Winter 2012 STP

1-17-2012 A Jennings, B Davis

WELL ID	DTW(TOC)	TD(TOC)	TIME
MPL-1	205.48	222.75	1144
MPL-2	199.00	220.99	1649
MPL-3-QC	192.63	230.65	1255
MPL-4 MS/MSD	188.70	227.62	1313
• MPL-5 -T	186.23	208.54	1215
• MPL-6 -T	172.11	193.23	1330
• MPL-7 -QC +	179.47	218.13	1348
• MPL-10	241.46	278.21	1105
• MPL-13	218.47	236.91	1122
• MPL-16 MS/MSD	234.88	257.83	1442
• MPL-17 -T	176.97	191.20	1354
• MPL-18 -T	171.91	231.84	12:42
MPL-19 -D	194.24	—	1307
MPL-20-QC -D	193.21	322.60	1300
MPL-21-MS/MSD-D	190.14	—	1207
MPL-22 -D	189.30	311.11	1200
MPL-23-~~QC~~ BTD -D	243.43	—	1553
MPL-24 -D	238.93	317.21	1110
MPL-25 -D	256.80	278.17	1512
• MPL-26	217.04	258.10	1521
• MPL-28	184.82	203.55	1330
• MPL-29	215.62	227.98	1503
• MPL-30	199.67	223.40	1450
SMW-1 -D	211.93	288.95	1557
SMW-4 -D	254.58	281.90	1553

1-17-2012

WELL ID	DTW(TOC)	TD(TOC)	TIME
• T-40 -T	128.71	143.55	1404
MPL-11	244.91	328.90	1035
SMW-2	257.12	282.45	1530
SMW-3	258.53	278.10	1600
MPL-14	205.69	233.30	1150
T-35	216.52	271.70	1635
B-02	Dry	62.65	1139
B-04	217.99	252.91	1002
MPL-8	247.80	278.35	1437
T-29	208.78	258.45	11:33
B-3	215.87	281.60	1528
T-11	281.08	—	1534
T-37	Could not open Lock.		
T-34	199.55	—	1424
MPL-15	243.15	243.40	1140
B-5	195.80	245.58	1037
B-51	151.11	—	1041
T-41	FLOODED		
T-42	FLOODED		
B-10	305.43	—	0941
MPL-27	256.60	298.25	1047
MPL-9	234.67	—	1101
MPL-12	208.70	208.83	0915

DATE: 1-18-2012 PERSONNEL: B. DAVIS A. JENNESS

WELL ID: ~~MPL-21~~ MPL-05

AIR TEMP: 64°F RELATIVE HUMIDITY:

WEATHER COND: CLEAR

PUMP #: ~~[illegible]~~ 11286 BTD WATER QUALITY METER YSI # 79

DRUM: COMP SS WATER LEVEL IND#: 94

TURBIDITY METER #: 78

GEN HRS: N/A

WELL ID: 208.54 DTW (bgs): 184.25

DTW (TOC) 186.23 WATER COL: 22.31'

LOC: 1.98 COL VOL 14.57 gal

WELL SIZE: 4"

SAMPLE PARAMETERS @ TIME OF COLLECTION

TEMP: 21.79°C DO: 5.79 gL TURB: 0.31 NTU

COND: 0.471 mS/cm pH: 7.78 CO2 8.75 mg/L

TDS 0.306 mg/L ORP: 3.9 MV IRON: 0.00 mg/L

SAMPLE DATE: 1-18-12

" TIME: 1515

" ID#: MPL 05-0112-1

DATE: WELL ID#: PERSONNEL: B. DAVIS, A. JENNESS

TIME	VOL	°C TEMP	mS/cm COND	mg/L TDS	g/L DO	pH	MV ORP	NTU TURB
1427	INIT	21.23	0.492	0.320	840 ~~94.~~	7.96	18.8	0.31
1435	750mL	21.19	0.478	0.311	6.79	7.78	8.8	0.26
1441	1500mL	21.50	0.475	0.309	6.46	7.62	15.5	0.31
1447	2250mL	21.63	0.474	0.308	6.16	7.76	8.0	0.25
1455	3000mL	21.66	0.472	0.307	6.06	7.86	4.7	0.35
1501	3750mL	21.75	0.471	0.306	6.03	7.80	2.6	0.45
1509	4500mL	21.79	0.471	0.306	5.79	7.78	3.9	0.31
1515	SAMPLE							

