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WELL SAMPLING FIELD LOG

Date: 9-23-13
Personnel: Brad Davis & George Esqueda
Well ID: HMW-008
Air Temp: 740F
Water Quality Meter: YSI 556, 06E2472
Weather: Clear - breezy
Water Level Indicator: Solinst #18
Pump #: 11106
Turbidity Meter: Lutron TU2016 #34074
Drum: 6gal Comp.
Well TD: 99.60ft.
Well Size: 2"
DTW (TOC): 75.08ft.
DTW (bgs):
LOC: 1.75ft.

Date: 9-23-13
Well ID: HMW-8

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
75.34	1117	Ins.	21.49	23.81	16.59	3.72	7.74	112.8	3.28
75.25	1123	600	21.56	23.95	16.66	2.51	7.76	63.5	2.80
75.30	1128	1100	21.67	24.03	16.68	2.26	7.69	55.8	2.43
75.23	1133	1600	21.85	24.14	16.69	2.16	7.74	53.4	2.30
75.29	1138	2400	21.83	24.13	16.70	2.13	7.74	53.0	1.84
	Final =		75.27ft	Drawdown					

Sample Parameters

Temp: 21.83
ORP: 53.0
Cond: 24.13
Turbidity: 1.84
TDS: 16.70
~~CO_2~~:
pH: 7.74
~~Fe^{2+}~~:
Sample Date: 9-23-13
Time: 1140
ID: HLSF-3839-HMW-008-0913

Notes: MN-R-15, D-15 Pump Set @ 85' bgs - 30 PSI = 43
Start Purge = 1103 First Water = 1112
Finish Time = 1227 Total Time = 1:24

Sampler Signature: Brad J. Davis

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WELL SAMPLING FIELD LOG

Date: 9-20-13 Personnel: Brad Davis + George Esqueda

Well ID: HMW-32

Air Temp: 84°F Water Quality Meter: YSI 556MPS, s/n 06E2472

Weather: Clear Water Level Indicator: Solinst # 18

Pump #: 11237 Turbidity Meter: Lutron TU2016 # 34074

Drum: Comp. Poly 30gl 6gal

Well TD: 92.10 ft. Well Size: (4") 2"

DTW (TOC): ~~72.68~~ 72.68 ft. DTW (bgs): 70.25 ft.

LOC: 2.43 ft.

Date: 9-20-13 Well ID: HMW-32

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
73.11	1412	In.	25.21	22.20	14.38	4.69	8.57	46.6	2.95
73.24	1418	700	24.84	22.03	14.36	2.59	8.52	27.2	3.07
73.38	1423	1200	25.98	22.51	14.36	2.33	8.58	26.5	4.82
73.48	1428	1700	25.77	22.39	14.34	2.16	8.53	27.2	2.77
73.59	1433	2200	25.68	22.35	14.34	2.05	8.59	27.5	2.67
	Final	= 73.82 ft.							

Sample Parameters

Temp: 25.68 ORP: 27.5

Cond: 22.35 Turbidity: 2.67

TDS: 14.34 CO_2:

pH: 8.59 Fe^{2+}:

Sample Date: 9-20-13 Time: 1435

ID: HLSF-3839-HMW-032-0913 + MS/MSD

Notes: Pump set @ 82', Start Purge @ 1404, 1st Water @ 1408, ml's 50,
Recharge @ 15, Discharge @ 15, PSI @ 40,
TIME START @ 1404, TIME FINISH @ 1530, TOTAL TIME = 1:26

Sampler Signature: Brad Davis

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WELL SAMPLING FIELD LOG

Date: 9-20-13
Personnel: Brad Davis + George Esqueda
Well ID: HMW-34
Air Temp: 77°F
Water Quality Meter: YSI 556MPS, s/n 06E2472
Weather: Clear- windy
Water Level Indicator: Solinst # 18
Pump #: 11285
Turbidity Meter: Lutron TU2016 # 34074
Drum: Comp. Poly ~~30~~gl 6gal
Well TD: 92.50ft
Well Size: (4") 2"
DTW (TOC): 74.27ft.
DTW (bgs): 72.10 ft.
LOC: 2.17 ft.

Date: 9-20-13
Well ID: HMW-34

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
74.61	1118	In.	22.64	21.59	14.70	3.72	8.13	58.0	2.92
74.70	1123	600	22.03	21.34	14.71	2.22	7.76	44.0	2.82
74.78	1128	1200	21.83	21.25	14.70	1.65	7.71	41.2	2.78
74.86	1133	1800	21.85	21.27	14.71	1.43	7.75	40.6	2.84
74.93	1138	2400	21.93	21.30	14.71	1.35	7.73	40.7	3.08
	Final =		75.38	ft.					

