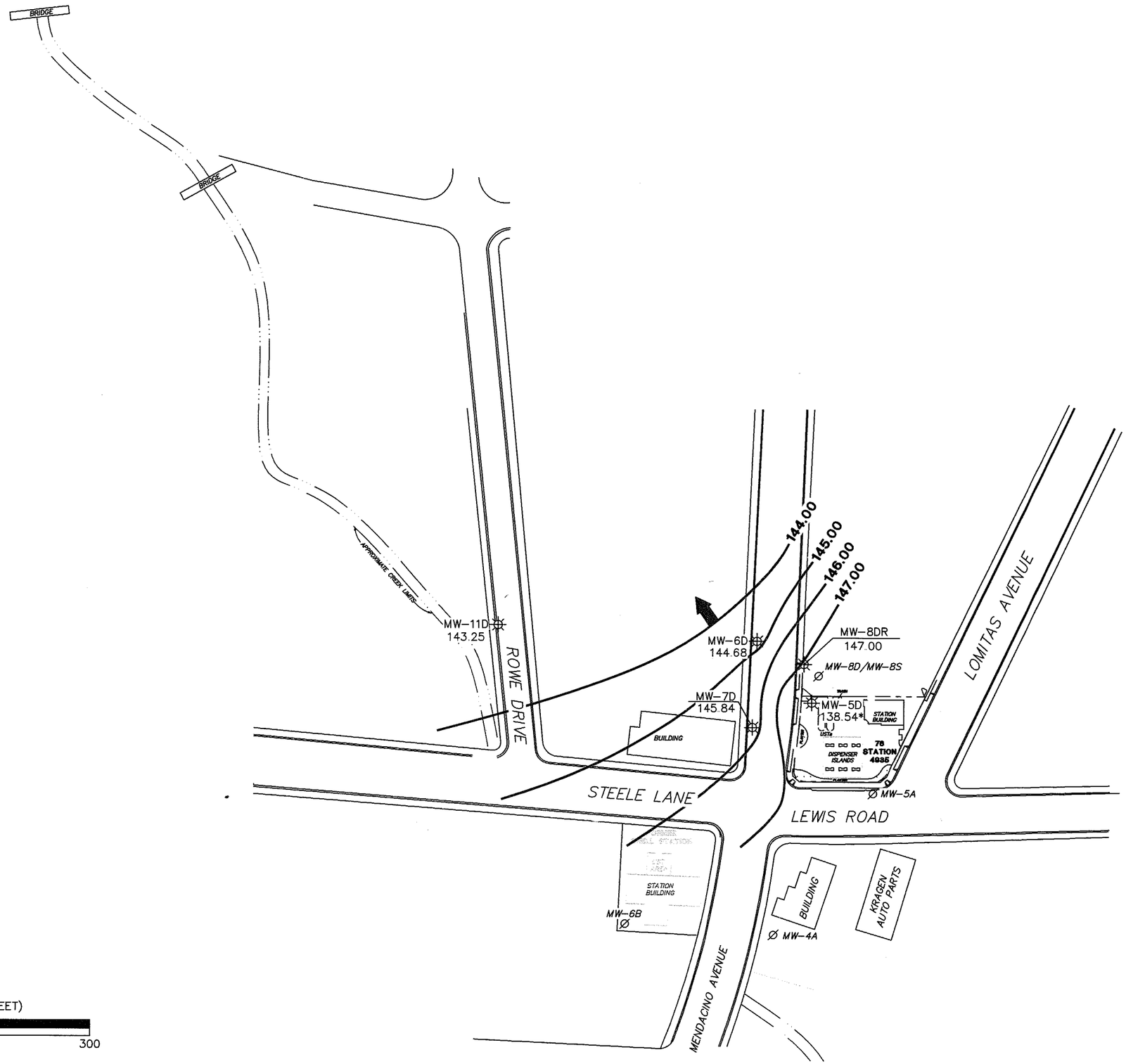


N

LEGEND

MW-11D — 76 Deep Monitoring Well with Groundwater Elevation (feet)

MW-8D/MW-8S — Abandoned Well

147.00 — Groundwater Elevation Contour

General Direction of Groundwater Flow

NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank. * = not included in groundwater contour interpretation; well MW-5D is screened 20 feet below other "D" wells.

