zia engineering & environmental consultants, llc

WELL SAMPLING FIELD LOG

Date: 11/5/2013
Personnel: Bradley Davis & George Esqueda
Well ID: MPL-30
Air Temp: 66 °F
Water Quality Meter: YSI Pro Plus MPS, s/n 11K110167
Weather: Over Cast
Water Level Indicator: Solinst # Model 101
Pump #: 11285
Turbidity Meter: Lutron TU2016 #34026 34074
Drum: Comp. 55 gal
Well TD: 223.25
Well Size: (4") 2"
DTW (TOC): 199.53 ft.
DTW (bgs): 197.05 Ft.
LOC: 2.48

Date: 11/5/2013
Well ID: MPL-30

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ~~mS/cm~~ µS/cm	TDS mg/l	DO mg/l	pH	ORP mV	TURB NTU
200.00	0942	In.	20.7	642	455.00	7.78	7.95	273.3	5.60
200.07	0947	500	21.1	666	468.00	7.74	7.91	276.2	5.59
200.15	0952	1000	21.4	672	468.00	7.69	7.89	279.3	5.57
200.25	0957	1500	21.6	676	468.00	7.67	7.88	280.8	6.08
200.30	1002	2000	21.3	669	468.00	7.72	7.86	283.3	6.22
			Final drawdown = 200.35 ft						

0947

0921

Sample Parameters

Temp: 21.3 °C
ORP: 283.3 mV
Cond: 669 µS/cm
Turbidity: 6.22 NTU
TDS: 468.00 mg/L
~~CO_2~~: CO_2 = 10.0 mg/L
pH: 7.86
~~Fe^{2+}~~: Fe^{2+} = 0.02 mg/L
Sample Date: 11/5/2013
Time: 1005
ID: MPL30-1113-1

Notes: Pump set @ 204', Start Purge @ 0921, 1st Water @ 0942, ml's 50,
Recharge @ 1415, Discharge @ 1605, PSI @ ~~100~~ 115
TIME START @ 0921, TIME FINISH @ 1041, TOTAL TIME 1:20

Sampler Signature: Bradley T. Davis

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WELL SAMPLING FIELD LOG

Date: 11-5-13

Personnel: Bradley Davis + George Esqueda

Well ID: MPL-16

Air Temp: 67°F

Water Quality Meter: YSI Pro Plus MPS, s/n 11K110167

Weather: Cloudy

Water Level Indicator: Solinst # Model 101

Pump #: 11287

Turbidity Meter: Lutron TU2016 #34026 34074

Drum: Comp. 55 gal

Well TD: 257.65 ft.

Well Size: (4") 2"

DTW (TOC): 234.90 ft.

DTW (bgs): 233.55 ft.

LOC: 1.35 ft

Date: 11-5-13

Well ID: MPL-16

DTW TOC (ft)	TIME	VOL mL	TEMP °C (1)	COND ~~mS~~ µS/cm (3)	TDS mg/l (4)	DO mg/l (2)	pH (5)	ORP mV (6)	TURB NTU
235.05	1151	In.	21.4	493.0	343.85	7.66	7.98	215.9	3.49
235.15	1156	500	22.0	492.9	339.95	7.62	7.99	243.9	2.18
235.15	1201	1100	22.1	491.8	338.65	7.65	8.11	248.4	2.31
235.20	1206	1700	22.4	493.7	337.35	7.63	8.25	250.1	4.68
235.20	1211	2300	22.4	492.7	338.00	7.64	8.32	250.6	4.94

Sample Parameters

Temp: 22.4 °C

ORP: 250.6 mV

Cond: 492.7 µS/cm

Turbidity: 4.94 NTU

TDS: 338.00 mg/L

CO_2: 8.0 mg/L

pH: 8.32

Fe^{2+}: 0.01 mg/L

Sample Date: 11-5-13

Time: 1215

ID: MPL 16-1113-1

Notes: Pump set @ 242 ft, Start Purge @ 1124, 1st Water @ 1150, ml's 55,
Recharge @ 14, Discharge @ 16, PSI @ 115,
TIME START @ 1124, TIME FINISH @ 1236, TOTAL TIME 1:12

Sampler Signature: Bradley Davis

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WELL SAMPLING FIELD LOG

Date: 11-5-13 Personnel: Bradley Davis + George Esquada

Well ID: MPL-26

Air Temp: 69°F Water Quality Meter: YSI ProPlus MPS, s/n 11K110167

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

Pump #: 11285 Turbidity Meter: Lutron TU2016 #34026 34074

Drum: Comp. 55 gal

Well TD: ~~217.90 ft.~~ BTD 257.90' Well Size: (4") 2"

DTW (TOC): 217.90 ft. DTW (bgs): 215.48 ft.

LOC: 2.42 ft

Date: 11-5-13 Well ID: MPL-26

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ~~mS~~/cm µ	TDS mg/l	DO mg/l	pH	ORP mV	TURB NTU
217.90	1352	In.	22.0	1343	923.00	7.56	7.37	216.16	20.82
217.92	1356	600	22.1	1472	1014.0	7.54	7.45	215.6	10.46
217.92	1401	1200	22.0	1482	1020.5	7.55	7.46	217.7	11.86
217.91	1406	1800	22.3	1488	1020.5	7.51	7.46	220.4	14.12
217.91	1411	2400	22.3	1492	1020.5	7.51	7.47	222.1	14.38
			Final	Drawdown =		217.91 ft.			

Sample Parameters

Temp: 22.3 ORP: 222.1

Cond: 1492 Turbidity: 14.38

TDS: 1020.5 CO_2: 12.0 mg/L

pH: 7.51 Fe^{2+}: 0.08 mg/L

Sample Date: 11-5-13 Time: 1414

ID: MPL 26-1113-1

Notes: Pump set @ 237, Start Purge @ 1326, 1st Water @ 1350, ml's 50,
Recharge @ 15, Discharge @ 15, PSI @ 115,
TIME START @ 1326, TIME FINISH @ 1438, TOTAL TIME 1:12

Sampler Signature: Bradley J. Davis