Sample Parameters

Temp: 21.93
ORP: 40.7
Cond: 21.30
Turbidity: 3.08
TDS: 14.71
~~CO_2~~:
pH: 7.73
~~Fe^{2+}~~:
Sample Date: 9-20-13
Time: 1140
ID: HLSF-3839-HMW-034-0913

Notes: Pump set @ 83' ,Start Purge @ 1102,1st Water @1111 ,ml's 60 ,
Recharge @ 15 ,Discharge @ 15 ,PSI @ 40 ,
TIME START @ 1102,TIME FINISH @ 1215 ,TOTAL TIME 1:13

Sampler Signature: B. J. Davis

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Field Blank

WELL SAMPLING FIELD LOG

Date: 9-20-13 Personnel: Brad Davis + George Esqueda

Well ID: HMW-34

Air Temp: 77°F Water Quality Meter: YSI MPS, s/n

Weather: Water Level Indicator: Solinst #

Pump #: Turbidity Meter: Lutron TU2016 #

Drum: Comp. Poly 30gl

Well TD: Well Size: 4" 2"

DTW (TOC): DTW (bgs):

LOC:

Date: Well ID: HMW-34

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB ~~NTU~~
		In.							

Sample Parameters

Temp: ORP:

Cond: Turbidity:

TDS: CO_2:

pH: Fe^{2+}:

Sample Date: 9-20-13 Time: 1140

ID: HLSF-3839-FB-001-0913

Notes: Pump set @ ,Start Purge @ ,1st Water @ ,ml's ,
Recharge @ ,Discharge @ ,PSI @ ,
TIME START @ ,TIME FINISH @ ,TOTAL TIME
Field Blank.

Sampler Signature: B. T. Davis

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WELL SAMPLING FIELD LOG

Date: 9-20-13 Personnel: Brad Davist George Esqueda

Well ID: HMW-35

Air Temp: 83°F Water Quality Meter: YSI 556 MPS, s/n 06E2472

Weather: Clear- breeze Water Level Indicator: Solinst # 18

Pump #: 11106 Turbidity Meter: Lutron TU2016 # 34074

Drum: Comp. Poly ~~30gl~~ 6gal

Well TD: 86.81 ft. Well Size: (4") 2"

DTW (TOC): 72.94 ft. DTW (bgs): 70.53 ft.

LOC: 2.41 ft.

Date: 9-20-13 Well ID: HMW-35

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
73.00	1242	In.	22.63	21.48	14.62	10.88	8.45	53.5	2.64
73.01	1247	800	21.76	21.12	14.63	6.94	8.17	36.1	2.29
73.05	1252	1600	21.63	21.06	14.63	6.81	8.10	35.2	2.25
73.01	1257	2400	21.54	21.02	14.63	6.70	7.92	36.8	2.35
73.02	1303	3200	21.49	21.01	14.64	6.73	7.99	38.9	2.09
	Final =		73.00	ft.					

Sample Parameters

Temp: 21.49 ORP: 38.9

Cond: 21.01 Turbidity: 2.09

TDS: 14.64 ~~CO_2~~:

pH: 7.99 ~~Fe^{2+}~~:

Sample Date: 9-20-13 Time: 1305

ID: HLSF-3839-HMW-035-0913 ; Field Duplicate HLSF-3839-HMW-135-0913

Notes: Pump set @ 77', Start Purge @ 1227, 1st Water @ 1235 ml's ,
Recharge @ 15 , Discharge @ 15 , PSI @ 40 ,
TIME START @ 1227 , TIME FINISH @ 1357 , TOTAL TIME 1:30

Sampler Signature: [signature]

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WELL SAMPLING FIELD LOG

Date: 9-20-13 Personnel: Brad Davis + George Esqueda

Well ID: HMW-59

Air Temp: 71°F Water Quality Meter: YSI MPS, s/n 06E2472

Weather: Clear- breeze Water Level Indicator: Solinst # 18

Pump #: 11106 Turbidity Meter: Lutron TU2016 # 34074

Drum: Comp. Poly ~~30~~gl 6 gal

Well TD: 87.15 ft. Well Size: (4") 2"

DTW (TOC): 74.00 ft. DTW (bgs): 70.80 ft.

LOC: 3.20 ft.

Date: 9-20-13 Well ID: HMW-59

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
74.26	0930	In.	20.42	21.49	15.30	7.14	7.97	105.1	6.77
74.37	0935	750	20.37	21.47	15.31	6.90	7.94	71.3	4.50
74.48	0940	1400	20.44	21.50	15.31	6.84	7.71	63.0	4.04
74.54	0945	2000	20.54	21.54	15.30	6.85	7.77	60.8	4.01
74.66	0950	2600	20.58	21.56	15.31	6.81	7.81	59.8	3.77
	Final =	7520	ft.						

Sample Parameters

Temp: 20.58 ORP: 59.8

Cond: 21.56 Turbidity: 3.77

TDS: 15.31 ~~CO_2~~:

pH: 7.81 ~~Fe^{2+}~~:

Sample Date: 9-20-13 Time: 0952

ID: HLSF-3839-HMW-059-0913

Notes: Pump set @ 75', Start Purge @ 0916, 1st Water @ 0924 ml's 75,
Recharge @ 15, Discharge @ 15, PSI @ 45,
TIME START @ 0916, TIME FINISH @ 1050, TOTAL TIME 1:34

Sampler Signature: [signature]