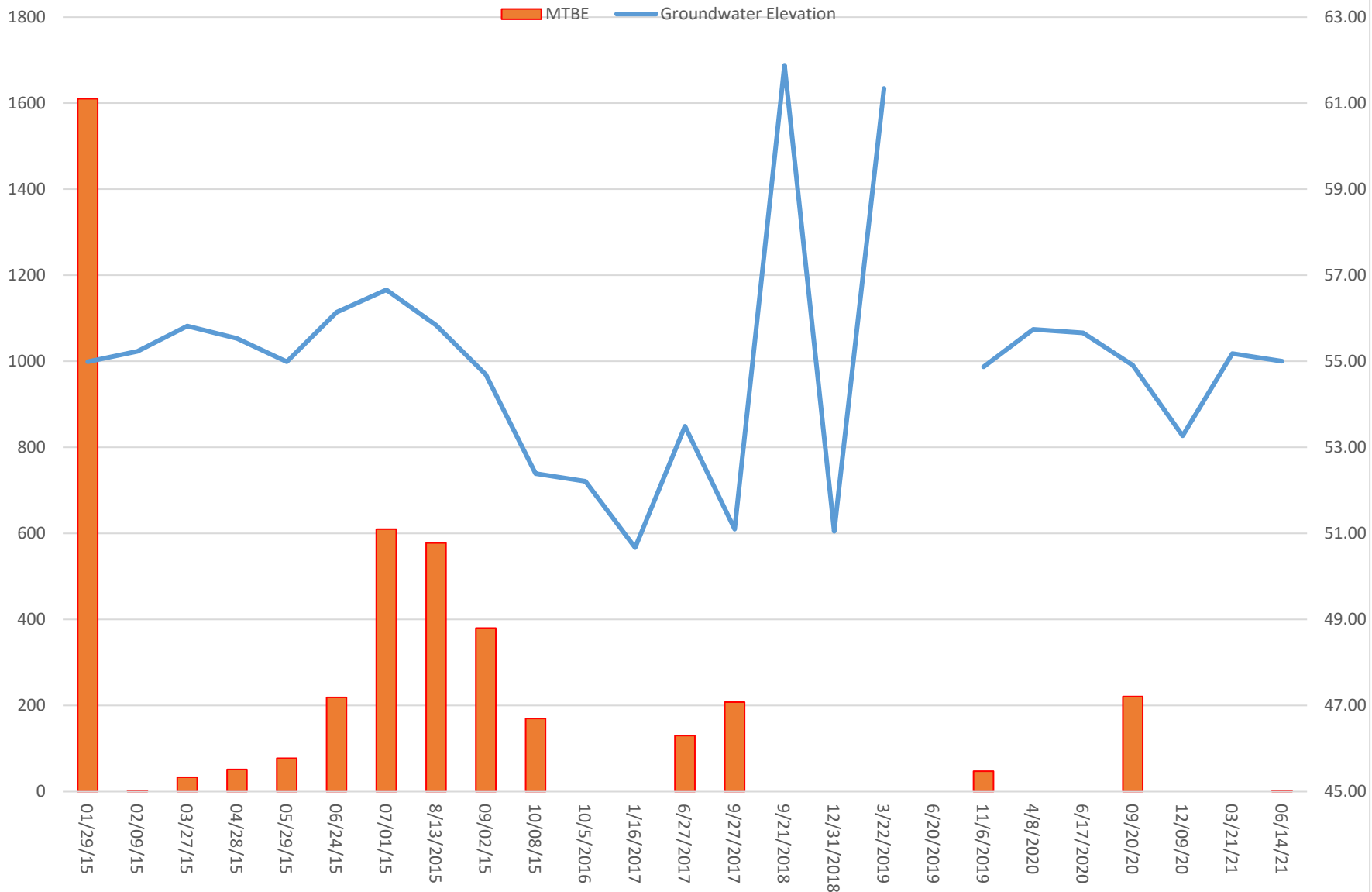
MW-4 MTBE Concentrations /Groundwater Elevation