NOTES: SET-UP, PUMP SET @ 193, DRAW DOWN SET @ 187.23, CONTROLLER SET @ 56 ID

REFILL 14, DISCHARGE 16, PSI 195, START PURGE 1400, 1ST WATER 1423

FINISH 1530, TOTAL 1:30, INITIAL DRAW DOWN 186.30, FINAL 186.03

Date: 1-19-2012 Personnel: B. Davis
Well ID: MPL-06

Air Temp: 58° F
Weather: clear

Pump #: 11289 Water Quality Meter: 79
Drum: 55 gal Comp Water Level Ind. 94
Turb. Meter: 78

Well TD 193.00 DTW(bgs) 169.50
DTW (TOC) 172.11 Water Col: 20.89
LOC: 2.61 Col. Vol: 13.64 gal
Well Size: 4"

Sample Parameters @ time of Collection
Temp 20.06 °C DO 5.14 g/L TURB 0.34 NTU
Cond 0.312 mS/cm pH 8.27 CO_2 12 mg/L
TDS 0.203 mg/L ORP 80.3 MV Ferrous Fe ~~0.00~~ mg/L 0.00 DTD

Sample Date: 1-19-12
" Time: 1146
" ID: MPL06-0112-1

Date: Well ID# MPL-06

Time	mL Vol	Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	ORP	Turb
1022	Init	15.74	0.331	0.215	37.39	8.01	-6.3	
1026	750	17.25	0.338	0.219	15.63	10.02	-135.2	
- Had to re calibrate YSI, Changed Probe,								
1118 - Restart - First water - 1121 -								
1125	Init	16.32	0.330	0.214	5.85	8.68	114.9	0.52
1129	750	18.89	0.312	0.203	5.45	8.42	103.6	0.84
1134	1500	19.70	0.312	0.203	5.27	8.28	80.6	0.35
1139	2250	20.10	0.312	0.203	5.21	8.26	78.4	0.34
1143	3000	20.06	0.312	0.203	5.14	8.27	80.3	0.34
1146 - Sample -								

Notes: Set-up Pump set at 178 Drawdown Set @ 173.11
Controller Set @ 56 Refill 24 Discharge 16 PSI 45 Start Purge 1014
1st Water 1024 Finish 1205, Total 1:51 Initial Drawdown 172.05 Final 172.09

Date: 1-19-12 Personnel: B. Davis
Well ID: MPL-07

Air Temp: 70°F
Weather: clear

Pump: 11290 Water Quality Meter: 79
Drum: 55gal Water Level Ind: 94
Turb Meter: 78

Well TD: 218.13 DTW (bgs): 177.05
DTW (TOC) 179.47 Water Col: 38.66 ft
Loc: 2.42 Col. Vol: 25.24 gal
Well Size: 4"

Sample Parameters (at time of Sample)
Temp 23.22°C DO: 4.09 mg/l Turb: 0.21 NTU
Cond 0.866 ms/cm pH: 7.97 CO_2: 18 mg/l
TDS: 0.563 g/L ORP: 131.6 mV Ferrous Fe: 0.02 mg/l

Sample Date: 1-19-12
" Time: 1423
ID: MPL07-0112-1
MPL07-0112-2
Duplicate

Date: 1-19-12 Well ID MPL-07

Time	mL Vol	°C Temp	ms/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb
1340	Init	21.98	0.422	0.275	23.08	8.25	103.1	0.79
1344	750	22.48	0.859	0.559	4.83	7.49	130.3	0.28
1350	1500	22.93	0.864	0.562	4.33	7.98	129.5	0.40
1356	2250	22.95	0.867	0.563	4.27	7.98	129.0	0.27
1401	3000	23.09	0.867	0.563	4.14	8.35	121.7	0.16
1408	3750	23.20	0.867	0.563	4.15	7.99	133.2	0.33
1411	4500	23.26	0.866	0.563	4.15	7.99	131.2	0.20
1416	6250	23.22	0.866	0.563	4.09	7.97	131.6	0.21
1423	Sample							

