3-8-12

Well ID	ft DTW(TOC)	ft TD(TOC)	ft DTP(TOC)	Time
DRW-1P	47.14	60.0	42.92	1246
DRW-2P	51.10	~~60.40~~	44.04	1225
DRW-3P	54.53	61.69	43.52	1234
DRW-4	43.72ft	61.20	—	1238
DRW-5P	45.09	61.27	—	1219
DRW-12	46.17	62.07	—	1136
DRW-13	45.38	62.89	—	1200
DRW-16	71.87	92.~~78~~ 87.65	—	1213
HCF-1	47.52	64.58	—	1207
HCF-5P	52.03	62.73	43.33	1243
HCF-7P	51.45	62.33	45.13	1229
HMW-36	20.69	23.75	—	1111
HMW-37	42.48	45.16	—	1115
HMW-38	47.55	63.73	—	1118
HMW-39	46.17	64.91	—	1105
HMW-40	24.68	40.47	—	1055
HMW-41	44.52	61.28	—	1058
HMW-43	44.90	65.50	—	1123
HMW-29	73.34	80.68	—	1015
HMW-32	72.99	92.17	—	1004
HMW-33	42.99	52.83	—	1047
HMW-11	46.01	65.72	—	1127
HMW-13	45.32	48.84	—	1141
HMW-34	74.52	92.67	—	1028
HMW-35	73.21	86.87	—	1021
✓ HMW-8	76.18ft	99.41	—	0944
HMW-59	75.09	87.67	—	1035

DATE: 3-8-12 PERSONNEL: B. Davis R. Wu
WELL ID: HMW-8

AIR TEMP: 52°F °F REL. HUM: 25 %
WEATHER COND: Overcast 15-20 mph wind

PUMP #: 000034 WATER QUALITY METER USE #: 0000 ~~18~~ 12
DRUM: Comp. WATER LEVEL INDIC #: 000018
GEL HRS: Ø TURBIDITY METER #: 000011

WELL TD: 99.41 ft DTGW (BGS): 74.43 ft.
DTW (TOC) 76.18 ft ~~WATER COL.~~: DTD
LOC: 1.75 ft ~~COL. VOL.~~: BTD
WELL SIZE: 2"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)
TEMP: 15.88 °C DO 1.06 mg/L TURB: 4.19 NTU
COND: 14.16 mS/cm PH: 7.34
TDS: 9.201 g/L ORP: 5.0 mV

SAMPLE DATE: 3-8-12
" TIME: 1410
" IDH: HLSF-3839-HMW-008-0312
HLSF-3839-HMW-008-0312-MS/MSD

DATE: 3-8-12 WELL ID: HMW-8 PERSONNEL: B. Davis R. Wu

TIME	VOL (mL)	TEMP (°C)	COND (mS/cm)	TDS (g/L)	DO (mg/L)	PH	ORP (mV)	TURB (NTU)
1338	Start	15.28	14.03	9.119	2.29	7.42	8.1	4.94
1344	750	15.84	14.09	9.158	1.56	7.50	6.3	4.08
1349	1500	16.20	14.08	9.154	1.39	7.48	6.0	3.55
1354	2250	16.29	14.15	9.195	1.24	7.53	7.1	3.21
1359	3000	16.08	14.16	9.205	1.10	7.70	3.3	3.33
1404	3750	15.88	14.16	9.201	1.06	7.34	5.0	4.19
	4500							
	5250							
1410 - Sample								

NOTES: SET-UP, PUMP SET @ 85 ft, DRAWDOWN SET @ 77.18, CONTROLLER SET MN
REFILL 00, DISCHARGE 10, PSI 40, START PURGE 1322, 1 SITE WATER @ 1330
FINISH 1430, TOTAL 1:08, INITIAL DRAWDOWN 76.23, FINAL 76.45

DATE: 3-12-12 PERSONNEL: B. Davis A. Jenness

WELL ID: HMW-35

AIR TEMP: 50°F °F REL. HUM 25 %

WEATHER COND - 0-5 mph wind p. Cloudy.