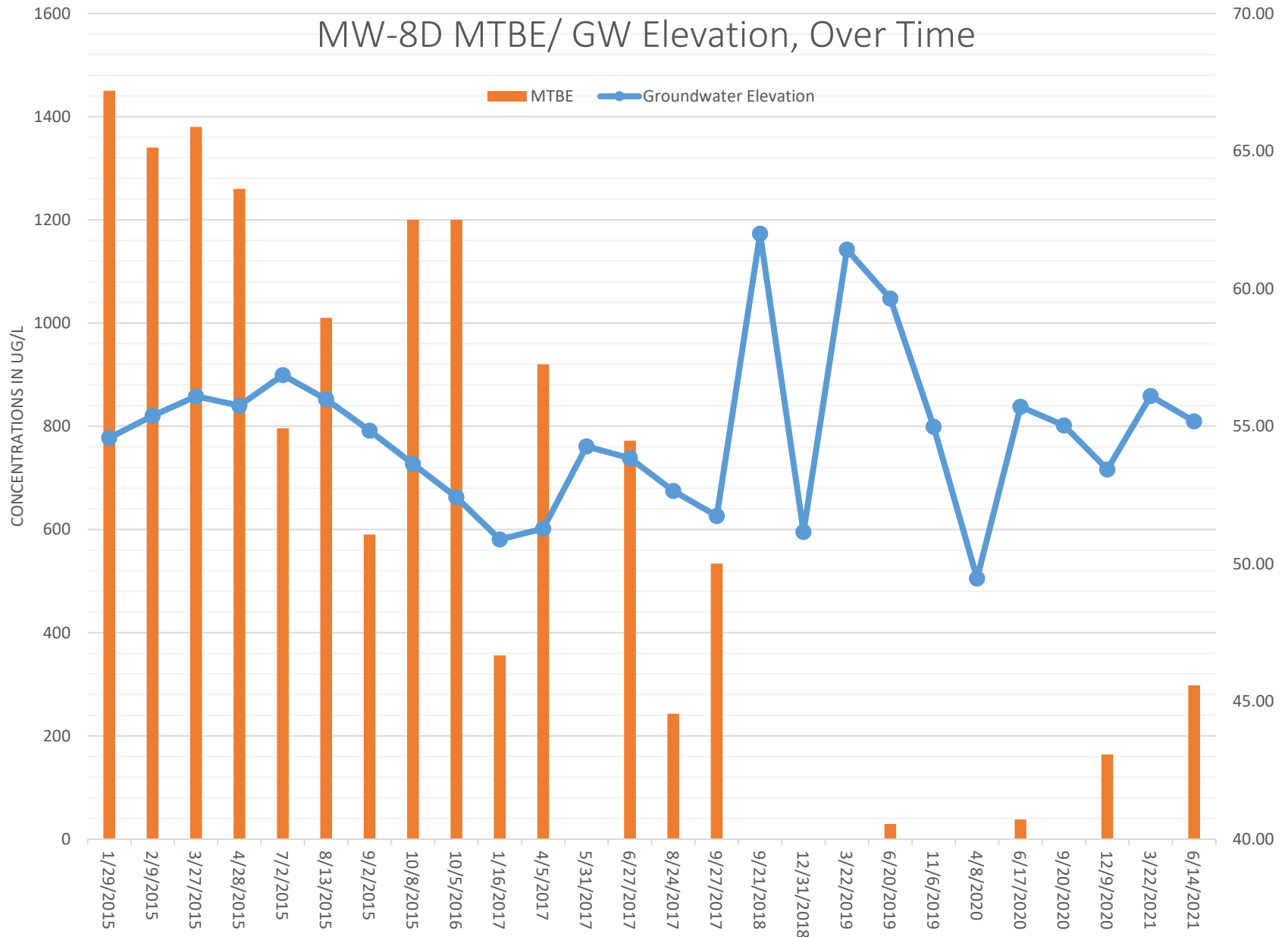
MW-5s GW Elevation/ MTBE Concentration



MW7D MTBE/GW Elevation



MW-8D MTBE/ GW Elevation, Over Time



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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A007

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	1.49	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A007

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		%	115	EPA 8260
Dibromofluoromethane		%	122	EPA 8260
TFT		%	120	EPA 8015B
Toluene-d8		%	84	EPA 8260
Bromofluorobenzene		%	89	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A008

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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A008

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		%	114	EPA 8260
Dibromofluoromethane		%	120	EPA 8260
TFT		%	119	EPA 8015B
Toluene-d8		%	82	EPA 8260
Bromofluorobenzene		%	89	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-3	Project Identification:	WINFIELD BP
MATRIX:	water	Client Identification:	TEVIS
Sample Date:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A009

