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WELL SAMPLING FIELD LOG

Date: 3-11-13

Personnel: George Esqueda + Erica Perras

Well ID: DRW-3

Air Temp: /

Water Quality Meter: /

Weather: /

Water Level Indicator: /

Pump #: /

Turbidity Meter: /

Drum: /

Well TD: 61.63 ft.

Well Size: 4"

DTW (TOC): 42.98 ft

DTW (bgs): /

LOC: /

DT Product 44.12 ft.

Date: 3-11-13

Well ID: DRW-3

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

Sample Parameters

Temp: /

ORP: /

Cond: /

Turbidity: /

TDS: /

CO_2: /

pH: /

Fe^{2+}: /

Sample Date: /

Time: /

ID: /

Notes: Did Not Sample due to product (diesel) in well.

Sampler Signature: Brady T. Dang

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WELL SAMPLING FIELD LOG

Date: 3-11-13 Personnel: George Esqueda + Erica Perras

Well ID: DRW-4

Air Temp: Water Quality Meter:

Weather: Water Level Indicator:

Pump #: Turbidity Meter:

Drum:

Well TD: 61.10 ft. Well Size: 4"

DTW (TOC): 44.85 ft. DTW (bgs): 43.43 ft.

LOC: 1.42 ft. DT Product 43.64 ft.

Date: 3-11-13 Well ID: DRW-4

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

Sample Parameters

Temp: ORP:

Cond: Turbidity:

TDS: CO_2:

pH: Fe^{2+}:

Sample Date: Time:

ID:

Notes: Did not Sample due to diesel product in well.

Sampler Signature: Brad E. Davis

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WELL SAMPLING FIELD LOG

Date: 3/18/13
Personnel: George E + Erica P.
Well ID: DRW-5
Air Temp: 75°
Water Quality Meter: YSI 556 MPS, 08M100114
Weather: or Cloudy, 0-2 mph.
Water Level Indicator: Solinst #18
Pump #: 103774
Turbidity Meter: Orion AQ 4500 #15
Drum: Composit Poly
Well TD: 61.27
Well Size: 4"
DTW (TOC): 45.35
DTW (bgs): 43.71 ft.
LOC: 1.64

Date: 3/18/13
Well ID: DRW-5

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
45.35	1117	IN	21.52	11.5	8.008	0.75	7.09	-74.6	.88
	1121	700	21.68	11.55	8.018	0.16	7.03	-78.9	1.16
	1124	1400	21.75	11.57	8.017	0.12	7.04	-80.6	2.58
46.10	1128	2100	21.81	11.58	8.014	0.14	6.98	-81.5	1.05
	1132	2800	21.89	11.59	8.009	0.16	6.97	-82.3	1.66
45.58	1135	3500	21.90	11.58	8.003	0.17	7.03	-83.1	1.48

Sample Parameters

Temp: 21.90
ORP: -83.1
Cond: 11.58
Turbidity: 1.48
TDS: 8.003
CO_2: N/A
pH: ~~DEO.17~~ 7.03
Fe^{2+}: N/A
Sample Date:
Time: 1140
ID: HLSF-0154-DRW-005-0313

Notes: Pump Set @ 49' start purge @ 1057 1st water @ 1059, Recharge 15, Discharge 15, PSI 35, 100 ml's finish @ 1155

Sampler Signature: Brady T. Dan

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WELL SAMPLING FIELD LOG

Date: 3-18-13
Personnel: George E + Erica P.
Well ID: DRW-12
Air Temp: 80°
Water Quality Meter: YSI 556 MPS, 08M100114
Weather: cloudy, winds 0-2mph.
Water Level Indicator: Solinst #18
Pump #:
Turbidity Meter: Orion Aq 4500 #15
Drum: Composit Poly
Well TD: 62.02'
Well Size: 4"
DTW (TOC): 46.55'
DTW (bgs): 45.02 ft
LOC: 1.53

Date: 3-18-13
Well ID: DRW-12

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
49.28	1449	IN	22.84	31.95	21.66	2.45	5.07	-35.7	32.8
	1453	700	22.57	32.06	21.85	0.57	5.16	-54.1	29.1
	1457	1400	22.16	31.82	21.87	0.44	5.90	-61.9	29.5
	1500	2100	21.78	31.59	21.88	0.35	5.90	-70.0	29.0
47.76	1503	2800	22.01	31.60	21.78	0.35	5.20	-76.4	30.0
	1506	3500	22.42	31.84	21.77	0.32	5.21	-82.1	28.9

Sample Parameters

Temp: 22.42
ORP: -82.1
Cond: 31.84
Turbidity: 28.9
TDS: 21.77
CO_2: N/A
pH: 5.21
Fe^{2+}: N/A
Sample Date: 3-18-13
Time: 1515
ID: HLSF-0154-DRW-012-0313

47.99

Notes: Pump set @ 50', Start purge @ 1442, 1st Water @ 1446, recharge 20, discharge 10, PST 35, 100 mls
finish @ 1540

Sampler Signature: Brady T. Dos

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WELL SAMPLING FIELD LOG

Date: 3/14/13
Personnel: George E + Erica P.
Well ID: DRW-13
Air Temp: 84°
Water Quality Meter: YSI 556 MPS, 08M100114
Weather: Clear, winds 0-2
Water Level Indicator: Solinst #18
Pump #: 11287
Turbidity Meter: Orion AQ4500 #15
Drum: Composit Poly
Well TD: 62.89
Well Size: 4"
DTW (TOC): 45.58
DTW (bgs): 43.53 ft.
LOC: 2.05

