LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-9 33'
Date: 12/5/02
Location/Site: Solutia
Sampled by: LC/HT
Project Number: 06626M35
Site Description (Weather, Temp., etc.): 30°, snow

Depth to Top of Screen: 28'
Depth to Bottom of Screen: 33'
Depth to Pump Intake: 31'
Purging Device: persistaltic

TIME (24-hr)	Depth to Water (feet)	Purge Rate (ml/min)	Volume Purged (liters or gallons)	Temperature (0C)	Specific Conductivity (µS/cm)2	pH	ORP/Eh (mv) [circle one]	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments

Additional Comments: Very Low flow, unable to pump at steady rate collect sample at 0845

Field Parameter Stabilization	
Turbidity (> 5 NTU, 10% for values > 1 NTU)	Temp. (3%)
DO (10%)	pH (+/- 0.1 unit)
Specific Conductance (3%)	ORP/Eh (+/- 10 millivolts)

Purge Volumes						
Well Diameter	1	1.5	2	4	6	8
Gallons Per Foot	0.041	0.09	0.163	0.653	1.469	2.611

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-10 (15')
Date: 12/12/02
Location/Site: Solutia
Sampled by: AT/LC
Project Number: 016626M35
Site Description (Weather, Temp., etc.) 30s, rain

Depth to Top of Screen: 10'
Depth to Bottom of Screen: 15'
Depth to Pump Intake: 14'
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (µS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
0925					13.10	6.314	7.07	-317.6	2.93	27	
0930					12.09	6.366	7.00	-324.5	3.29	7.1	
0935					11.91	6.376	7.00	-325.6	3.13	5.6	
0940					11.47	6.466	7.02	-330.9	5.16	4.5	
0945					11.43	6.462	7.01	-330.5	4.44	3.9	
0950					11.42	6.456	7.01	-333.7	3.69	3.2	
0955					11.39	6.442	7.02	-332.5	3.42	3.9	
1000					11.48	6.372	7.02	-327.3	3.69	3.8	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments: Sampled @ 1005

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-10 (25')
Date: 12/12/02
Location/Site: Solutia
Sampled by: HTL
Project Number: 06626em35
Site Description (Weather, Temp., etc.) 30s, cloudy

Depth to Top of Screen: 20
Depth to Bottom of Screen: 25
Depth to Pump Intake: 24
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (µS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1210					9.63	8.074	8.16	-317.1	8.50	150	
1215					9.55	8.486	8.22	-324.0	8.10	120	
1220					10.07	8.732	8.14	-323.8	7.04	65	
1225					10.41	8.923	7.99	-332.9	7.34	38	
1230					10.42	9.030	7.81	-334.0	6.58	65	
1235					10.48	9.101	7.74	-333.9	6.57	70	
1240					10.47	9.087	7.71	-330.0	6.70	70	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments: Begin purge 1145, Sample 1245

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-11 (15')
Date: 12/6/02
Location/Site: Solutia
Sampled by: BP/LC
Project Number: 06627.0035

Depth to Top of Screen: 10'
Depth to Bottom of Screen: 15'
Depth to Pump Intake: 14.7'
Purging Device: peristaltic

Site Description (Weather, Temp., etc.) 30s, snow

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (µS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
0935			<100		13.82	2.109	7.31	-293.1	1.66	50	
0940					13.84	2.010	7.29	-307.8	1.50	26	
0945					13.81	1.987	7.28	-303.6	1.07	22	
0950					13.83	1.976	7.28	-311.6	0.88	19	
0955					13.71	1.964	7.27	-309.8	0.71	17	
1000					13.82	1.950	7.27	-307.6	0.82	17	
1005					13.87	1.947	7.26	-305.2	0.85	16	
1010					13.89	1.946	7.26	-306.1	0.81	15	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments:

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-11 (31')
Date: 12/6/02
Location/Site: Solutia
Sampled by: BP/LC
Project Number: 06626m35
Site Description (Weather, Temp., etc.) 30 snow

Depth to Top of Screen: 26'
Depth to Bottom of Screen: 31'
Depth to Pump Intake: 30.7'
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (µS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1335					13.54	9.553	8.14	-328.2	2.04	400	
1340					13.36	9.851	8.12	-337.8	1.12	220	
1345					13.30	9.575	8.12	-311.7	1.02	130	
1350					13.46	9.560	8.11	-311.0	1.26	100	
1355					13.62	9.570	8.10	-316.0	0.90	60	
1400					13.33	9.597	8.10	-321.6	0.81	60	
1405					13.36	9.583	8.10	-322.1	0.81	54	
1410					13.34	9.527	8.09	-325.3	0.80	52	
1415				35gal	13.34	9.519	8.09	-327.8	0.78	51	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments:

