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WELL SAMPLING FIELD LOG

Date: BD ~~10~~ 10-30-13 Personnel: Bradley Davis

Well ID: MPL-13

Air Temp: 64°F Water Quality Meter: YSI pro plus MPS, s/n 11K110167

Weather: P.Cloudy -Windy Water Level Indicator: Solinst # Rental Model 101

Pump #: 11287 Turbidity Meter: Lutron TU2016 # 34074

Drum: Comp. Poly ~~30~~gl 55gal

Well TD: 236.94 ft. Well Size: (4") 2"

DTW (TOC): 218.62 ft. DTW (bgs): 215.80

LOC: 2.82 ft.

Date: 10-30-13 Well ID: MPL-13

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND µms/cm	TDS m g/l	DO mg/l	pH	ORP mV	TURB NTU
218.81	0921	In.	21.6	396.6	275.60	7.65	7.86	238.4	4.28
218.82	0926	750	21.8	396.4	274.30	7.62	7.96	237.9	3.49
218.83	0932	1500	21.7	395.3	274.30	7.64	7.97	237.1	3.34
218.84	0937	2250	21.8	396.4	274.30	7.62	7.97	238.8	3.31
218.85	0942	3000	21.7	395.0	274.30	7.65	7.97	238.8	3.17
		Final	Drawdown =		218.85 ft.				

Sample Parameters

Temp: 21.7°C ORP: 238.8 mV

Cond: 395.0 µS/cm Turbidity: 3.17 NTU

TDS: 274.30 mg/L CO_2: 10.0 mg/L

pH: 7.97 Fe^{2+}: 0.02 mg/L

Sample Date: 10-30-13 Time: 0945

ID: MPL 13-1013-1 ; Field Duplicate MPL 13-1013-2

Notes: Pump set @ 224' ,Start Purge @ 0905 ,1st Water @ 0916 ,ml's ,
Recharge @ 14 ,Discharge @ 16 ,PSI @ 110 ,
TIME START @ 0905 ,TIME FINISH @ 1028 ,TOTAL TIME = 1:23

Sampler Signature: Brady T. Davis

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WELL SAMPLING FIELD LOG

Date: 10-30-13 Personnel: Bradley Davis

Well ID: MPL-1

Air Temp: 74° F Water Quality Meter: YSI Pro Plus MPS, s/n 11K110167

Weather: p. Cloudy, Windy Water Level Indicator: Solinst # Model 101 Rental

Pump #: 11287 Turbidity Meter: Lutron TU2016 # 34074

Drum: Comp. Poly ~~30~~gl 55gal

Well TD: 222.81 ft Well Size: (4") 2"

DTW (TOC): 205.54 ft. DTW (bgs): 203.57 ft.

LOC: 1.97 ft.

Date: 10-30-13 Well ID: MPL-1

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ~~mS~~/cm µ	TDS Mg/l	DO mg/l	pH	ORP mV	TURB NTU
205.54	1231	In.	23.1°	391.1	265.85	7.45	7.83	169.7	16.14
205.55	1236	600	23.2	419.4	282.10	7.47	7.95	172.4	11.06
205.58	1241	1000	22.9	417.2	282.10	7.52	8.14	208.9	66.0
205.55	1246	1600	22.7	413.6	281.45	7.58	8.27	231.3	111.0
205.56	1251	2200	22.7	413.9	281.45	7.59	8.28	238.6	107.0
205.56	1256	2800	22.7	413.7	281.45	7.60	8.28	240.1	95.0
		Final drawdown =			205.58				

Sample Parameters

Temp: 22.7°C ORP: 240.1 mV

Cond: 413.7 µS/cm Turbidity: 95.0 NTU

TDS: 281.45 mg/L CO_2: 8.0 mg/L

pH: 8.28 Fe^{2+}: 0.02 mg/L

Sample Date: 10-30-13 Time: 1300

ID: MPL 1-1013-1

Notes: Pump set @ 210, Start Purge @ ~~1053~~ ~~1119~~ ~~1230~~ 1218, 1st Water @ ~~1101~~ 1230, ml's ,
Recharge @ 14, Discharge @ 16, PSI @ 100,
TIME START @ 1053, TIME FINISH @ 1315, TOTAL TIME —
Blew Bladders - restarted ~~1119~~ ~~1150~~ ~~1218~~ ~~1230~~

