zia engineering & environmental consultants, llc

WELL SAMPLING FIELD LOG

Date: 5/6/2013

Personnel: B. DAVIS, A. JENNESS

Well ID: HTA-19

Air Temp: 70°F

Water Quality Meter: YSI 556 RENTAL 06E2472

Weather: CLEAR

Water Level Indicator: #18 Solinst

Pump #: DEDICATED

Turbidity Meter: #10

Drum: COMP 30 gal.

Well TD: 141.61

Well Size: 4"

DTW (TOC): ~~127.99~~

DTW (bgs): 130.40'

LOC: 2.39'

Date: 5/6/2013

Well ID: HTA 19

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
130.39	1056	1N1	20.16	0.79	0.569	7.18	9.08	~~131.5~~ 55.3 MV	0.73
130.44	1059	500	20.39	0.800	0.570	7.00	8.52	43.6	0.52
130.43	1105	1000	20.56	0.831	0.573	6.94	8.44	40.9	0.35
130.44	1110	1750	20.91	0.830	0.585	6.96	8.60	34.5	0.13
130.44	1115	2500	21.17	0.835	0.589	6.64	8.68	35.8	0.10

Sample Parameters

Temp: 21.17 °C

ORP: 35.8 mV

Cond: 0.835 ms/cm

Turbidity: 0.10 NTU

TDS: 0.589 g/L

CO_2: N/A

pH: 8.68

~~Fe^{2+}~~: Alkalinity: 186 ppm

Sample Date: 5/6/2013

Time: 1115

ID: HTA 19-0513-1 & HTA19-0513-2

Notes: PUMP: DEDICATED CONTROL SET: MN REFILL: 15 DISCHARGE: 15 PSI 60
START PURGE: 1042 1ST WATER: 1050 FINISH TIME: 1220
TOTAL TIME: 1:38
INITIAL DRAWDOWN: 130.40 ft FINAL DRAWDOWN: 130.52 ft.

Sampler Signature: [signature]

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WELL SAMPLING FIELD LOG

Date: 5-6-13
Personnel: B. Davis A. Jenness
Well ID: HTA-12
Air Temp: 75°F
Water Quality Meter: YSI 556 06E2472
Weather: Windy- 10-15mph
Water Level Indicator: #18 Solinst
Pump #: dedicated
Turbidity Meter: #10
Drum: Comp. 30 gallon
Well TD: 154.83ft.
Well Size: 4"
DTW (TOC): 92.81 ft.
DTW (bgs): 90.71 ft.
LOC: 2.10 ft.

Date: 5-6-13
Well ID: HTA-12

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
~~93.60~~	~~init~~	~~init~~	~~12.53~~	~~20.~~ BTD					
93.60	1253	init	20.26	0.762	0.544	5.98	8.28	43.4	1.72
93.71	1257	750	20.24	0.807	0.577	4.88	8.18	26.1	1.05
93.77	1302	1500	20.24	0.807	0.595	4.01	8.18	21.3	0.75
93.81	1307	2250	20.27	0.842	0.601	3.77	8.10	18.8	0.32
93.84	1312	3000	20.37	0.849	0.605	3.29	8.10	18.8	0.35

Sample Parameters

Temp: 20.37 °C
ORP: 18.8 mV
Cond: 0.849 ms/cm
Turbidity: 0.35 NTU
TDS: 0.605 g/L
~~CO_2~~: N/A
pH: 8.10
~~Fe^{2+}~~: Alkalinity: 225 ppm
Sample Date: 5-6-13
Time: 1315
ID: HTA 12-0513-1

Notes: Refill- 15 Discharge - 15 Start Purge = 1243
PSI = 75 1st water = 1251
Finish time = 1340 Final drawdown = 93.91
Total Time = 0:57

Sampler Signature: Brady T. Davis