Date: ~~DRW~~ BD 3-14-13
Well ID: DRW-13

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
46.57	1443	IN	23.18	11.07	7.453	2.06	6.98	9.0	7.32
	1447	700	23.00	11.70	7.904	0.81	7.04	-17.1	6.26
	1451	1400	22.53	11.73	8.003	0.45	7.04	-33.5	6.27
	1454	2100	22.50	11.70	7.983	0.29	7.03	-45.1	6.55
	1458	2800	22.75	11.72	7.958	0.32	7.00	-52.0	6.18
47.16	1501	3500	22.66	11.69	7.951	0.26	7.04	-61.0	5.46

Sample Parameters

Temp: 22.66
ORP: -61.0
Cond: 11.69
Turbidity: 5.46
TDS: 7.951
CO_2: N/A
pH: 7.04
Fe^{2+}: N/A
Sample Date: 3/14/13
Time: 1510
ID: HLSF-0154-DRW013-0313 + HLSF-0154-DRW-113-0313

Notes: pump Set @ 49' start purge @ 1438 1st water @ 1441
Recharge 15, Discharge 15, PSI 40, 90 mils
finish @ 1530

Sampler Signature: Brad T. Davis

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Rental Equip.
FARRWEST

WELL SAMPLING FIELD LOG

Date: 3/12/13
Personnel: George E + ERICA P
Well ID: DRW-16
Air Temp: 68°
Water Quality Meter: YSI 556 MPS 08M100114
Weather: clear, wind 0-7
Water Level Indicator: SolinST #18
Pump #: 11285
Turbidity Meter: Orion AQ4500 #15
Drum: Composit poly
Well TD: 92.64
Well Size: 4"
DTW (TOC): 72.70
DTW (bgs): 69.38 ft.
LOC: 3:32

Date: 3/12/13
Well ID: DRW-16

DTW TOC (ft)	TIME 1241	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
72.19	~~1234~~	INC		15.86	11.43	3.94	7.27	63.1	106.0
	1248	700	20.34	17.61	11.45	2.81	7.22	37.6	95.0
	1252	1400	20.38	16.04	11.44	2.71	7.20	35.3	92.7
	1256	2100	20.35	16.02	11.43	2.65	7.16	31.1	92.7
	1300	2800	20.43	16.04	11.42	2.62	7.07	27.1	86.4
73.67	1303	3500	20.36	16.01	11.42	2.56	7.22	21.6	85.8

Sample Parameters

Temp: 20.36
ORP: 21.6
Cond: 16.01
Turbidity: 85.8
TDS: 11.42
~~CO_2~~: N/A
pH: 7.22
~~Fe^{2+}~~: N/A
Sample Date: 3/12/13
Time: 1305
ID: ~~DRW-16~~ HLSF-0154-DRW-016-0313

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Notes: set pump @ 78' start purge @ 1234 1st water @ 1238 100 ml's Fill 15, Discharge 15, PSI 45, water Murky, Sample Time 1305

Sampler Signature: [signature]

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WELL SAMPLING FIELD LOG

Date: 3-18-13 Personnel: George E + Erica P.

Well ID: HCF-1

Air Temp: 78° Water Quality Meter: YSI 556 MPS, 08M100114

Weather: cloudy, winds 0-5mph Water Level Indicator: Solinist #18

Pump #: 10374 Turbidity Meter: Orion Aq 4500 #15

Drum: Composit poly

Well TD: 64.45 Well Size: 4"

DTW (TOC): 47.84 DTW (bgs): 45.41 ft.

LOC: 2.43

Date: 3-18-13 Well ID: HCF-1

DTW TOC (ft)	TIME	VOL mL	TEMP °C	COND ms/cm	TDS g/l	DO mg/l	pH	ORP mV	TURB NTU
47.84	1316	IN	23.23	9.09	6.116	0.31	6.97	~~-508.~~ -456	2.94
	1318	700	23.2	9.105	6.130	0.15	7.08	-545.1	3.32
48.32	1322	1400	23.16	9.33	6.152	-0.08	6.92	-539.2	1.37
	1325	2100	23.11	9.133	6.159	-0.11	6.92	-528.7	2.49
	1328	2800	23.07	9.129	6.161	-0.11	6.92	-506.0	2.07
48.65	1332	3500	23.09	9.136	6.164	-0.10	6.86	-422.8	0.97

Sample Parameters

Temp: 23.09 ORP: -422.8

Cond: 9.136 Turbidity: 0.97

TDS: 6.164 CO_2: N/A

pH: 6.86 Fe^{2+}: N/A

Sample Date: 3-18-13 Time: 1335 @ 1415

ID: HLSF-0154-HCF-001-0313 + Equip. Blank: HLSF-0154-RB-001-0313

Notes: Pump set @ 52', Start purge @ 1308, 1st water @ 1310
recharge 15, discharge 15, DST 30, 100 mls
finish @ 1345

Sampler Signature: [signature]

CAS 7732-18-5
Lot #B305-05
exp 11/15/2017

Field Blank: HLSF-0154-FB-001-0313
@ 1330