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-3	Project Identification:	WINFIELD BP
MATRIX:	water	Client Identification:	TEVIS
Sample Date:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A009

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	%		115	EPA 8260
Dibromofluoromethane	%		119	EPA 8260
TFT	%		120	EPA 8015B
Toluene-d8	%		84	EPA 8260
Bromofluorobenzene	%		91	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A010

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	21.1	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	16.4	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A010

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		%	115	EPA 8260
Dibromofluoromethane		%	121	EPA 8260
TFT		%	120	EPA 8015B
Toluene-d8		%	83	EPA 8260
Bromofluorobenzene		%	91	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A011

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	70.9	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	2.51	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	3.49	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A011

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	78	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4		%	115	EPA 8260
Dibromofluoromethane		%	119	EPA 8260
TFT		%	125	EPA 8015B
Toluene-d8		%	83	EPA 8260
Bromofluorobenzene		%	89	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A012

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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A012

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		%	118	EPA 8260
Dibromofluoromethane		%	121	EPA 8260
TFT		%	121	EPA 8015B
Toluene-d8		%	83	EPA 8260
Bromofluorobenzene		%	90	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A013

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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A013

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	%		115	EPA 8260
Dibromofluoromethane	%		121	EPA 8260
TFT	%		130	EPA 8015B
Toluene-d8	%		84	EPA 8260
Bromofluorobenzene	%		91	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A014

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	1.51	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A014

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		%	120	EPA 8260
Dibromofluoromethane		%	123	EPA 8260
TFT		%	125	EPA 8015B
Toluene-d8		%	83	EPA 8260
Bromofluorobenzene		%	90	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A015

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	298	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	18.7	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A015

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	330	EPA 8015B
TPH DRO	40	ug/L	ND	EPA 8015B

SURROGATE SPIKE

1,2-Dichloroethane-d4		%	106	EPA 8260
Dibromofluoromethane		%	110	EPA 8260
TFT		%	119	EPA 8015B
Toluene-d8		%	82	EPA 8260
Bromofluorobenzene		%	90	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A016

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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A016

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	%		115	EPA 8260
Dibromofluoromethane	%		124	EPA 8260
TFT	%		130	EPA 8015B
Toluene-d8	%		85	EPA 8260
Bromofluorobenzene	%		91	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A017

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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	6/21/2021	Analyst:	MM
Analysis Date:	6/21/2021	Lab File:	62121A017

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	%		119	EPA 8260
Dibromofluoromethane	%		122	EPA 8260
TFT	%		122	EPA 8015B
Toluene-d8	%		84	EPA 8260
Bromofluorobenzene	%		91	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	6/22/2021	Lab File:	62221A007

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	4.71	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	6/22/2021	Lab File:	62221A007

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	%		119	EPA 524.2
Dibromofluoromethane	%		123	EPA 524.2
Toluene-d8	%		83	EPA 524.2
Bromofluorobenzene	%		91	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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	6/22/2021	Lab File:	62221A006

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:	6/14/2021	Client Telephone:	
Date Received:	6/14/2021	Client Fax:	
Extraction Date:	na	Analyst:	MM
Analysis Date:	6/22/2021	Lab File:	62221A006

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	%		116	EPA 524.2
Dibromofluoromethane	%		124	EPA 524.2
Toluene-d8	%		82	EPA 524.2
Bromofluorobenzene	%		89	EPA 524.2

MDE Drinking Water Supply Laboratory Certification #333

Chain of Custody Record

Client: Tevis		Project Name: Winfield BP		SDG#	
Address:		Project Location: 1631 West Liberty Rd Sykesville, MD		Preservatives	
Contact: Todd Staub		Phone: Fax:		1:1 HCL	
Sample By:		Email:		Requested Analysis	
		Receive Completed Report Via (Circle One) U.S. Mail Email Fax		8260 8015 DRO GRO	
Sample #	Sample ID	Date	Time	Matrix	pH
1	MW-1	6/14/21			
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		Delivery Method	
Relinquished By: <i>[Signature]</i>		6/14/21			
Received By: <i>[Signature]</i>					
Relinquished By:					
Received By: <i>[Signature]</i>		6/14/21			
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:					
Temp of Cooler		Lab Use Only			
Ice Present <input checked="" type="checkbox"/>					
Custody Seal <input checked="" type="checkbox"/>					
Date of Extraction					
Turn Around Time: <input checked="" type="radio"/> STD <input type="radio"/> 1 Day <input type="radio"/> 2 Day <input type="radio"/> 3 Day <input type="radio"/> Other					