Notes: Set up Pump Set @ 199.13 Drawdown Setp 180.20 Cont. Setp 56
Refill 14 Discharge 16 psi 95 Start Purge 1331 1st Water 1338
Finish 1448, Total time: 1:17, Initial Drawdown 177.55, Final 179.85

Date: 1-20-12 Personnel: B. Davis A. Jenness
Well ID: MPL-18

Air Temp: 46°F
Weather: Clear

Pump: 11286 Water Qual. Meter: 79
Drum: 55 gal Comp Water Level Ind.: 94
Turb Meter: 78

Well TD: 231.84 DTW (bgs): 170.06 ft
DTW (TOC): 171.61 * Water Col: 60.23 ft
Loc: 1.55 ft. Col. Vol: 39.33 gal
Well Size: 4"

SAMPLE PARAMETERS (at time of sample)
TEMP: 22.47 °C DO: 1.92 mg/L TURB: 1.60 NTU
COND: 0.261 ms/cm pH: 8.94 CO_2: 10 mg/L 0.02 mg/L
TDS: 0.169 g/L ORP: -36.7 mV FERRUSTRON!

SAMPLE DATE: 1-20-12
" TIME: 1030
" ID: MPL 18-0112-1

* DTW including pump displacement.

DATE: 1-20-2012 WELL ID: MPL-18

TIME	AL VOL	°C TEMP	ms/cm COND	g/L TDS	mg/L DO	pH	mV ORP	NTU TURB
0959	Init.	20.68	0.252	0.164	~~7.0~~ 6.28	9.46	-23.1	1.95
1005	750	21.57	0.258	0.168	1.84	8.98	-31.9	1.88
1010	1500	21.96	0.259	0.169	1.62	8.90	-34.5	1.82
1014	2250	22.14	0.260	0.169	1.72	8.87	-34.3	1.87
1019	3000	22.27	0.261	0.169	1.79	8.84	-34.0	1.79
1024	3750	22.47	0.261	0.169	1.92	8.94	-36.7	1.60

1030 - Sample

Notes: Setup Pump Set @ 212, Drawdown set @ 172.61, Controller Set @ 56
Refill 14, Discharge 16, PSI 95, Start Purge ~~0924~~ BTOI 0953, 1st Water 0956
Finish 1050, Total Time 0:57, Initial Drawdown 171.72, Final 171.80

Date: 1-20-12 Personnel: A. Jenness, B. Davis

Well ID: T-40

Air Temp: 66° F

Weather Clear

Pump: 11289 WATER QUALITY METER: 74

Drum: 55 gal WATER LEVEL INDICATOR: 94

TURB METER: 78

Well TD: 143.55 DTW (bgs): 126.02

DTW (TOC): ~~128.46~~ 129.46 * WATER COL: 15.09 ft.

COL: 2.44 COL VOL: 9.85 gal

WELL SIZE: 4"

SAMPLE PARAMETERS

TEMP °C: 21.58 °C DO: 4.06 mg/L TURB: 0.92 NTU

COND: 0.334 mg/cm pH: 7.78 CO_2: 6 mg/L

TDS: 0.217 g/L ORP: -29.2 mV FERROUS IRON: 0.00 mg/L

SAMPLE DATE: 1-20-2011

" TIME: 1210

" ID: T40-0112-1

* DTW including pump displacement

DATE: 11-20-2011 WELL ID: T-40

TIME	mL VOL	°C TEMP	mg/cm COND	g/L TDS	mg/L DO	pH	mV ORP	NTU TURB
11:47	INIT	21.36	0.333	0.216	5.63	7.96	-16.7	1.66
11:50	750	21.49	0.335	0.217	5.34	7.93	-25.2	1.16
1155	1500	21.57	0.334	0.217	5.19	7.82	-27.3	1.57
12:00	2250	21.58	0.334	0.217	5.10	7.75	-27.2	1.25
12:04	3000 3750	21.58	0.334	0.217	4.06	7.78	-29.2	0.92

