LC-38 Diesel Spill

9-18-12

Water levels

Well ID	Time	DTW (ft TOC)	DTP (ft TOC)	TD (ft TOC)
MW-002	1135	240.01	None	253.05
MW-003	1139	239.64	None	254.82
MW-004	1143	239.33	None	256.72
MW-001	1148	235.63	None	263.28

Date: ~~9-18-12~~ 9-19-12 Personnel: B. Davis
Well ID: MW-002

Air Temp.: 77°F
Weather: Clear - breeze 0-5 mph.

Pump#: 11285 Water Qual. meter: #12
Drum: 6 gal Comp. Water Level Ind.: #94
Turbidity meter: #11

Well TD: 253.05 ft. Well size: 4"
DTW (TOC): ~~239.85~~ 240.01 ft. BD DTW (bgs): 237.43
LOC: 2.42 ft.

Sample Parameters

Temp.: 23.91°C pH: 7.37
Cond.: 8.685 mS/cm ORP: -64.7 mV
TDS: 5.645 g/L Turbidity: 4.36 NTU
DO: 1.14 mg/L

Sample Date: ~~9-18-12~~ 9-19-12 BD
Sample Time: 1035
Sample ID: LC38-DSPL-MW-002-0912
LC38-DSPL-MW-002-0912-MS/MSD
Equipment Blank: 1130: LC38-DSPL-~~MW-002~~ RB-001-0912 BD

Date: ~~9-18-12~~ 9-19-12 BD Well ID: MW-002

Time	Vol mL init.	Temp °C	Cond. mS/cm	TDS g/L	DO mg/L	pH	ORP mV	Turbidity NTU	(TOC) DTW
1009		24.44	8.726	5.672	1.73	7.19	-57.7	7.25	240.78
1014	500	24.21	8.677	5.640	1.46	7.33	-62.4	5.52	240.91
1019	1000	23.97	8.679	5.641	1.25	7.34	-63.1	4.62	240.96
1024	1500	23.95	8.676	5.640	1.18	7.35	-64.0	4.44	241.11
1029	2000	23.91	8.685	5.645	1.14	7.37	-64.7	4.36	241.16
1035- Sample									

Notes: 9-18-12 - Couldn't get equipment to wire. Reworked fittings (Carl). 9-19-12 - blew bladder on first try. Start - 0952 - First H2O - 1006
241.01

Setup: Pump set @ 244 ft. drawdown Set @ ~~240.85~~ 240.95 ft BD Cont. Site MW
Refill 15-20 discharge 15-20 PSI 120 Start Purge 1313 ~~1207~~ 0902 ~~1207~~ 0946 BD
Finish 1110 total time 1:18 initial drawdown 240.78 final drawdown 242.05
Used 750 lb Nitrogen

Date: 9-19-12 Personnel: Brad Davis
Well ID: MW-003

Air Temp: 80°F
Weather: Clear - no breeze

Pump#: 11285 Water Qual. Meter: #12
Drum: 6 gal comp. Water Level Ind.: #94
Turbidity Meter: #11

Well TD: 254.82 ft. Well size: 4"
DTW (TOC): 239.51 DTW (bgs): 237.12 ft.
LOC: 2.39 ft

Sample Parameters

Temp: 25.14°C pH: 6.99
Cond: 10.99 ms/cm ORP: -61.3 MV
TDS: 7.145 g/L Turbidity: 0.54 NTU
DO: 0.94 mg/L

Sample Date: 9-19-12
Sample Time: 1240
Sample ID: LC38-DSPL-MW-003-0912

Date: 9-19-12 Well ID: MW-003

(TOC) DTW	time	ml vol init	°C temp.	ms/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbid.
240.01	1216		25.59	11.01	7.159	2.95	6.99	-61.2	2.12
240.04	1221	500	25.11	11.03	7.170	1.94	6.97	-61.5	1.80
240.11	1226	1100	24.91	11.03	7.170	1.09	6.99	-61.6	0.97
240.16	1231	1700	25.04	11.01	7.154	1.02	7.02	-61.6	0.69
240.21	1236	2300	25.14	10.99	7.145	0.94	6.99	-61.3	0.54

1240 - Sample

Setup: Pump set @ 242 ft drawdown set @ 240.51, cont. set @ MV
Refill 15:17 discharge 15:17 PSI 120 Start purge 1158 1st water 1211
Finish 1235 total time 0:59 initial drawdown 240.01 final drawdown 240.27
used 750 lb nitrogen

Date: 9-20-12 Personnel: Brad Davis

Well ID: MW-004

Air Temp.: 85°F

Weather: Clear - no breeze.