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Chain of Custody Record

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

Client: Tevis		Project Name: Winfield BP		SDG#				
Address: 1631 West Liberty Rd Sykesville, MD		Project Location:		Preservatives				
Phone:		Fax:		1:1 HCL				
Contact: Todd Staub		Email:		Requested Analysis				
Sample By:		Receive Completed Report Via (Circle One)		8260 8015 524.2				
		U.S. Mail Email Fax		DRO GRO				
Sample #	Sample ID	Date	Time	Matrix	pH	Temp of Cooler	Lab Use Only	Observation
1	PW-1	6/14/21						
2	PW-1A							
3	Trip							
4								
5								
6								
7								
8								
9								
10								
Relinquished/Received By Signature		Date	Time	Delivery Method				
Relinquished By: <i>[Signature]</i>		6/14/21				Temp of Cooler: <u>40°C</u>		
Received By: <i>[Signature]</i>						Ice Present (Y/N) <u>(Y)</u>		
Relinquished By: <i>[Signature]</i>						Custody Seal (Y/N) <u>(Y)</u>		
Received By: <i>[Signature]</i>		6/14/21				Date of Extraction: <u>6/21/21</u>		
Relinquished By: <i>[Signature]</i>						Turn Around Time: <u>(STD)</u> 1 Day 2 Day 3 Day Other		
Received By: <i>[Signature]</i>								
Matrix Codes: SO = Soil, GW = Ground Water, WW = Waste Water, VP = Vapor, SL = Sludge, DW = Drinking Water, O = Other								
Special Instructions / Comments / QC Requirements:								

Appendix D
Mann/Kendall Trend Analysis Data

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

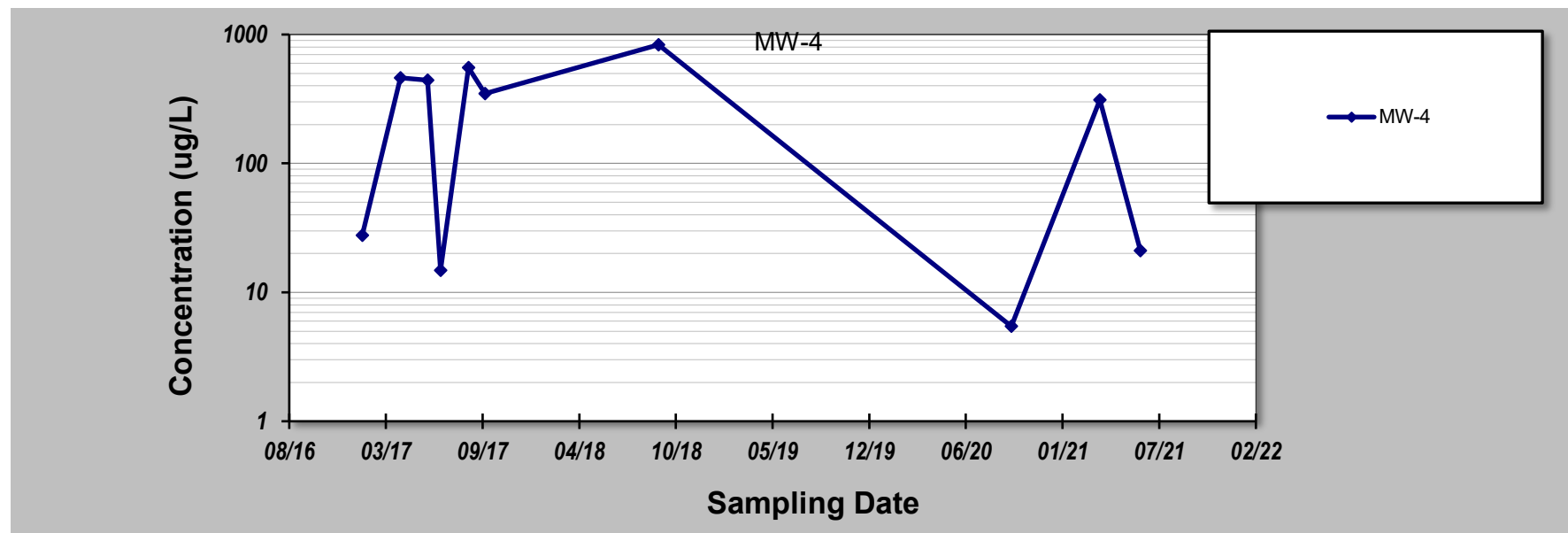
Evaluation Date: **24-Jun-21**
 Facility Name: **Tevis Winfield BP**
 Conducted By: **Greg Beal**