Sample: 1210

NOTES SET UP PUMP SET @ 130.5 DRAWDOWN SET @ 129.46 CONTROLLER SET @ 55

REFILL 14 DISCHARGE 16 PSI 90 START PURGE 1140 1ST WATER 1144

FINISH 1220 TOTAL TIME 0:40 INITIAL DRAW DOWN 128.6 FINAL 129.65

B. Davis

Date: 1-20-12 personnel: A. Jennes

Well ID: MPL-17

Air Temp: 70°F

Weather - Clear - windy - 10-15 mph

pump: 11286 Water Quality meter: 79

Drum: 55 gal Composite Water Level Ind.: 94

Turb. meter: 78

Well TD: 191.20 ft DTW (bgs): 175.62 ft.

DTW (TOC): 176.76 ft.* Water Col: 14.44 ft.

LOC: 1.14 ft. Col. Vol: 9.43 gal

Well Size: 4"

Sample Parameters (at time of Sample Collection)

Temp: 22.61 °C DO: 5.12 mg/L Turb: 0.44 NTU

Cond: 0.387 mS/cm pH: 7.91 CO_2: 12 mg/l

TDS: 0.251 g/L ORP: -16.6 mV Ferrous Fe: .00 mg/l

Sample Date 1-20-12

" Time: 1345

" ID: MPL17-0112-1

* DTW including pump displacement

Date: 1-20-12 Well ID: MPL-17

Time	mL Vol Ini.	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb
1319		22.37	0.381	0.248	5.74	8.21	-18.2	1.29
1323	750	22.61	0.384	0.250	5.34	8.06	-16.5	0.69
1327	1500	22.64	0.386	0.251	5.06	8.04	-20.9	0.54
1331	2250	22.64	0.386	0.251	4.94	7.95	-18.1	0.58
1335	3000	22.60	0.387	0.251	5.06	7.94	-17.2	0.50
1339	3750	22.61	0.387	0.251	5.12	7.91	-16.6	0.44

Sample 1345

Start up: Pump set @ 206 Drawdown Set @ 177.76 Cont. Set @ X56

Rate 14 Discharge 16 PSI 90 Start Purge 1313 1st water 1317

Finish 1355 Total Time 0:42 Water Initial Drawdown 176.82 Final DD 176.70

Date: 1-23-12 personnel: B. Davis, A. Jenness
Well ID: MPL-28

Air Temp: 59°F
Weather: Clear - breeze 0-5mph

Pump: 11286 Water Qual. Meter: 79
Drum: 55gal Comp. Water Level Ind.: 94
Turb. Meter: 78

Well TD: 203.55 ft DTW (bgs)*: 182.99 ft
DTW (TOC): 185.54 ft* Water Col.: 18.01 ft
LOC: 2.55 ft Col. Vol.: 11.76 gal
Well Size: 4"

Sample Parameters (at time of sample collection)
Temp: 21.69 °C DO: ~~4.7~~ 4.17 mg/L BTD Turb: 0.42 NTU
Cond: 0.639 mS/cm pH 8.68 CO_2: 10 mg/L
TDS: 0.415 g/L ORP 138.4 mV Ferrous Fe: 0.01 mg/L

Sample Date: 1-23-12
" Time: 1300
" ID: MPL28-0112-1

* DTW Including Pump Displacement

Date: 1-23-12 Well ID: MPL-28

Time	mL Vol	°C Temp	ms/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb
1231	1214	20.92	0.602	0.391	4.89	8.64	116.8	0.50
1235	750	21.37	0.627	0.407	4.44	8.54	122.7	1.14
1240	1500	21.55	0.632	0.411	4.33	8.71	123.3	0.57
1244	2250	21.62	0.635	0.413	4.23	8.76	123.7	0.47
1249	3000	21.83	0.637	0.414	4.17	8.73	138.6	0.64
1253	3750	21.69	0.639	0.415	4.17	8.68	138.4	0.42

1300 Sample

Note: Had to cut ~10 ft of air line at surface due to puncture - Length of hose set at location of pump (sample location)

Notes: Setup - Pump Set @ 199, Drawdown set @ 186.54, Cont. set @ 56 ID
Refill 14, Discharge 10, PSI 45, Start Purge 1227 @ 1229 Water 1229
Finish 1320, Total Time 0:55, Initial Drawdown 185.83, Final Drawdown 184.

