Date: 1-30-12 Personnel: B. Davis, A. Jennes, R. Wine

Well ID: MPL-4

Air Temp: 61°F

Weather: Clear

Pump: 11290 Water Qual Meter: 79

Drum: 55 gallon Water Level Ind.: 94

Turb. Meter: 78

TD: 224.62 ft. DTW (bgs): 186.32 ft.

DTW (TOC) 188.59 ft. Water Col: 36.03

LOC: 2.27 ft. Col Vol: 23.52 gal

Well Size: 4"

Sample Parameters

Temp: 21.61 °C DO: 4.45 mg/L Turb: 2.36

Cond: 0.669 mS/cm pH: 8.03 CO_2: 18

TDS: 0.435 g/L ORP: 134.9 mV Ferrous Fe: 0.02

Sample Date: 1-30-12

Sample Time: 1355

ID: MPL4-0112-1

MPL4-0112-ms

MPL4-0112-msd

Date: 1-30-12 Well ID: MPL-4

Time	mL Vol	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb
1335	init	19.66	0.669	0.422	16.60	7.98	120.5	2.93
1340	750	20.76	0.662	0.430	5.21	8.04	113.4	2.41
1343	1500	21.23	0.666	0.433	4.72	7.81	126.6	2.35
1347	2250	21.42	0.668	0.434	4.58	8.04	118.1	3.04
1352	3000	21.51	0.668	0.434	4.47	8.00	130.0	1.87
1354	3360	21.61	0.669	0.435	4.45	8.03	134.9	2.36
1355	SAMPLE							

Setup: Pump Set @ 114 Drawdown Set @ 149.54 Cont. Set @ 56

Refill 14 Discharge 16 PSI 100 Start Purge 1520 1st Stabilized 1337

Finish 1604 Total 2:44 Initial Drawdown 188.75 Final 188.48

Date: 1-30-12 Personnel: B. Davis, A. Jenness, R. Wu

Well ID: MPL-2

Air Temp: 58°F

Weather: Clear - Cold

Pump: 11289 Water Qual Meter: 79

Drum: 55gal comp Water Level Ind: 94

Turb Meter: 78

TD: 220.99 ft DTW (bgs): 196.53 ft

DTW (TOC) 198.72 ft Water Col.: 22.27 ft

LOC: 2.19 ft Col. Vol.: 14.54 gal

Well size: 4"

Sample Parameters

Temp: 20.99°C DO: 4.46 mg/L Turb: 1.26 NTU

Cond: 0.465 mS/cm pH: 8.40 CO2: 8.0 mg/L

TDS: 0.302 g/L ORP: 129.3 mV Ferrous Fe: 0.01 mg/L

Sample Date: 1-30-12

Time: 1705

ID: MPL 2-0112-1

Date: 1-30-12 Well ID: MPL-2

Time	Vol (mL)	Temp (°C)	Cond (mS/cm)	TDS (g/L)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)
1645	Init	20.89	0.470	0.305	6.26	8.47	92.8	4.40
1649	750	21.24	0.465	0.303	4.90	8.44	103.8	3.03
1653	1500	21.09	0.465	0.303	4.55	8.42	114.9	2.00
1658	2250	20.99	0.465	0.302	4.46	8.40	129.3	1.26

1705 - sample

Setup: Pump set @ 208, Drawdown set @ 199.72, Cont. set @ 56

Refill 14, Discharge 16, PSI 100, Start Purge 1629, 1st water 1641

Finish 1745, Total 1:16, Initial Drawdown 198.85, Final Drawdown 198.78

1-31-12

Date: ~~MPL 3~~ BTD Personnel: B. Davis

Well ID: MPL-3

Air Temp: 46°F

Weather: clear

Pump: 11286 Water Qual. Meter: 79

Drum: 55gal Comp Water Level Indr: 94

Turb. Meter: 78

TD: 230.65 ft DTW (bgs): 190.52 ft

DTW (TOC) 192.49 ft Water Col: 38.16 ft.

LOC: 1.97 ft Col. Vol: 24.9 gal

Well Size: 4"

Sample Parameters

Temp: 20.22°C DO: 3.67 mg/L Turb: 1.00 NTU

Cond: 0.565 mS/cm pH: 8.04 CO2: 10 mg/L

TDS: 0.367 g/L ORP: 149.0 mV Ferrous Fe: 0.00

Sample Date: 1-31-12

Time: 1015

ID: MPL 3-0112-1

MPL 3-0112-2

Date: 1-31-12 Well ID: MPL-3

Time	mL Vol	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ~~mg/L~~ ORP	NTU TURB
0935	init	16.79	0.580	0.377	4.67	7.27	141.4	4.66
0941	750	18.68	0.565	0.367	3.91	7.74	147.3	3.63
0947	1500	19.45	0.566	0.368	3.77	7.89	134.3	2.66
0953	2250	19.55	0.566	0.368	3.71	7.94	130.8	1.71
0959	3000	19.56	0.566	0.368	3.65	7.99	150.7	1.34
1005	3750	20.22	0.565	0.367	3.67	8.04	149.0	1.00

1015 - Sample

Setup: Pump set @ 215, Drawdown set @ 193.49, Cont. Set @ 56

Refill 14, Discharge 16, PSI ~~90~~ 100, Start Purge 0914, 1st water 0931

Finish 1330, Total Time 3:44, Initial Drawdown 192.55, Final Drawdown 192.60

Date: 1-31-12
Well ID: MPL-1

Air Temp: 63°F
Weather: overcast

Pump: 11289 Water Qual Meter: 79
Drum: 55gal Water Level Ind: 94
Turb Meter: 78

TD: 222.75 ft DTW(bgs): 203.28 ft
DTW(TOC): 205.25 ft Water Col: 17.5 ft
LOC: 1.97 ft Col Vol: 11.4 gal
Well size: 4"

Sample Parameters

Temp 21.89°C DO 4.18 mg/L Turb 2.03 NTU
Cond 0.341 mS/cm pH 8.48 CO_2: 8.0 mg/L
TDS 0.222 g/L ORP 57.9 Ferrous Fe: 0.01 mg/L

Sample Date: 1-31-12
Time: 1500
ID: MPL 1-0112-1

Date: 1-31-12 Well ID: MPL-1

Time	mL Vol	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ~~mg/L~~ ORP	NTU Turb
1426	init	20.78	0.352	0.229	4.77	8.42	45.5	2.40
1430	750	21.54	0.343	0.223	4.33	8.49	41.2	1.88
1435	1500	21.80	0.341	0.222	4.24	8.49	54.0	2.06
1440	2250	21.89	0.341	0.222	4.19	8.50	60.2	2.01
1445	3000	21.96	0.341	0.221	4.11	8.49	58.4	1.94
1450	3750	21.89	0.341	0.222	4.18	8.48	57.9	2.03

1500 - Sample

Setup: pump set @ 210, Drawdown set @ 206.25, Cont. set @ 56
Refill 14, Discharge 16, PSI 100, Start purge 1405, 1st water 1422
Finish 1545, Total time 1:40, Initial Drawdown 203.30, Final 205.30