Job ID: **Tevis Winfield BP**
 Constituent: **MTBE**
 Concentration Units: **ug/L**

Sampling Point ID: **MW-4**

Sampling Event	Sampling Date	MTBE CONCENTRATION (ug/L)					
1	1/16/2017	27.7					
2	4/5/2017	463					
3	5/31/2017	441					
4	6/27/2017	14.8					
5	8/24/2017	554					
6	9/27/2017	348					
7	9/21/2018	833					
8	12/31/2018	<5					
9	3/22/2019	<5					
10	6/20/2019	<5					
11	11/6/2019	<5					
12	4/8/2020	<5					
13	6/17/2020	<5					
14	09/20/20	5.45					
15	12/09/20	<1					
16	03/22/21	311					
17	6/14/2021	21.1					
18							
19							
20							

Coefficient of Variation:	1.25	0.24	0.00	0.00		
Mann-Kendall Statistic (S):	-35	8	0	0		
Confidence Factor:	95.4%	95.8%	40.8%	40.8%		
Concentration Trend:	Decreasing	Increasing	Stable	Stable		



Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- 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.
- 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.

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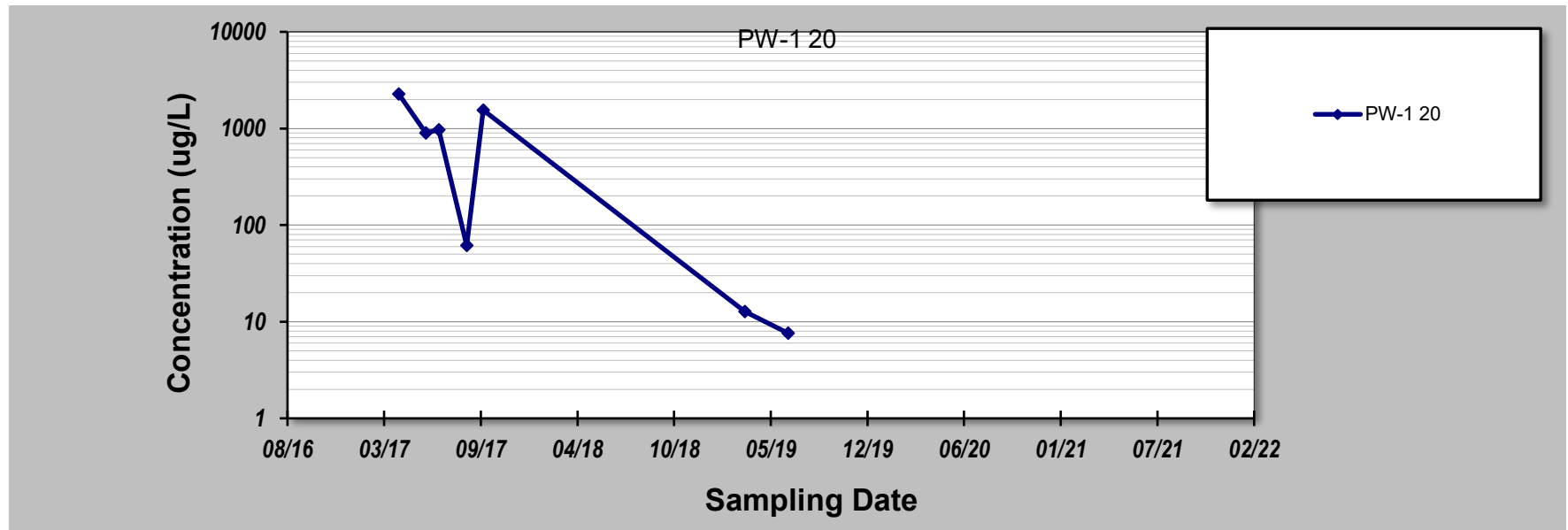
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 24-Jun-21	Job ID: Tevis Winfield BP
Facility Name: Tevis Winfield BP	Constituent: MTBE
Conducted By: Greg Beal	Concentration Units: ug/L