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-12 (5')
Date: 12/9/02
Location/Site: Solutia
Sampled by: HAT / LHC
Project Number: 016621.6M35

Depth to Top of Screen: 10'
Depth to Bottom of Screen: 15'
Depth to Pump Intake: 14'
Purging Device: peristaltic

Site Description (Weather, Temp., etc.) 28/30F, windy, skinny

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (µS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1010					12.18	63.9	5.87	60.3	7.60	24.9	
1015					13.64	2.092	5.75	-25.8	3.20	12.6	
1020					14.15	2.046	5.73	-57.0	2.39	7.32	
1025					14.06	2.051	5.74	-74.4	2.08	5.29	
1030					14.06	2.014	5.74	-94.5	2.62	3.24	
1035					14.08	2.015	5.76	-100.3	2.87	4.36	
1040					14.27	2.005	5.78	-109.1	3.35	3.64	
1045					14.39	2.004	5.78	-112.6	3.55	4.57	
1050					14.45	1.999	5.78	-118.0	3.65	3.18	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments:

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-12 (31')
Date: 12/9/02
Location/Site: Solutia
Sampled by: HAT/LHC
Project Number: 06626M35
Site Description (Weather, Temp., etc.) 30, Sunny

Depth to Top of Screen: 26
Depth to Bottom of Screen: 31
Depth to Pump Intake: 30
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (mS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1330					12.32	3.040	6.24	-68.8	3.29	834	
1335					13.56	3.051	6.15	-89.5	2.13	ER3	
1340					13.88	3.046	6.09	-108.5	2.11	ER3	
1345					13.47	3.045	6.07	-119.6	2.08	ER3	
1350					13.37	3.038	6.04	-132.6	2.16	ER3	
1355					13.26	3.048	6.03	-135.9	2.16	ER3	
1400					13.29	3.029	6.02	-135.6	2.22	ER3	
1405					12.39	3.031	6.03	-137.3	2.14	698	
1410					12.61	3.018	6.01	-142.9	2.15	745	
1415					12.61	3.013	6.02	-144.8	2.18	786	
1420					12.41	3.026	6.02	-146.6	2.20	624	
1425					12.41	3.022	6.01	-147.6	2.20	593	
1430					12.12	3.017	6.02	-147.6	2.19	570	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments: Begin purge 1248

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-13 (15')
Date: 12/9/02
Location/Site: Solutia
Sampled by: HAT / LHC
Project Number: 066626.M35
Site Description (Weather, Temp., etc.) 28/30 windy, sunny

Depth to Top of Screen: 10'
Depth to Bottom of Screen: 15'
Depth to Pump Intake: 14'
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (µS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
0945					13.37	3,481	6.32	-26.4	4.22	3.30	
0950					14.07	3,520	6.32	-8.6	1.51	2.42	
0955					14.09	3,532	6.32	-13.0	1.42	2.31	
1000					14.26	3,542	6.32	-21.5	1.38	2.51	
1005					14.55	3,554	6.32	-40.8	1.09	1.58	
1010					14.74	3,563	6.32	-41.8	0.99	1.54	
1015					14.76	3,555	6.32	-46.9	0.97	1.36	
1020					14.65	3,537	6.32	-51.6	0.92	1.28	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments:

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-13 (29')
Date: 12/9/02
Location/Site: solutia
Sampled by: LHC/HAT
Project Number: 016626M35
Site Description (Weather, Temp., etc.) 25°F Sunny

Depth to Top of Screen: 24
Depth to Bottom of Screen: 29
Depth to Pump Intake: 27
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (mS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1400					11.63	7.128	7.29	-16.1	4.26	220	
1405					11.69	7.048	7.20	-45.6	1.82	149	
1410					11.95	7.127	7.19	-72.0	1.14	145	
1415					12.09	7.152	7.18	-94.5	0.98	955	
1420					12.14	7.157	7.18	-96.3	0.77	83.6	
1425					12.27	7.190	7.18	-109.6	0.69	78.3	
1430					11.84	7.184	7.17	-121.5	0.76	61.5	
1435					11.86	7.186	7.17	-122.7	0.69	59.3	
1440					11.85	7.180	7.17	-126.7	0.68	55.7	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments:

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-14 (29')
Date: 12/10/02
Location/Site: Solutia
Sampled by: HAT / LHC
Project Number: 06626m35
Site Description (Weather, Temp., etc.) 30s, Sunny