PUMP #: 000034 WATER QUALITY METER VSI #: 000012

DRUM: 20 gal Comp WATER LEVEL IND #: 000018

GEN HRS: Ø TURBIDITY METER #: 000011

WELL TD: 83.50 ft 73.05 BTD DTGW (bgs): 70.64 ft

DTW (TOC) ~~74.05 ft.~~ ~~WATER COL.~~ BTD

(LOC) 2.41 ft ~~COL. VOL.~~ BTD

WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)

TEMP: 17.88 °C DO: 4.76 mg/L TURB: 0.41 NTU

COND: 12.09 mS/cm PH: 7.68

TDS: 7.861 g/L ORP: 23.9 mV

SAMPLE DATE: 3-12-12

" TIME: 1020

" ID #: HLSF-3839-HMW-035-0312

HLSF-3839-HMW-135-0312

DATE 3-12-12 WELL ID: HMW-35 PERSONNEL: B. Davis A. Jenness

TIME	mL VOL	°C TEMP	mS/cm COND	g/L TDS	mg/L DO	PH	mV ORP	NTU TURB
0955	INIT	15.83	12.0	7.801	5.81	7.60	29.2	0.78
1002	750	17.25	12.03	7.820	5.21	7.64	24.9	0.90
1007	1500	17.64	12.07	7.844	5.03	7.70	22.9	0.45
1012	2250	17.87	12.08	7.849	4.84	7.70	23.6	0.46
1016	3000	17.88	12.09	7.861	4.76	7.68	23.9	0.41
	3750							
	4500							
	5250							

1020 - Sample

NOTES: SET-UP, PUMP SET @ 77 ft, DRAWDOWN SET @ 75.05, CONTROLLER SET @ MN

REFILL 20, DISCHARGE 10, PSI 45, START PURGE 0944, 1st WATER 0950

FINISH 1110, TOTAL 1:26, INITIAL DRAWDOWN 73.08, FINAL 73.16

DATE: 3-12-12 PERSONNEL: B. Davis, A. Jenness

WELL ID: HMW-34

AIR TEMP: 63°F °F REL. HUM 25 %

WEATHER COND: P.Cloudy ~ 0-5 mph wind

PUMP #: 000034 WATER QUALITY METER YSI #: 000012

DRUM: 20 gal Comp. WATER LEVEL IND #: 000018

GEN HAS: Ø TURBIDITY METER #: 000011

WELL TD: 90.0 DTW (bgs): 72.30 ft.

DTW (TOC): 74.47 ft. ~~WATER COL.~~ DTD

LOC: ~~2.17 ft~~ 2.17 ft ~~COL. VOL.~~ DTD

WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)

TEMP: 19.55 °C DO: 0.67 mg/L TURB: 0.66 NTU

COND: 12.44 mS/cm PH: 7.64

TDS: 8.084 g/L ORP: 30.0 mV

SAMPLE DATE: 3-12-12

" TIME: 1210

" ID #: HLSF-3839-HMW-034-0312

DATE: 3-12-12 WELL ID: HMW-59 PERSONNEL: B. Davis A. Jenness

TIME	mL VOL TOT	°C TEMP	mS/cm COND	g/L TDS	mg/L DO	PH	mV ORP	NTU TURB
1147	750	18.95	12.38	8.046	0.08	7.89	303	0.92
1151	1500	19.16	12.41	8.069	1.26	7.76	30.9	0.78
1155	2250	19.32	12.43	8.079	0.90	7.69	34.2	0.74
1159	3000	19.41	12.43	8.082	0.873	7.66	32.1	0.68
1203	3750	19.55	12.44	8.084	0.67	7.64	30.0	0.66
	4500							
	5250							
1210 - Sample								