Sampling Point ID: **PW-1**

Sampling Event	Sampling Date	MTBE CONCENTRATION (ug/L)					
1	1/16/2017	<5					
2	4/5/2017	2,280					
3	5/31/2017	899					
4	6/27/2017	967					
5	8/24/2017	61.70					
6	9/27/2017	1,550					
7	3/22/2019	12.7					
8	6/20/2019	7.60					
9	11/6/2019	<5					
10	4/8/2020	<5					
11	6/17/2020	<5					
12	09/20/20	<5					
13	12/09/20	<1					
14	03/22/21	<1					
15	06/14/21	<1					
16							
17							
18							
19							
20							

Coefficient of Variation:	1.55	0.24	0.00	0.00		
Mann-Kendall Statistic (S):	-34	8	0	0		
Confidence Factor:	99.0%	95.8%	40.8%	40.8%		
Concentration Trend:	Decreasing	Increasing	Stable	Stable		



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.

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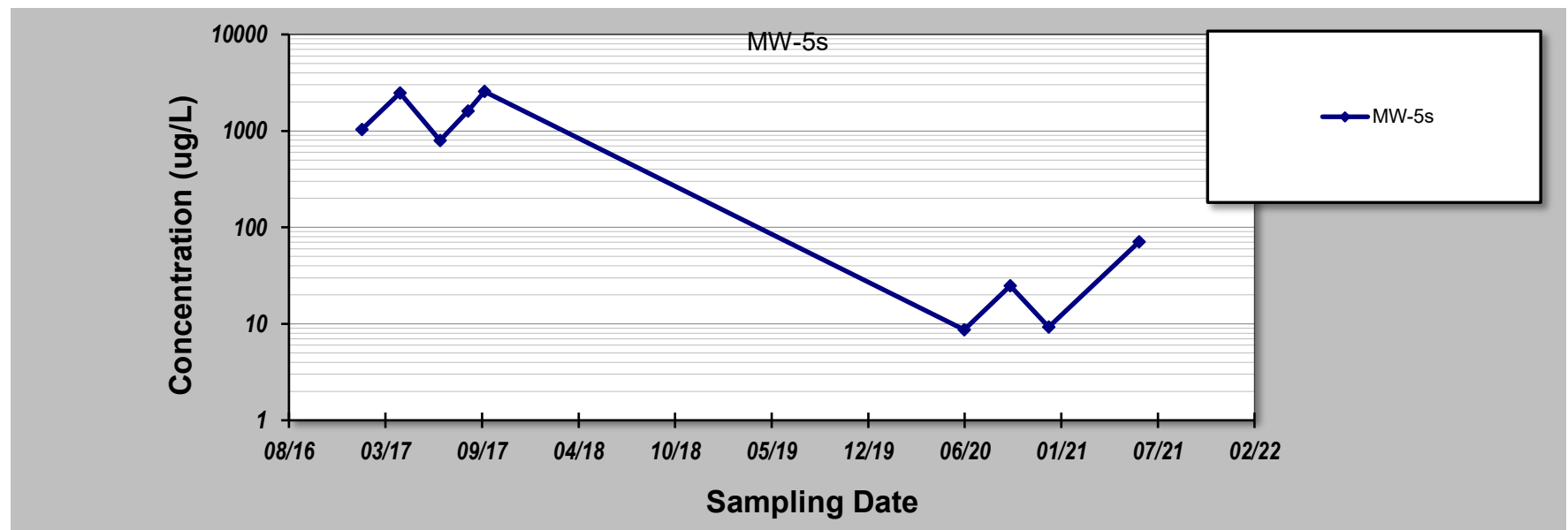
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 24-Jun-21	Job ID: Tevis Winfield BP
Facility Name: Tevis Winfield BP	Constituent: MTBE
Conducted By: Greg Beal	Concentration Units: ug/L