Personnel: B Davis
A. Sennness

Date: 1-23-2012 – Retry 1-24-11

Well ID: MPL-10

Air Temp: 62°F 1-24-46° 10-15 mph wind overcast

Weather: Clear breeze 0-5 MPH

Pump: 11289 Water quality meter: 79

Drum: 55 Gal Comp: Water level ind.: 9/

Turb meter: 78

Well TD: 278.21 ft DTW (bgs): 239.12 ft

DTW (TOC): 241.08 ft* Water col: 37.13 ft

LOC: 1.96 ft Col vol: 24.24 gal

Well size: 4"

Sample parameters (at the time of sample)

Temp: 17.65°C DO: 4.48 mg/L Turb: 0.44 NTU

Cond: 0.439 mS/cm pH: 7.80 Cl2: 8.0 mg/l

TDS: 0.286 g/L ORP: 70.7 mV Ferrous iron: 0.01 mg/l

Sample Date 1-24-12

Time 0850

ID: MPL10-0112-1

* DTW including pump displacement

1-24-11 – Retry

Date: 1-22-2011 Well ID: MPL-10

Time	Vol mL	Temp °C	Cond mS/cm	TDS g/L	pH	ORP mV	DO mg/L	NTU Turb
0810	Init	15.21	0.430	0.279	7.13	61.4	5.17	0.78
0818	750	16.45	0.437	0.284	7.50	58.7	4.71	0.73
0823	1500	16.69	0.439	0.285	7.62	50.4	4.70	0.52
0828	2250	16.97	0.439	0.285	7.65	59.5	4.61	0.38
0833	3000	17.61	0.438	0.285	7.74	62.5	4.70	0.63
0839	3750	17.79	0.439	0.285	7.78	68.4	4.57	0.55
0845		17.65	0.439	0.286	7.80	70.7	4.48	0.44
0850	Sample							

Note: Blew bladder first start. – blew 2 more – Stop for day.

Begin freshen 1-24-11

Setup. – Pump set @ 258 Bailer set @ 241.08 Coat set @ 1 ID MW 35

Remove 15 Discharge 15 PSI 115 Start Bleed 0754 145 1429 1375 1st Water 1128 0804

Finish 1200 0905 Total 1:11 Initial Depth 241.20 Final Depth 241.55

Date: 1-24-12 Personnel: B. Davis
Well ID: MPL-13

Air Temp: 50°F
Weather: Cloudy - rain -
Pump: 11286 Water Qual. Meter: 79
Drum: 55gal Comp. Water Level Ind: 94
Turb Meter: 78

Well TD 236.91 ft DTW(bgs): 215.16 ft
DTW(TOC): 217.98 ft* Water Col: 18.93 ft
LOC: 2.82 ft Col. Vol: 12.36 ft
Well size: 4"

Sample Parameters (at time of Collection)

Temp: 18.89°C DO 5.30 mg/L Turb: 5.29 NTU
Cond: 0.329 mS/cm pH 8.15 CO_2: 8.0 mg/L
TDS: 0.214 g/L ORP 15.0 mV Ferrous Fe: 0.04 mg/L

Sample Date: 1-24-12
Time: 1220
ID: MPL13-0112-1

* DTW including pump displacement

Date: 1-24-12 Well ID: MPL-13

Time	Vol	Temp °C	Cond mS/cm	TDS g/L	DO mg/L	pH	ORP mV	Turb NTU
1147	init	16.80	0.324	0.210	13.96	8.21	20.0	5.01
1151	750	18.15	0.326	0.212	6.53	8.22	28.1	6.96
1157	1500	18.48	0.328	0.213	5.39	8.19	16.9	6.47
1203	2250	18.62	0.328	0.213	5.39	8.17	17.4	5.36
1208	3000	18.83	0.328	0.213	5.28	8.16	16.3	5.25
1213	3750	18.89	0.329	0.214	5.30	8.15	15.0	5.29