Depth to Top of Screen: 24
Depth to Bottom of Screen: 29
Depth to Pump Intake: 28
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (mS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1255					14.24	2.847	6.01	-62.4	7.68	ER2	
1300					14.32	2.849	6.17	-70.6	6.94	ER2	
1305					14.19	2.864	6.29	-66.0	7.70	1100	
1310					14.20	2.888	6.19	-94.6	3.85	1100	
1315					14.31	2.880	6.21	-98.2	2.53	1100	
1320					14.20	2.892	6.18	-97.2	2.22	ER2	
1325					14.48	2.898	6.21	-100.9	1.93	ER2	
1330					14.38	2.901	6.22	-99.1	1.93	1000	
1335					14.39	2.890	6.22	-96.9	2.01	650	
1340					14.44	2.888	6.21	-90.3	2.36	550	
1345					14.33	2.893	6.22	-85.1	2.60	450	
1350					14.42	2.890	6.21	-81.0	2.80	450	
1355					14.38	2.885	6.21	-80.5	2.80	420	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments:

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-15 (15')
Date: 12/11/02
Location/Site: Solutia
Sampled by: HT/LC
Project Number: 066261M.35
Site Description (Weather, Temp., etc.) 30, cloudy

Depth to Top of Screen: 10'
Depth to Bottom of Screen: 15'
Depth to Pump Intake: 14'
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (µS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
0945					12.99	4.710	7.79	-23.5	1.86	35	
0950					13.11	4.605	7.31	-48.6	1.36	23	
0955					13.32	4.485	6.84	-66.1	1.16	19	
1000					13.26	4.434	6.68	-78.0	1.21	17	
1005					13.36	4.387	6.57	-85.6	1.26	17	
1010					13.26	4.386	6.54	-93.1	1.29	17	
1015					13.11	4.333	6.53	-100.4	1.34	18	
1020					13.11	4.327	6.49	-103.0	1.34	17	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments: Begin purge 0924

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-15 (29')
Date: 12/11/02
Location/Site: Solutia
Sampled by: HT/LC
Project Number: 06626M35
Site Description (Weather, Temp., etc.) 30, cloudy

Depth to Top of Screen: 24
Depth to Bottom of Screen: 29
Depth to Pump Intake: 28
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (mS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1305					13.41	2.658	6.96	-76.3	2.18	—	
1310					14.26	2.692	7.02	-97.2	1.07	—	
1315					14.41	2.688	7.08	-108.5	1.18	—	
1320					14.47	2.692	7.08	-114.3	1.25	781	
1325					14.44	2.693	7.09	-114.6	1.30	726	
1330					14.41	2.694	7.09	-116.7	1.25	635	
1335					14.43	2.691	7.11	-118.6	1.18	451	
1340					14.44	2.693	7.12	-119.0	1.14	436	
1345					14.39	2.695	7.10	-119.7	1.13	405	
1350					14.44	2.693	7.11	-120.0	1.13	353	
1355					14.48	2.692	7.10	-120.4	1.14	308	
1400					14.47	2.690	7.11	-121.0	1.14	238	
~~1400~~					14.49	2.688	7.10	-121.3	1.15	225	
1410					14.48	2.689	7.11	-121.0	1.14	219	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments: begin pumping 1245

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-14 (15')
Date: 12/11/07
Location/Site: Solutia
Sampled by: LC/HT
Project Number: 06626.3035
Site Description (Weather, Temp., etc.)

Depth to Top of Screen: 10'
Depth to Bottom of Screen: 15'
Depth to Pump Intake: 13'
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (µS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
0955					14.06	4.558	6.26	81.3	2.44	7.1	
1000					14.14	4.568	6.04	25.4	0.99	6.0	
1005					14.25	4.567	6.03	19.4	0.99	5.1	
1010					14.38	4.568	6.00	10.6	0.87	8.3	
1015					14.14	4.567	5.93	-5.0	1.12	11	
1020					14.03	4.556	5.90	-12.3	1.48	18	
1025					13.69	4.560	5.91	-11.8	2.02	31	
1030					13.69	4.545	5.91	-7.6	2.49	11	
1035					13.66	4.545	5.90	-7.3	2.52	9.5	
1040					13.61	4.538	5.91	-4.1	2.99	9.2	
1045					13.64	4.534	5.92	-2.6	3.13	8.9	
HT ~~1050~~											

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments: collect sample @ 1055