Sampling Point ID: **MW-5s**

Sampling Event	Sampling Date	MTBE CONCENTRATION (ug/L)					
1	1/16/2017	1,035					
2	4/5/2017	2,480					
3	6/27/2017	796					
4	8/24/2017	1,600					
5	9/27/2017	2,560					
6	9/21/2018	0					
7	12/31/2018	<5					
8	3/22/2019	<5					
9	6/20/2019	<5					
10	11/6/2019	<5					
11	4/8/2020	<5					
12	6/17/2020	8.68					
13	09/20/20	24.7					
14	12/09/20	9.27					
15	03/22/21	<1					
16	06/14/21	70.9					
17							
18							
19							
20							

Coefficient of Variation:	1.58	0.24	0.00	0.00
Mann-Kendall Statistic (S):	-35	8	0	0
Confidence Factor:	95.4%	95.8%	40.8%	40.8%
Concentration Trend:	Decreasing	Increasing	Stable	Stable



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.

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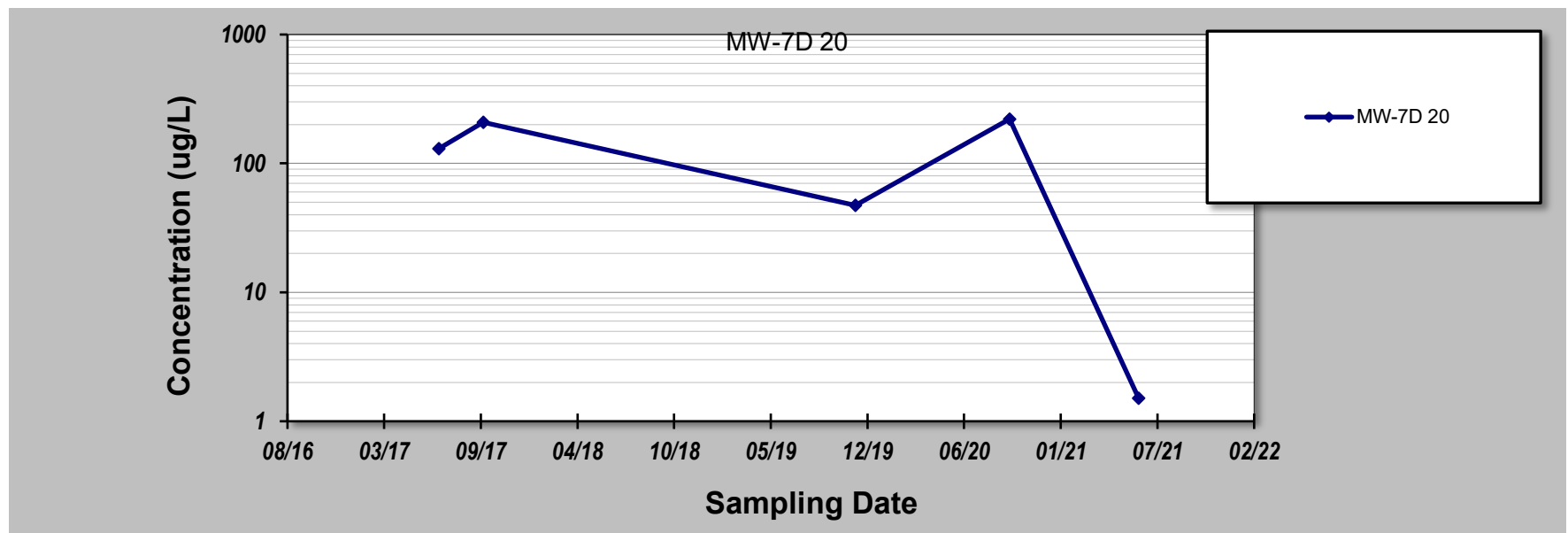
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 24-Jun-21	Job ID: Tevis Winfield BP
Facility Name: Tevis Winfield BP	Constituent: MTBE
Conducted By: Greg Beal	Concentration Units: ug/L

Sampling Point ID: **MW-7D**

Sampling Event	Sampling Date	MTBE CONCENTRATION (ug/L)					
1	1/16/2017	ND					
2	6/27/2017	130					
3	9/27/2017	208					
4	9/21/2018	ND					
5	12/31/2018	<5					
6	3/22/2019	<5					
7	11/6/2019	47.4					
8	4/8/2020	<5					
9	6/17/2020	<5					
10	09/20/20	221					
11	12/09/20	<1					
12	03/21/21	<1					
13	06/14/21	1.51					
14							
15							
16							
17							
18							
19							
20							

Coefficient of Variation:	1.09	0.24	0.00	0.00		
Mann-Kendall Statistic (S):	-21	8	0	0		
Confidence Factor:	96.4%	95.8%	40.8%	40.8%		
Concentration Trend:	Decreasing	Increasing	Stable	Stable		



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.

