zia engineering & environmental consultants, llc

WELL SAMPLING FIELD LOG

Date: 10-25-13 Personnel: Bradley Davis

Well ID: HTA-43

Air Temp: 70°F Water Quality Meter: YSI Pro Plus MPS, s/n

Weather: Clear Water Level Indicator: Solinst # Model #101

Pump #: dedicated Turbidity Meter: Lutron TU2016 # 34074

Drum: Comp. Poly ~~30~~gl 15gal

Well TD: Unk Well Size: (4") 2"

DTW (TOC): 78.69 ft. DTW (bgs): Unk.

LOC: Unk

Date: 10-25-13 Well ID: HTA-43

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ~~mS~~/cm µ	TDS mg/l	DO mg/l	pH	ORP mV	TURB NTU
78.71	1118	In.	22.5	813	552.50	7.36	7.75	152.8	5.37
78.71	~~1111~~ 1123	500	22.6	895	611.00	7.34	7.57	145.8	18.43
78.71	1128	1100	22.0	903	624.00	7.41	7.39	148.8	5.24
78.71	1133	1900	21.7	897	624.00	7.46	7.32	151.1	3.16
78.71	1138	2800	21.7	897	624.00	7.48	7.32	150.2	2.36
78.71	1143	3400	22.0	901	624.00	7.44	7.32	148.4	2.50

Sample Parameters

Temp: 22.0°C ORP: 148.4 mV

Cond: 901 µS/cm Turbidity: 2.50 NTU

TDS: 624.00 mg/L CO_2: N/A

pH: 7.32 Fe^{2+}: Alkalinity = 217 ppm

Sample Date: 10-25-13 Time: 1145

ID: HTA 43-1013-1

Notes: Pump set @ ~~Unk~~ dedicated. ,Start Purge @ 1112 ,1st Water @ 1117 ,ml's ,
Recharge @ 15 ,Discharge @ 15 ,PSI @ 43,
TIME START @ 1112 ,TIME FINISH @ 1210 ,TOTAL TIME 50:58
White Specks in water

Sampler Signature: Bradley Davis

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WELL SAMPLING FIELD LOG

Date: 10-25-13 Personnel: Bradley Davis

Well ID: HTA-51

Air Temp: 65°F Water Quality Meter: YSI Pro Plus MPS, s/n

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

Pump #: 11287 Turbidity Meter: Lutron TU2016 # 34074

Drum: Comp. Poly ~~30~~gl 15gal

Well TD: Unk. Well Size: (4") 2"

DTW (TOC): 94.78 ft. DTW (bgs): Unk.

LOC: Unk.

Date: 10-25-13 Well ID: HTA-51

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ~~m~~S/cm	TDS mg/l	DO mg/l	pH	ORP mV	TURB NTU
94.87	0933	In.	20.8	951	669.50	7.64	7.13	125.7	6.25
94.87	0938	750	21.1	962	676.00	7.59	7.19	129.0	5.68
94.85	0943	1550	21.1	961	676.00	7.62	7.25	129.2	4.03
94.82	0948	2050	21.0	945	663.00	7.63	7.26	130.3	3.40
94.82	0953	2550	21.2	964	676.00	7.61	7.28	129.0	3.78
	Final Drawdown = 94.82								

Sample Parameters

Temp: 21.2°C ORP: 129.0 mV

Cond: 964 µS/cm Turbidity: 3.78 NTU

TDS: 676.00 mg/L CO_2: N/A

pH: 7.28 ~~Fe2+~~: Alkalinity = 253 ppm

Sample Date: 10-25-13 Time: 0955

ID: HTA 51-1013-1

Notes: Pump set @ ,Start Purge @ 0908 ,1st Water @ 0931 ,ml's Restart 0925 ,

Recharge @ 15 ,Discharge @ 15 ,PSI @ 53 ,

TIME START @ ~~0908~~ 0925 ,TIME FINISH @ 1018 ,TOTAL TIME ~~1:00~~ 0:53

Sampler Signature: Bradley T. Davis