zia engineering & environmental consultants, llc

WELL SAMPLING FIELD LOG

Date: 11-14-13 Personnel:

Well ID: MPL-20

Air Temp: 62°F Water Quality Meter: YSI proPlus MPS, s/n 11K110167

Weather: Clear Water Level Indicator: Solinst # Model 101

Pump #: Air 001 Turbidity Meter: Lutron TU2016 #34026 34074

Drum: Comp. 55 gal

Well TD: 322.78 ft. Well Size: (4") 2"

DTW (TOC): 193.38 ft. DTW (bgs): 190.91 ft.

LOC: 2.47 ft.

Date: 11-14-13 Well ID: MPL 20

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ~~mS~~ µS/cm	TDS mg/l	DO mg/l	pH	ORP mV	TURB NTU
193.44	1003	In.	20.0	253.1	182.00	8.11	8.46	186.7	4.66
193.39	1008	1200	20.8	257.1	181.35	7.98	8.57	173.0	2.85
193.39	1013	2100	21.6	261.9	182.00	7.81	8.57	165.1	3.43
193.39	1018	3000	21.7	279.8	193.70	7.75	8.42	165.9	3.56
193.39	1023	3900	22.4	625.5	291.85	7.55	8.11	173.9	7.11
193.39	1028	4800	22.5	636	435.5	7.57	7.99	187.6	35.25
193.39	1033	5700	22.5	642	438.2	7.56	7.99	192.1	33.8
			Final	drawdown =	193.39 ft.				

Sample Parameters

Temp: 22.5°C ORP: 192.1 mV

Cond: 642 µs/cm Turbidity: 33.8 NTU

TDS: 438.2 mg/L CO_2: 12.0 mg/L

pH: 7.99 Fe^{2+}: 0.06 mg/L

Sample Date: 11-14-13 Time: 1035

ID: MPL 20-1113-1 Field Duplicate MPL 20-1113-2

Notes: Pump set @ 310 ,Start Purge @ 0934 ,1st Water @ 0959 ,ml's 400,
Recharge @ 50 ,Discharge @ 50 ,PSI @ 120 ,
Setup TIME START @ 0845 ,TIME FINISH @ 1110 ,TOTAL TIME 1:36

Sampler Signature: [signature]

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WELL SAMPLING FIELD LOG

Date: 11-14-13 Personnel: Bradley Davis

Well ID: MPL-25

Air Temp: 67°F Water Quality Meter: YSI pro plus MPS, s/n 11K110167

Weather: Clear Water Level Indicator: Solinst # Model 101

Pump #: Air 001 Turbidity Meter: Lutron TU2016 #34026 34074

Drum: Comp. 55 gal

Well TD: 278.13 ft Well Size: (4") 2"

DTW (TOC): 257.00 ft. DTW (bgs): 255.15 ft.

LOC: 1.85 ft

Date: 11-14-13 Well ID: MPL 25

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ~~mS~~ µS/cm	TDS mg/l	DO mg/l	pH	ORP mV	TURB NTU
257.52	1315	In.	24.4	282.5	185.90	7.44	8.23	142.0	5.25
257.65	1320	1100	23.8	279.3	185.90	7.53	8.18	140.9	7.84
257.76	1325	1600	24.7	282.3	184.60	7.38	8.19	136.8	5.14
257.82	1330	2100	24.6	283.4	185.25	7.36	8.19	137.2	5.12
257.87	1335	2600	24.8	283.9	185.25	7.32	8.20	138.7	4.36
			Final drawdown =			258.23	ft.		

Sample Parameters

Temp: 24.8°C ORP: 138.7 mV

Cond: 283.9 µS/cm Turbidity: 4.36 NTU

TDS: 185.25 mg/L CO_2: 8.0 mg/L

pH: 8.20 Fe^{2+}: 0.00 mg/L

Sample Date: 11-14-13 Time: 1340

ID: MPL 25-1113-1

Notes: Pump set @ 263, Start Purge @ 1257, 1st Water @ 1312, ml's ~ 175
Recharge @ 50, Discharge @ 50, PSI @ 123
Stop TIME START @ 1215, TIME FINISH @ 1350, TOTAL TIME 0:53

Sampler Signature: Bradley T. Davis