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GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

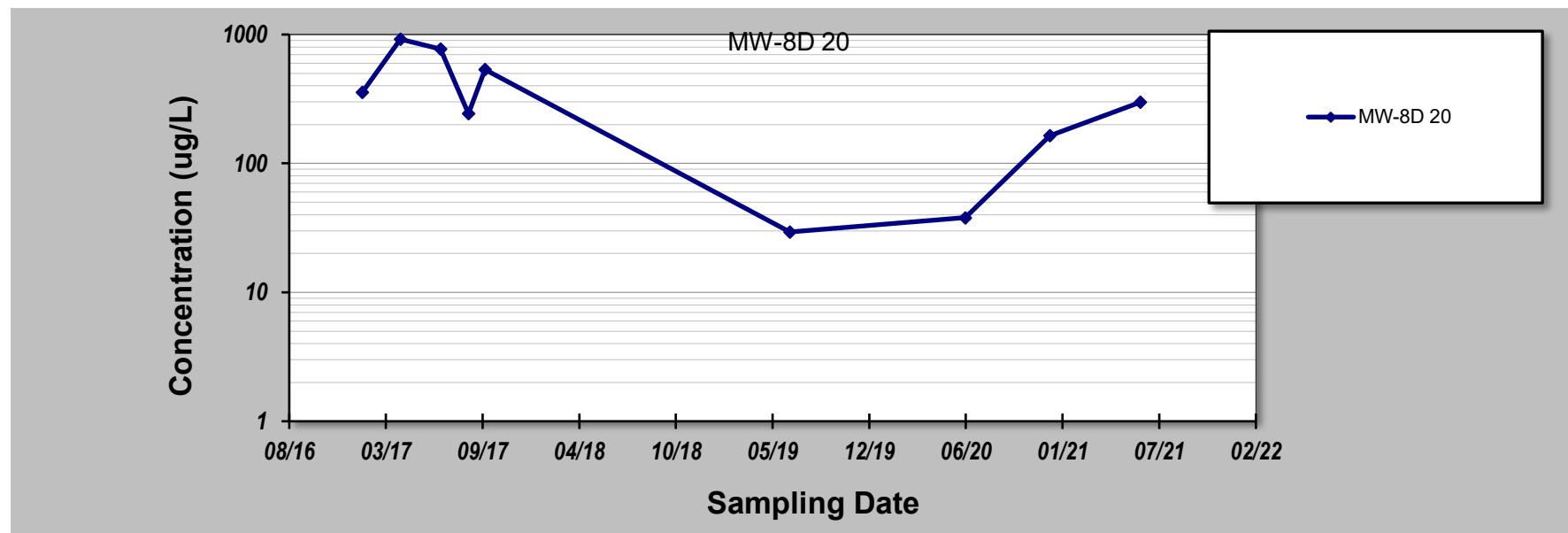
Evaluation Date: **24-Jun-21**
 Facility Name: **Tevis Winfield BP**
 Conducted By: **Greg Beal**

Job ID: **Tevis Winfield BP**
 Constituent: **MTBE**
 Concentration Units: **ug/L**

Sampling Point ID: **MW-8D**

Sampling Event	Sampling Date	MTBE CONCENTRATION (ug/L)					
1	1/16/2017	356					
2	4/5/2017	920					
3	5/31/2017	ND					
4	6/27/2017	772					
5	8/24/2017	243					
6	9/27/2017	534					
7	9/21/2018	ND					
8	12/31/2018	<5					
9	3/22/2019	<5					
10	6/20/2019	29.40					
11	11/6/2019	<5					
12	4/8/2020	<5					
13	6/17/2020	37.90					
14	9/20/2020	<5					
15	12/9/2020	164					
16	3/22/2021	<1					
17	6/14/2021	298					
18							
19							
20							

Coefficient of Variation:	1.20	0.24	0.00	0.00		
Mann-Kendall Statistic (S):	-61	8	0	0		
Confidence Factor:	>99.9%	95.8%	40.8%	40.8%		
Concentration Trend:	Decreasing	Increasing	Stable	Stable		



Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- 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.
- 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.

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