GROUNDWATER ELEVATION CONTOUR MAP (Deep Wells) August 9, 2005

76 Station 4935
2200 Mendocino Avenue
Santa Rosa, California

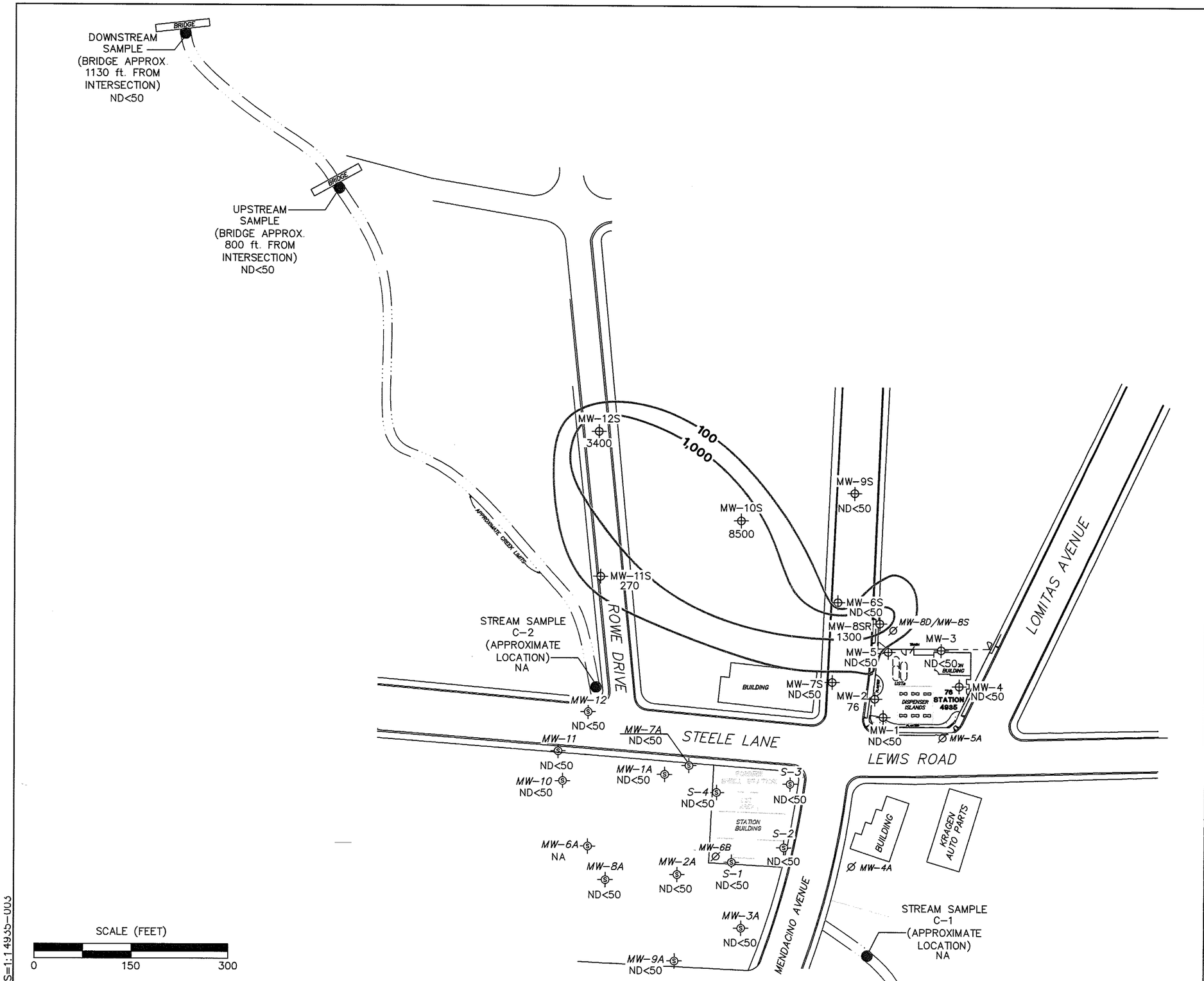
SCALE (FEET)
0 150 300

PS=1:1 4935-003

TRC

FIGURE 2B

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-4000\4935+\4935-QMS.dwg Sep 22, 2005 - 12:12pm mesten



LEGEND

MW-12S — 76 Shallow Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

MW-12 — Former Shell Monitoring Well

MW-8D/MW-8S — Abandoned Well

Surface Water Sample Location

1,000 — Dissolved-Phase TPPH Contour (µg/l)

