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WELL SAMPLING FIELD LOG

Date: 5-23-13
Personnel: Brad Davis + Allison Jemness
Well ID: SMW-1
Air Temp: 81° F
Water Quality Meter: YSI 556
Weather: Clear - 0-5 mph
Water Level Indicator: Solinst #18
Pump #: 90
Turbidity Meter: #10
Drum: 55 gal Comp.
Well TD: 288.93 ft.
Well Size: 4"
DTW (TOC): 211.98
DTW (bgs): 209.37
LOC: 2.61 ft

Date: 5-23-13
Well ID: SMW - 1

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
212.99	1021	init.	28.29	0.357	0.219	9.38	7.64	18.1	0.42
213.01	1025	750	27.92	0.365	0.224	9.94	7.11	8.2	0.38
213.01	1029	1500	27.56	0.364	0.226	10.45	6.91	7.8	0.35
213.02	1034	2250	27.27	0.362	0.226	10.72	6.89	9.2	0.32
213.02	1040	3000	27.06	0.361	0.226	10.94	6.90	10.8	0.32

Sample Parameters

Temp: 27.06 °C
ORP: 10.8 mV
Cond: 0.361 ms/cm
Turbidity: 0.32 NTU
TDS: 0.226 g/L
CO_2: 22.0 mg/L
pH: 6.90
Fe^{2+}: 0.02 mg/L
Sample Date: 5-23-13
Time: 1042
ID: SMW1-0513-1

Notes: Pump Set @ 275 ft. MN - R - 30 D - 20
PSI = 145 Start Purge = 1005 1st Water = 1022
Finish time = 1055 total time = 0:50
final drawdown = 213.04

Sampler Signature: Brad J. Davis

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WELL SAMPLING FIELD LOG

Date: 5-23-13
Personnel: Brad Davis + Allison Jenness
Well ID: SMW-4
Air Temp: 85°F
Water Quality Meter: YSI 556
Weather: Clear 10-15mpH
Water Level Indicator: Solinst #18
Pump #: 90
Turbidity Meter: #10
Drum: 55gal Comp.
Well TD: 281.78 ft.
Well Size: 4"
DTW (TOC): 254.44 ft.
DTW (bgs): 251.63 ft.
LOC: 2.81 ft.

Date: 5-23-13
Well ID: SMW-4

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
—	1158	init.	31.91	0.407	0.234	8.37	7.66	-16.6	0.58
—	1202	1000	30.82	0.407	0.238	9.45	7.27	-14.8	0.35
—	1207	2000	29.83	0.402	0.239	9.28	7.35	-16.4	0.37
255.78	1212	3000	29.42	0.399	0.239	8.34	7.04	-11.5	0.42
255.97	1216	4000	29.27	0.399	0.240	8.21	7.28	-17.8	0.32

Sample Parameters

Temp: 29.27 °C
ORP: -17.8 mV
Cond: 0.399 mS/cm
Turbidity: 0.32 NTU
TDS: 0.240 g/L
CO_2: 18.0 mg/L
pH: 7.28
Fe^{2+}: 0.02 mg/L
Sample Date: 5-23-13
Time: 1220
ID: SMW 4-0513-1

Notes: Pump Set @ = 264 ft. R-50 D-30 PSI = 140
Start Purge = 1133 1st water = 1158
Finish = 1235 Total time = 1:02
final drawdown = 256.45 ft

Sampler Signature: Brad T. Davis

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WELL SAMPLING FIELD LOG

Date: 5-23-13
Personnel: Brad Davis + Allison Jenness
Well ID: MPL-25
Air Temp: 90°F
Water Quality Meter: YSI 556
Weather: Clear 10-20 mph wind
Water Level Indicator: # 18 Solinst
Pump #: 90
Turbidity Meter: #10
Drum: 55gal Comp.
Well TD: 278.13 ft.
Well Size: 4"
DTW (TOC): 256.94 ft.
DTW (bgs): 255.09 ft.
LOC: 1.85 ft.

Date: 5-23-13
Well ID: MPL -25

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
258.41	1440	init.	31.63	0.538	0.310	1.29	8.32	9.3	0.73
258.55	1444	900	30.87	0.537	0.314	4.82	7.78	2.7	0.71
258.71	1448	1800	30.16	0.530	0.314	6.41	7.45	3.7	0.60
258.86	1452	2700	29.60	0.525	0.314	6.85	7.46	5.2	0.53
258.99	1456	3600	29.40	0.522	0.313	6.25	7.41	6.8	0.45

Sample Parameters

Temp: 29.40 °C
ORP: 6.8 mV
Cond: 0.522 mS/cm
Turbidity: 0.45 NTU
TDS: 0.313 g/L
CO_2: 8.0 mg/L
pH: 7.41
Fe^{2+}: 0.05 mg/L
Sample Date: 5-23-13
Time: 1500
ID: MPL 25-0513-1

Notes: Pump set @ 263 ft. R-50 D-50 PSI = 135-140
Start Purge = ~~1340~~ 1419 1st Water = ~~1508~~ BD 1441
Finish = 1515 Total Time = 0:56
final Drawdown = 259.25

Sampler Signature: [signature]