Pump #: ~~H285~~ BD 11287 Water Qual meter: #12

Drum: 6 gal Comp. Water Level Ind.: #94

Turbidity meter: #11

Well TD: 256.72 ft. Well Size: 4"

DTW (TOC): 239.37 ft DTW (bgs): 236.95 ft.

LOC: 2.36 ft.

Sample Parameters

Temp.: 26.70°C pH: 6.88

Cond.: 11.82 mS/cm ORP: -67.4 mV

TDS: 7.683 g/L Turbidity: 37.7 NTU

DO: 0.79 mg/L

Sample Date: 9-20-12

Sample Time: 1235

Sample ID: LC38-DSPL-MW-004-0912

Field duplicate: LC38-DSPL-MW-104-0912

Date: 9-20-12 Well ID: MW-004

(TOC) DTW	time	mL Vol	°C temp.	mS/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbidity
239.36	1203	init	27.10	11.72	7.615	2.15	6.55	-61.9	35.5
239.37	1209	500	26.71	11.61	7.545	1.33	6.73	-64.7	36.2
239.37	1214	1000	26.88	11.64	7.568	1.38	6.79	-65.6	32.2
239.37	1219	1500	26.96	11.75	7.636	1.30	6.81	-66.5	38.1
239.37	1224	1950	26.57	11.83	7.688	0.99	6.86	-66.6	38.0
239.37	1229	2400	26.70	11.82	7.683	0.79	6.88	-67.4	37.7

1235 - Sample

Note - blew bladder first try. restart 1100. Blew second bladder - restart 1141 1158 - Water

Set up: pump set @ 243 ft. drawdown set @ 240.31 Cont. set @ MN

refill 15 discharge 15 PSI 120 start purge 1100 ~~1018~~ BD 1st water ~~1029~~ BD 1121

Finish 1312 total time 1:31 initial drawdown 239.36 ft final drawdown 239.37 ft

Date: 9-20-12 Personnel: Brad Davis

WellID: MW-001

Air Temp: 90°F

Weather: Clear - no breeze

Pump#: 11287 Water Qual. meter: #12

Drum: 6 gal comp. Water Level Ind.: #94

Turbidity meter: #11

WellID: 263.28 ft. well size: 4"

DTW (TOC): 235.51 ft. DTW (bgs): 232.94 ft.

Loc: 2.57 ft.

Sample Parameters

Temp: 26.62°C pH: 7.05

Cond.: 11.24 ms/cm ORP: -53.8 mv

TDS: 7.306 g/L Turbidity: 2.01 NTU

DO: 0.79 mg/L

Sample Date: 9-20-12

Sample Time: 1420

Sample ID: LC38-DSPL-MW-001-0912

Date: 9-20-12 Well ID: MW-001

(TOC) DTW	time	mL Vol	°C temp.	ms/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbid.
235.80	1358	init: ~~26.1°C~~ 80	26.12	11.19	7.271	2.01	6.99	-57.9	10.8
235.82	1403	550	26.10	11.21	7.286	1.20	7.06	-54.7	4.28
235.82	1408	1050	26.26	11.21	7.289	0.92	7.14	-54.9	3.05
235.83	1413	1600	26.35	11.23	7.297	0.82	7.17	-54.6	2.78
235.82	1418	2150	26.62	11.24	7.306	0.79	7.05	-53.8	2.01

1420 - Sample

Setup: Pump Set @ 245 ft. drawdown set @ 236.51, Cont. set @ MN,

Refill 15 discharge 15, PSI 120, Start Purge 1333 1st water 1351

Finish 1434, total time 1:01, initial drawdown 235.80 ft, final drawdown 235.82