Sampler Signature: Brad Davis

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WELL SAMPLING FIELD LOG

Date: 10-30-13
Personnel: Bradley Davis
Well ID: MPL-18
Air Temp: 74°F
Water Quality Meter: YSI Pro Plus MPS, s/n 11K110167
Weather: overcast - windy
Water Level Indicator: Solinst # Model 101
Pump #: 11285
Turbidity Meter: Lutron TU2016 # 34074
Drum: Comp. Poly ~~30gl~~ 55gal
Well TD: 231.02 ft.
Well Size: (4") 2"
DTW (TOC): 171.99 ft.
DTW (bgs): 170.44 ft.
LOC: 1.55 ft.

Date: 10-30-13
Well ID: MPL-18

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ~~ms~~ µs/cm	TDS mg/l	DO mg/l	pH	ORP mV	TURB NTU
172.02	1357	In.	22.6	302.3	209.95	7.51	7.92	155.0	9.79
172.01	1402	400	22.5	318.0	217.10	7.55	7.78	165.3	5.21
172.02	1407	900	22.5	318.0	217.75	7.54	7.77	171.0	3.78
172.02	1412	1400	22.5	317.8	217.75	7.54	7.77	174.6	2.68
172.02	1417	1900	22.5	318.4	217.10	7.54	7.77	176.5	2.79
			Final drawdown = 172.02 ft.						

Sample Parameters

Temp: 22.5°C
ORP: 176.5 mV
Cond: 318.4 µS/cm
Turbidity: 2.79 NTU
TDS: 217.10 mg/L
CO_2: 8.0 mg/L
pH: 7.77
Fe^{2+}: 0.04 mg/L
Sample Date: 10-30-13
Time: 1420
ID: MPL 18-1013-1

Notes: Pump set @ 212, Start Purge @ 1343, 1st Water @ 1356, ml's ,
Recharge @ 14, Discharge @ 16, PSI @ 95-100
TIME START @ 1343, TIME FINISH @ 1443, TOTAL TIME 1:00

Sampler Signature: Bradley T. Davis

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WELL SAMPLING FIELD LOG

Date: 10-30-13 Personnel: Bradley Davis

Well ID: MPL-6

Air Temp: 73°F Water Quality Meter: YSI Pro Plus MPS, s/n 11K110167

Weather: Overcast- Windy Water Level Indicator: Solinst # Model 101

Pump #: 11287 Turbidity Meter: Lutron TU2016 # 34074

Drum: Comp. Poly ~~30gl~~ 55gal

Well TD: 193.00ft. Well Size: (4") 2"

DTW (TOC): 172.03 ft. DTW (bgs): 169.42 ft.

LOC: 2.61 ft.

Date: 10-30-13 Well ID: MPL-6

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ~~mS~~ µS/cm	TDS mg/l	DO mg/l	pH	ORP mV	TURB NTU
172.16	1512	In.	22.1	335.0	230.10	7.58	7.81	166.3	5.07
172.32	1517	700	22.1	333.1	229.45	7.58	7.78	172.0	2.11
172.29	1522	1200	22.1	333.3	229.45	7.61	7.82	174.1	3.40
172.32	1527	1700	22.1	333.0	229.45	7.64	7.84	174.8	3.22
172.32	1532	2200	22.1	332.8	228.80	7.65	7.87	173.8	3.01
			Final drawdown = 172.32 ft.						

Sample Parameters

Temp: 22.1°C ORP: 173.8 mV

Cond: 332.8 µS/cm Turbidity: 3.01 NTU

TDS: 228.80 mg/L CO_2: 10.0 mg/L

pH: 7.87 Fe^{2+}: 0.06 mg/L

Sample Date: 10-30-13 Time: 1535

ID: MPL 6- 1013-1

Notes: Pump set @ ,Start Purge @ 1458,1st Water @ 1511 ,ml's ,
Recharge @ 14 ,Discharge @ 16 ,PSI @ ~~110~~ 90
TIME START @ 1458,TIME FINISH @ 1555 ,TOTAL TIME 0:57

Sampler Signature: Brad T. Davis