NOTES: SET-UP, PUMP SET @ 82.5, DRAWDOWN SET @ 75.47, CONTROLLER SET @ MN

REFILL 10, DISCHARGE 10 PSI 40 START PURGE 1138 1st WATER @ 1142

Finish 1230 Total time 0.42, Initial Drawdown 74.55 Final Drawdown 75.10

DATE: 3-12-12 PERSONNEL: B. Davis, A. Jenness

WELL ID: HMW-59

AIR TEMP: 68°F °C REL. HUM: 25 %

WEATHER COND: P. Cloudy 0-5mph breeze

PUMP #: 000034 WATER QUALITY METER USE #: 000012

DRUM: Comp WATER LEVEL IND: # 000018

GEN HAS: Ø TURBIDITY METER #: 000011

WELL TD: 83.00 ft DTSW (BGS): 71.10 ft.

DTW (TOC): 74.30 ft. ~~WATER COL.~~ BTD

LOC: 3.20 ft. ~~COL. VOL.~~ BTD

WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)

TEMP: 20.77 °C DO: 4.01 mg/L TURB: 0.79 NTU

COND: 12.96 mS/cm PH: 7.68

TDS: 8.424 g/L ORP: 24.4 mV

SAMPLE DATE: 3-12-12

TIME: 1325

ID: HLSF-3839-HMW-059-0312

Equipment Blank: HLSF-3839-RB-001-0312

1415

Date: 3-12-12 Well ID: HMW-59

Time	Vol mL	Temp °C	Cond mS/cm	TDS g/L	DO mg/L	pH	ORP mV	Turb NTU
1302	init	20.59	12.96	8.425	4.55	7.89	22.3	2.04
1306	750	20.56	12.94	8.412	4.17	7.67	23.5	1.21
1310	1500	20.65	12.94	8.414	4.03	7.76	23.9	0.83
1315	2250	20.72	12.97	8.429	4.04	7.76	23.9	1.09
1319	3000	20.77	12.96	8.424	4.01	7.68	24.4	0.79

1325 - Sample

Setup: Pump Set @ 75 ft Drawdown Set @ 75.20 ft Controller Setp MN

Refill 20 Discharge 10 PSI 45 Start Purge 1253 1st water 1258

Finish 1342 Total time 0:49 Initial Drawdown 74.35 Final Drawdown 74.55

DATE 3-12-12 PERSONNEL: B. Davis, A. Jenness

WELL ID: HMW-32

AIR TEMP: 72°F °F REL. HUM: 25 %

WEATHER COND: P. Cloudy - 0-5 mph breeze

PUMP #: 000034 WATER QUALITY METER YSI #: 000012

DRUM: -15 gal comp WATER LEVEL IND #: 000018

GEN HRS: Ø TURBIDITY METER #: 000011

WELL TD: 89.00 ft DTSW (log S): 70.38 ft

DTW (TOC): 72.81 ft. WATER COL: BTD

LOC: 2.43 ft COL VOL: BTD

WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)

TEMP: 21.35 °C DO: 1.68 mg/L TURB: 0.36 NTU

COND: 12.11 mS/cm PH: 7.64

TDS: 7.875 g/L ORP: 15.6 mV

SAMPLE DATE: 3-12-12

" TIME: 1540

" ID #: HLSF-3839-HMW-032-0312

Date: 3-12-12 Well ID: HMW-32

Time	mL Vol	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb
1513	init	22.10	12.20	7.928	3.36	7.49	20.0	0.82
1518	750	21.35	12.18	7.1916	2.12	7.54	18.6	0.32
1522	1500	21.16	12.16	7.905	1.73	7.58	18.2	0.24
1526	2250	21.38	12.12	7.875	1.67	7.64	16.5	0.28
1531	3000	21.35	12.11	7.875	1.68	7.64	15.6	0.36

1540 - Sample

Set up: Pump Set @ 82 ft, Drawdown set @ 73.81 ft, Controller Set @ MN,
Refill 20, Discharge 10, PSI 40, Start Purge 1504, 1st water 1508
Finish 1615, Total Time 1:19, Initial Drawdown 73.01, Final Drawdown 73.23