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-16 (29')
Date: 12/11/02
Location/Site: Solvay
Sampled by: LC/HT
Project Number: 010626m35
Site Description (Weather, Temp., etc.) 25 ~~28~~ HAT Cloudy

Depth to Top of Screen: 24
Depth to Bottom of Screen: 29
Depth to Pump Intake: 27
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (mS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1305					14.76	3.578	7.06	-4.0	0.72	860	
1310					14.69	3.535	7.07	-58.6	1.04	740	
1315					14.71	3.538	7.07	-59.2	0.90	750	
1320					13.60	3.578	7.08	-74.8	1.10	430	
1325					13.64	3.572	7.08	-79.6	1.21	320	
1330					13.56	3.553	7.09	-84.6	1.14	284	
1335					13.48	3.531	7.08	-89.5	1.19	296	
1340					13.45	3.528	7.08	-91.3	1.35	310	
1345					13.43	3.521	7.08	-90.1	1.58	305	
1350					13.34	3.501	7.08	-92.3	1.62	295	
1355					13.38	3.499	7.09	-92.8	1.64	308	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments: Sampled @ 1405

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-17 (15')
Date: 12/10/02
Location/Site: Solutia
Sampled by: HHT/LHG
Project Number: 06626M35
Site Description (Weather, Temp., etc.) 30s, sunny

NS

Depth to Top of Screen: 10'
Depth to Bottom of Screen: 15'
Depth to Pump Intake: 14'
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (µS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1055					12.98	3.666	6.39	-22.1	6.43	ER3	
1100					13.16	3.642	6.20	-15.0	4.74	ER3	
1105					12.87	3.544	6.14	-19.2	3.74	ER3	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments: begin purge 0930. dark brown color, lots of bubbles. Dry 1035

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-17 (33')
Date: 12/10/02
Location/Site: Solutia
Sampled by: HT/LC
Project Number: 06626M35
Site Description (Weather, Temp., etc.): 30's, Sunny

Depth to Top of Screen: 33'
Depth to Bottom of Screen: 28'
Depth to Pump Intake: 32'
Purging Device: persistaltic

TIME (24-hr)	Depth to Water (feet)	Purge Rate (ml/min)	Volume Purged (liters or gallons)	Temperature (0C)	Specific Conductivity (µS/cm)2	pH	ORP/Eh (mv) [circle one]	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1440				14.08	3.051	6.75	-31.1	3.01	900	
1445				14.06	3.036	6.75	-33.3	2.37	950	
1450				14.01	2.905	6.75	-44.4	1.11	860	
1455				1400	2.782	6.75	-53.8	1.07	190	
1500				14.03	2.666	6.75	-60.0	0.93	170	
1505				14.00	2.658	6.74	-60.6	1.09	150	
1510				1 .96	2.520	6.74	-60.5	1.00	145	
1515				13.88	2.457	6.73	-69.0	0.93	139	

Additional Comments:

Field Parameter Stabilization	
Turbidity (> 5 NTU, 10% for values > 1 NTU)	Temp. (3%)
DO (10%)	pH (+/- 0.1 unit)
Specific Conductance (3%)	ORP/Eh (+/- 10 millivolts)

Purge Volumes						
Well Diameter	1	1.5	2	4	6	8
Gallons Per Foot	0.041	0.09	0.163	0.653	1.469	2.611

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-18 13'
Date: 12/13/02
Location/Site: Solutia
Sampled by: LC/HT
Project Number: 06626M35
Site Description (Weather, Temp., etc.) 40s, Cloudy

Depth to Top of Screen: 8
Depth to Bottom of Screen: 13
Depth to Pump Intake: 11
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (mS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1340					13.36	0.020	6.99	135.0	6.39	ERR	
1345					13.03	0.021	6.80	139.6	4.27	950	
—					—					—	well dry; then purged
1420					11.77	0.021	6.73	142.9	7.76	404	black stuff
1425					10.65	4.955	7.13	-63.6	7.70	395	
1430					10.55	4.942	7.14	-68.6	7.39	330	
1435					10.44	4.896	7.16	-68.7	7.55	340	
1440					10.35	4.857	7.16	-68.3	7.71	380	
1445					10.22	4.702	7.16	-64.7	7.56	380	
1450					10.18	4.772	7.16	-63.3	7.25	380	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments: flow not steady began purge @ 1230. well purged dry

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-18 (20')
Date: 12/19/02
Location/Site: Solutia
Sampled by: HT/LC
Project Number: 066626m35
Site Description (Weather, Temp., etc.) 40, Sunny