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPPH = total purgeable petroleum hydrocarbons. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. NA = not analyzed, measured, or collected. Former Shell data provided by Blaine Tech. Results obtained using EPA Method 8260B.

DISSOLVED-PHASE TPPH CONCENTRATION MAP (Shallow Wells) August 9, 2005

76 Station 4935
2200 Mendocino Avenue
Santa Rosa, California

TRC

FIGURE 3A

PS=1:14935-003

L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-4000\4935+\4935-QMS.dwg Sep 22, 2005 - 12:15pm mesten

N

LEGEND

MW-11D 76 Shallow Monitoring Well with Dissolved-Phase TPPH Concentration (µg/l)

MW-8D/MW-8S Ø Abandoned Well

NOTES:

TPPH = total purgeable petroleum hydrocarbons.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank. Results obtained using EPA Method 8260B.

DISSOLVED-PHASE TPPH CONCENTRATION MAP (Deep Wells) August 9, 2005

76 Station 4935
2200 Mendocino Avenue
Santa Rosa, California

TRC

FIGURE 3B

PS=1:1 4935-003

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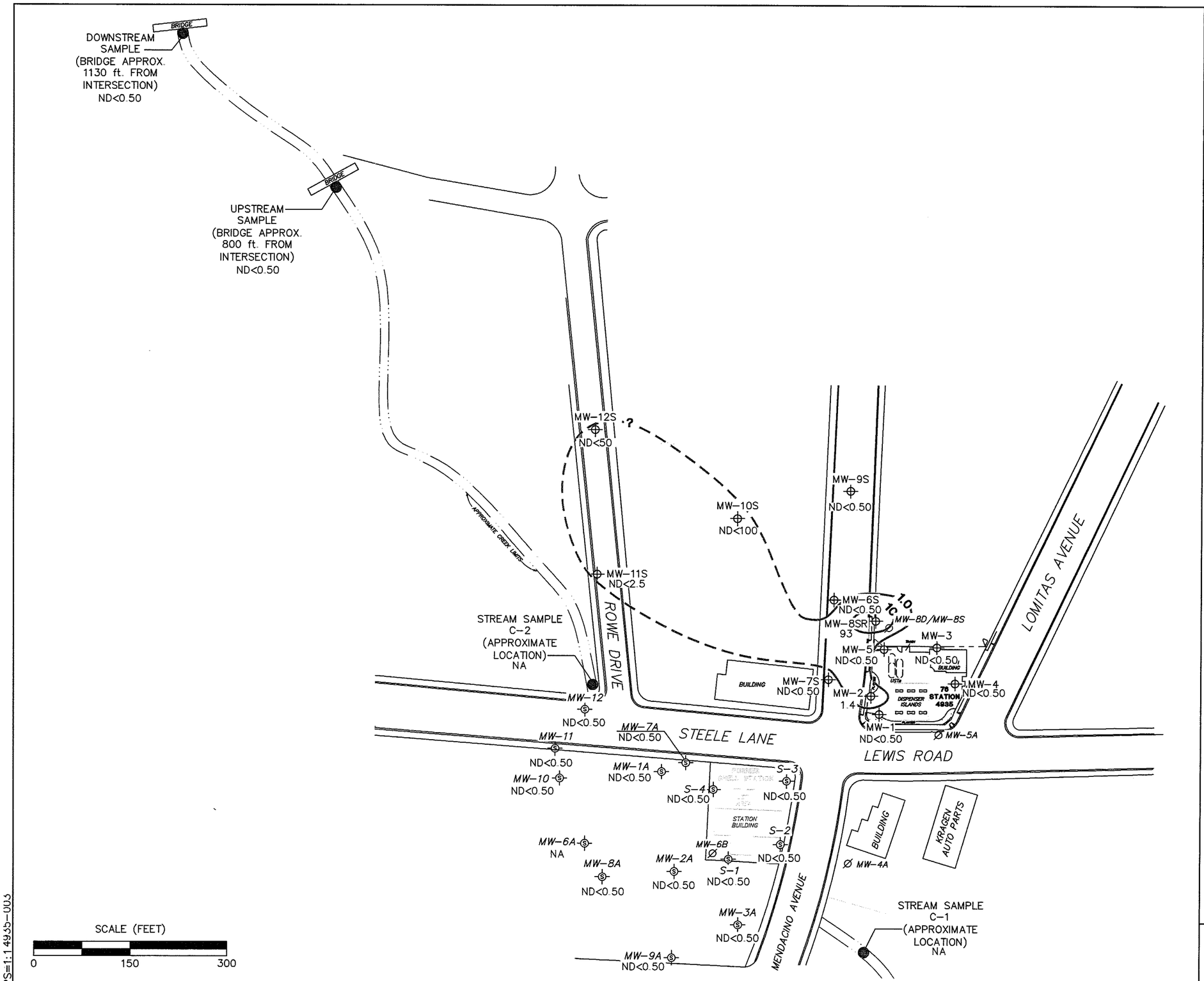