1220 Sample

Setup: Pump set @ 224, Drawdown set @ 218.98 Cont. set @ 56, 1143
Refill 14 Discharge 16, PSI 110, Start Purge ~~1030~~ 1143 1st water ~~1045~~
Finish 1235, Total 1:23, Initial Drawdown 217.23, Final Drawdown 218.50

Date: 1-24-12 Personnel: B. Davis

Well ID: MPL-16

Air Temp: 52°F

Weather: Overcast - rain

Pump: 11286 Water Quality meter: 79

Drum: 55 gal Comp Water Level Ind: 94

Turb Meter: 78

Well TD: 257.83 ft DTW (bgs) BTD 233.00 ~~215.55~~ ft

DTW (TOC) 234.35 ft* Water Col BTD ~~19.45~~ F 23.48

LOC BTD ~~2.88~~ ft 1.35 Col Vol 15.33 gal.

Well Size: 4"

Sample Parameters

Temp: 16.12°C DO: 5.45 Turb: 0.45

Cond: 0.404 pH: 7.92 CO_2: 14 mg/L

TDS: 0.263 ORP: 13.2 Ferrous Fe: 0.00

Sample Date: 1-24-12

Time: 1420

ID: MPL16-0112-1

MPL16-0112-MS

MPL16-0112-MSD

*DTW including pump displacement

Date: 1-24-12 Well ID: MPL-16

Time	Vol	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb
1342	init	15.81	0.401	0.261	5.47	7.99	2.38	2.66
1347	750	16.10	0.403	0.262	5.59	7.99	0.3	1.57
1353	1500	16.25	0.404	0.263	5.51	7.98	6.0	1.18
1358	2250	16.16	0.405	0.263	5.39	7.96	10.0	0.62
1405	3000	15.98	0.405	0.263	5.44	8.03	12.9	0.75
1411	3750	16.12	0.404	0.263	5.45	7.92	13.2	0.45
	4500							

1420 - Sample

Setup: Pump set @ 242 Drawdown set @ 235.35 Cont. Set @ 56

refill 14, Discharge 16, PSI 115 Start Purge 1317, 1st Water 1337

Finish 1620, Total time 3:03, Initial Drawdown 234.50, Final Drawdown 234.6

DATE: 1-25-2012 PERSONNEL: B. DAVIS
WELL ID: MPL-30 A. JENNINGS
R. WU

AIR TEMP: 48
WEATHER: CLEAR WIND 10-15 MPH

PUMP: 10373 WATERQUALITY METER 79
DRUM: 55 GAL WATERLEVEL IND: 94
TURB METER: 78

WELLID: MPL-30
DTW(TOC): 199.45* DTW(bgs): 196.92 ft
LOC 2.48 ft. WATERCOL: 23.95 ft
WELLSIZE 4" COLIDX: 15.64 gal
WELL TD: 223.40 ft

SAMPLE PARAMETERS

TEMP: 14.38 °C DO: 5.06 mg/L TURB 140 NTU
COND: 0.554 mS/cm pH 7.67 CO_2 10 mg/L
TDS: 0.360 g/L ORP 82.6 mV FERROUS FE: 0.00 mg/L

SAMPLE ID MPL30-0112-1
TIME: 1115
DATE: 1-25-2012

* DTW including pump displacement

DATE: 1-24-12 WELL ID: MPL-30

TIME	mL/min	TEMP °C	COND mS/cm	TDS g/L	DO mg/L	pH	ORP mV	TURB NTU
9:50	INIT	12.28	0.554	0.360	6.61	6.84	161.9	7.07
9:55*	460	13.49	0.556	0.3565	5.50	7.11	130.7	1.95
1050	~~1400~~ INIT	1354	0.513	0.334	6.54	7.70	70.1	7.44
1056	~~1250~~ 350	1377	0.528	0.343	5.88	7.62	81.8	1.87
1101	~~700~~ 700	14.02	0.538	0.350	6.53	7.72	88.0	1.40
1106	~~350~~ 950	14.22	0.549	0.357	5.40	7.71	89.7	1.62
1111	1200	14.38	0.554	0.360	5.06	7.67	82.6	1.40
1115 - SAMPLE								