Depth to Top of Screen: 15
Depth to Bottom of Screen: 20
Depth to Pump Intake: 17.5'
Purging Device: peristaltic pump

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (µS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1055					12.54	6.843	6.84	-42.4	2.41	55	
1100					12.09	6.996	6.76	-106.0	0.76	60	
1105					12.02	7.046	6.73	-134.2	0.72	37	
1110					11.96	7.068	6.74	-149.5	0.82	27	
1115					11.96	7.077	6.74	-155.3	0.89	19	
1120					12.00	7.072	6.73	-156.3	0.97	17	
1125					11.98	7.076	6.73	-162.2	0.97	14	
1130					12.01	7.078	6.74	-162.4	1.02	13	
1135					11.94	7.078	6.74	-167.3	1.03	13	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments:

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-18 30'
Date: 12/13/02
Location/Site: Solutia
Sampled by: LC/HT
Project Number: 060626M35
Site Description (Weather, Temp., etc.) 40s, sunny

Depth to Top of Screen: 25'
Depth to Bottom of Screen: 30'
Depth to Pump Intake: 28'
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (µS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1030					11.58	8.308	7.00	46.8	0.07	941	
1035					11.52	8.156	6.83	-16.9	0.43	—	too turbid to read
1040					11.52	8.049	6.81	-55.0	0.49	—	"
1045					11.56	8.042	6.82	-59.7	0.46	—	"
1050					11.54	7.995	6.81	-70.9	HAT 10.47	1100	
1055					11.57	7.975	6.82	-79.2	0.40	1100	
1100					11.57	7.936	6.81	-80.0	0.37	1100	
1105					11.61	7.890	6.81	-84.2	0.37	1056	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments: Begin purge 1017, Sample 1110

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-19 (22')
Date: 12/19/02
Location/Site: Solutia
Sampled by: HTLC
Project Number: 06616216m35
Site Description (Weather, Temp., etc.) Sunny, 40

Depth to Top of Screen: 17
Depth to Bottom of Screen: 22
Depth to Pump Intake: 19.5
Purging Device: peristaltic

TIME (24-hr)	Depth to Water (feet)	Pump Dial[1]	Purge Rate (ml/min)	Volume Purged (liters)	Temperature (°C)	Specific Conductivity (mS/cm)[2]	pH	ORP/Eh[3] (mv)	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments
1000					11.76	5.146	6.58	6.60	1.76	8.8	
1005					11.76	4.958	6.61	-14.5	1.22	7.2	
1010					11.56	4.615	6.66	-53.8	0.98	4.8	
1015					11.57	4.602	6.66	-57.3	0.97	5.6	
1020					11.62	4.548	6.66	-68.0	0.99	5.6	
1025					11.71	4.527	6.67	-71.7	1.01	4.6	
1030					11.72	4.514	6.66	-75.0	1.08	3.9	
1035					11.75	4.496	6.67	-81.6	1.16	3.9	

1. Pump dial settings (hertz, cycles/min, etc.)
2. µSiemens per cm (same as µmhos/cm) at 25 °C
3. Oxidation reduction potential (stand in for Eh)

Additional Comments:

CLICK TO CONTINUE

LOW FLOW SAMPLING FIELD FORM

Roux Associates, Inc. 25 Corporate Drive, Suite 230 Burlington, Massachusetts 01803

Well Number: RX-19 (30')
Date: 12/13/02
Location/Site: Solutia
Sampled by: HT/LC
Project Number: 06626M35
Site Description (Weather, Temp., etc.): 38, Sunny

Depth to Top of Screen: 30
Depth to Bottom of Screen: 25
Depth to Pump Intake: 24.5
Purging Device: persistaltic

TIME (24-hr)	Depth to Water (feet)	Purge Rate (ml/min)	Volume Purged (liters or gallons)	Temperature (0C)	Specific Conductivity (µS/cm)2	pH	ORP/Eh (mv) [circle one]	Dissolved Oxygen (DO) (mg/L)	Turbidity (NTU)	Comments

Additional Comments: Begin purge: 1200; tried adding water & check valving. Removed H2O added: let recharge. No parameters collected.

Field Parameter Stabilization	
Turbidity (> 5 NTU, 10% for values > 1 NTU)	Temp. (3%)
DO (10%)	pH (+/- 0.1 unit)
Specific Conductance (3%)	ORP/Eh (+/- 10 millivolts)

Purge Volumes						
Well Diameter	1	1.5	2	4	6	8
Gallons Per Foot	0.041	0.09	0.163	0.653	1.469	2.611