LEGEND

MW-12S — 76 Shallow Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

MW-12 — Former Shell Monitoring Well

MW-8D/MW-8S — Abandoned Well

Surface Water Sample Location

10 — Dissolved-Phase Benzene Contour (µg/l)

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. UST = underground storage tank. Dashes indicate contour based on non-detect at elevated detection limit. Former Shell Station data provided by Blaine Tech.

DISSOLVED-PHASE BENZENE CONCENTRATION MAP (Shallow Wells) August 9, 2005

76 Station 4935
2200 Mendocino Avenue
Santa Rosa, California

TRC

FIGURE 4A

PS=1:1 4935-003

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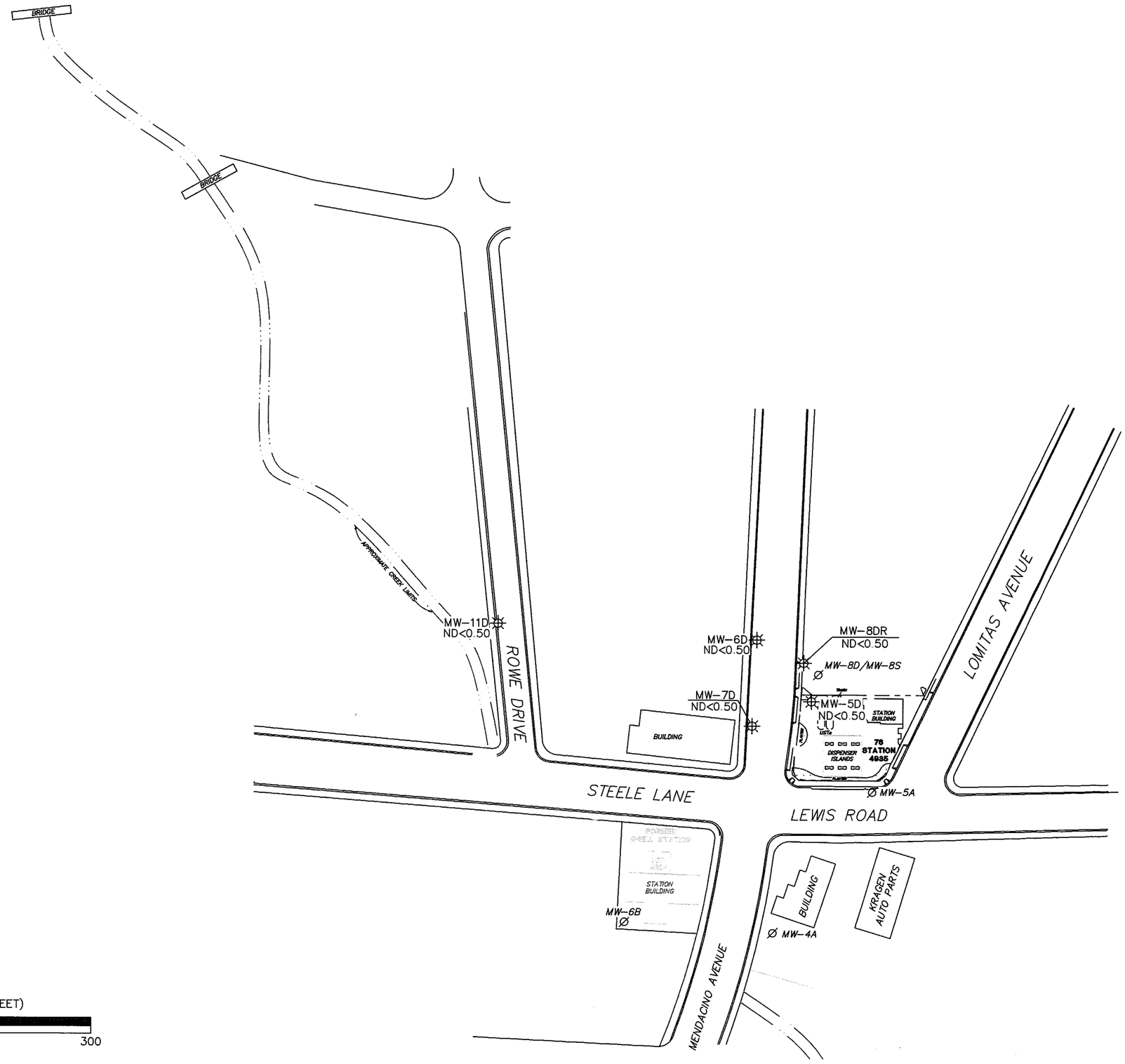

N

LEGEND

MW-11D ✱ 76 Deep Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

MW-8D/8S ∅ Abandoned Well

NOTES:

µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank.

SCALE (FEET)