* BLADDER RECOVERY AGJ
SETUP: PUMP SET @ 20.04 DRAW DOWN SET @ 20.45 CONT SETUP 56
REFILL 14 DISCHARGE 10 PSI 95 START PURGE 1023 1ST LAST 1024 AGJ
FINISH 1135 TOTAL TIME 1106 INIT AL DRAWDOWN 199.75 FINAL DRAWDOWN 200.25

Date: 1-25-12 Personnel: A. Jenness, B. Davis, R. Wu

Well ID: MPL-29

Air Temp: 52°F

Weather: Clear - 15-20mph wind

Pump: ~~1073~~ 1289 BTD Water Quality Meter: 79

Drum: 55 gal Water Level Ind: 94

Turb. Meter: 78

TD: 227.98

DTW (TOC) 215.51 * ft DTW (bgs): 213.24 ft

LOC 2.27 ft Water Col: 12.47 ft

Well Size: 4" Col Vol: 8.14 gal

Sample Parameters

Temp: 20.72 °C DO 4.54 mg/L Turb: 1.75 NTU

Cond: 0.614 mS/cm pH 7.85 CO_2 16 mg/L

TDS: 0.399 g/L ORP 86.3 mV Ferrous Fe: 0.02 mg/L

Sample ID: MPL 29-0112-1

Time: 1350

Date: 1-25-12

* DTW including pump displacement

Date: 1-25-12 Well ID: MPL-29

Time	mL VOL	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb
1324	init	18.23	0.451	0.293	31.33	7.67	27.3	2.19
1329	750	19.57	0.575	0.374	6.54	7.82	50.4	2.24
1333	1500	20.34	0.604	0.392	5.16	7.87	77.4	2.20
1337	2250	20.45	0.611	0.397	4.77	7.86	83.1	2.00
1341	3000	20.60	0.613	0.398	4.64	7.85	77.5	1.94
1345	3750	20.72	0.614	0.399	4.54	7.85	86.3	1.75

1350 Sample

Set up: Pump Set @ ~~216.12~~ 219 BTD Drawdown Set @ 216.51 Cont. Set @ 55

Refill 15, Discharge 15', PSI 105, Start Purge ~~1215~~ 1302 ~~1239~~, 1st water 1319

Finish 1415, Total Time 1:13, Initial Drawdown 215.59, Final Drawdown 216.53

Date: 1-25-12 Personnel: [illegible]
Well ID: MPL-26 B Davis
RWY

Air Temp: 57°F
Weather: Clear - 0.5 mph wind

Pump: 11286 Water Qual. Meter: 79
Drum: 55 gal Water Level Ind: 94
Turb meter: 78

TD 258.10 ft DTW (bgs) 214.53 ft
DTW (Toc) 210.95 ft* Water Col. 41.15 ft
LOC 2.42 ft Col Vol. 26.87 gal
Well Size: 4"

Sample Parameter

Temp: 20.33°C DO 6.19 mg/L Turb. 2.68 NTU
Cond 1.276 mS/cm pH 7.72 CO_2: 16 mg/L
TDS 0.829 g/L ORP -38.8 mV Ferrous Fe: 0.05 mg/L

Sample Date: 1-25-12
Time: 1525
ID: MPL26-0112-1

* DTW including pump displacement

Date: Well ID: MPL-26

Time	mL Vol	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb
1458	init	19.64	1.226	0.797	6.39	7.77	-35.2	4.55
1503	500	20.19	1.251	0.813	6.37	7.72	-35.1	3.30
1508	1000	20.36	1.264	0.821	6.33	7.29	-34.5	2.97
1513	1500	20.42	1.268	0.824	6.28	7.72	-37.6	2.71
1518	2000	20.33	1.276	0.829	6.19	7.72	-38.8	2.68

1525 - Sample

Setup: Pump Set @ 237.4, Drawdown set @ 217.95, Cont. Set @ 55
Refill 15, Discharge 15, PSI 115, Start Purge 1431, 1st Water 1453
Finish 1545, Total Time 1:14, Initial Drawdown 216.8, Final Drawdown 217.32