0 150 300

DISSOLVED-PHASE BENZENE CONCENTRATION MAP (Deep Wells) August 9, 2005

76 Station 4935
2200 Mendocino Avenue
Santa Rosa, California

TRC

FIGURE 4B

PS=1:1 4935-00J

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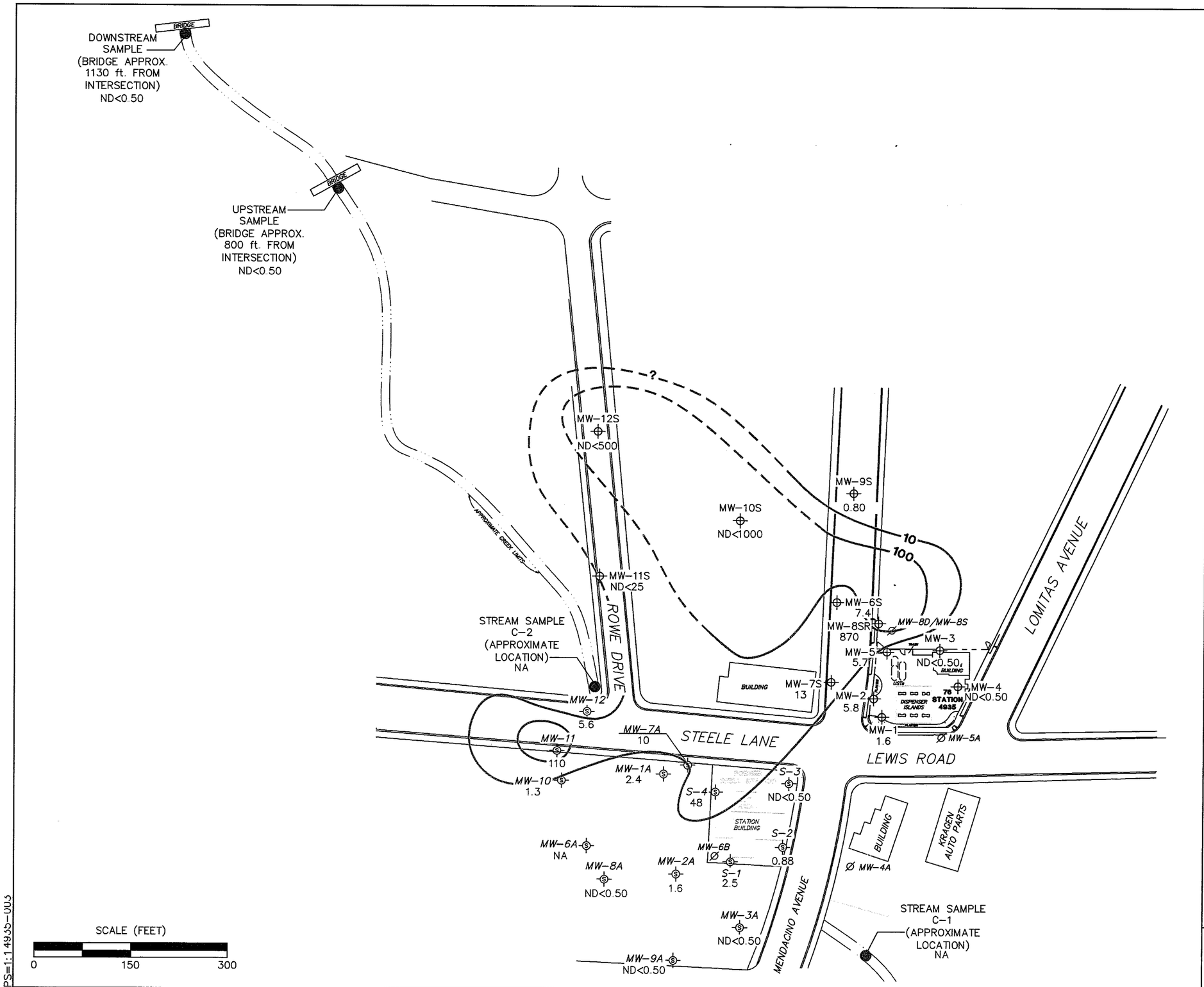

LEGEND

MW-12S — 76 Shallow Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

MW-12 — Former Shell Monitoring Well

MW-8D/8S — Abandoned Well

Surface Water Sample Location

100 — Dissolved-Phase MTBE Contour (µg/l)

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. UST = underground storage tank. Former Shell Station data provided by Blaine Tech. Dashes indicate contour based on non-detect at elevated detection limit. Results obtained using EPA Method 8260B.

DISSOLVED-PHASE MTBE CONCENTRATION MAP (Shallow Wells) August 9, 2005

76 Station 4935
2200 Mendocino Avenue
Santa Rosa, California

TRC

FIGURE 5A

PS=1:14935-003

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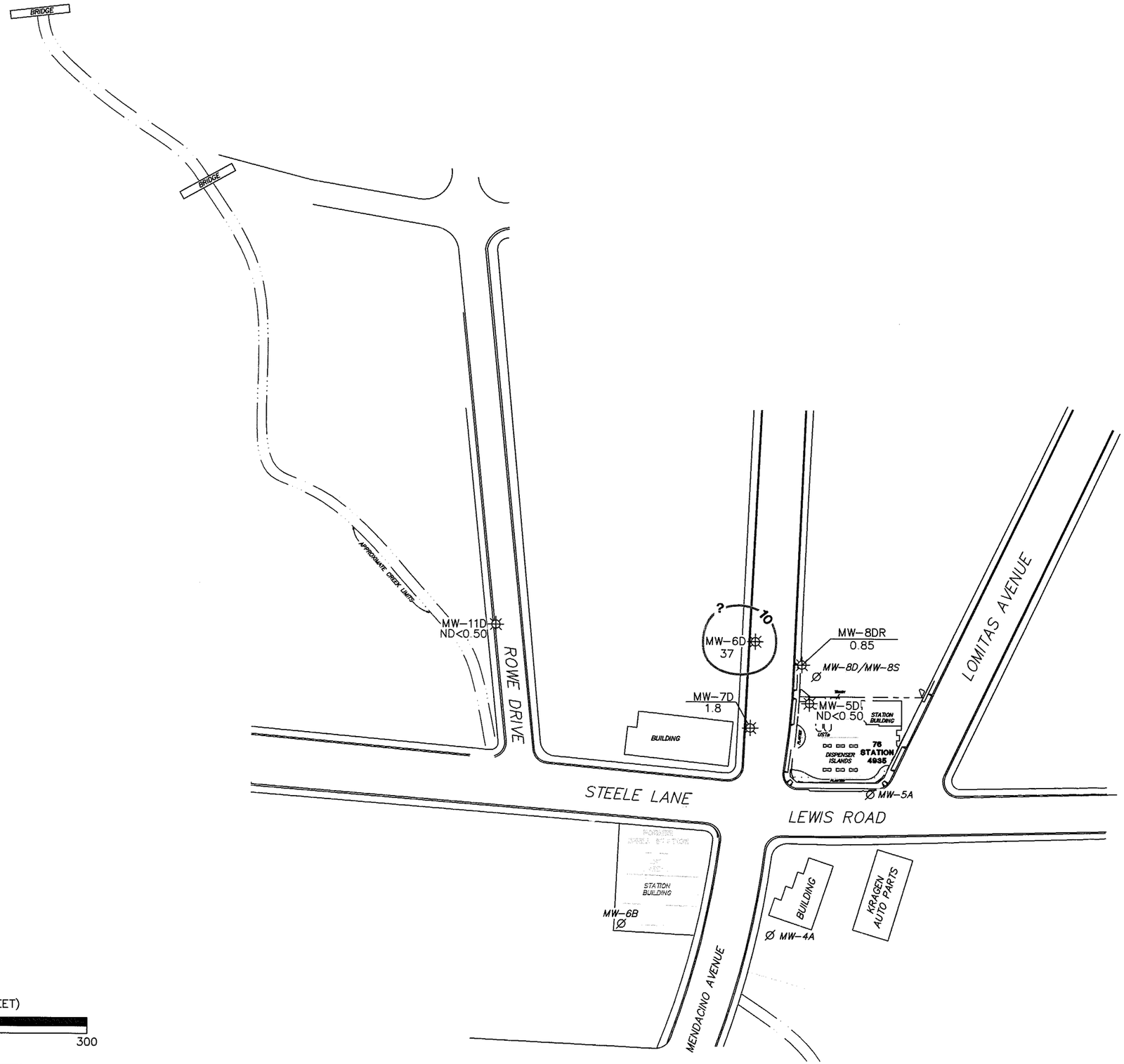


SCALE (FEET)

0 150 300

PS=1:1 4935-003

N

LEGEND

MW-8D 76 Deep Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

MW-8D/8S Abandoned Well

10 Dissolved-Phase MTBE Contour (µg/l)

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

DISSOLVED-PHASE MTBE CONCENTRATION MAP (Deep Wells) August 9, 2005

76 Station 4935
2200 Mendocino Avenue
Santa Rosa, California

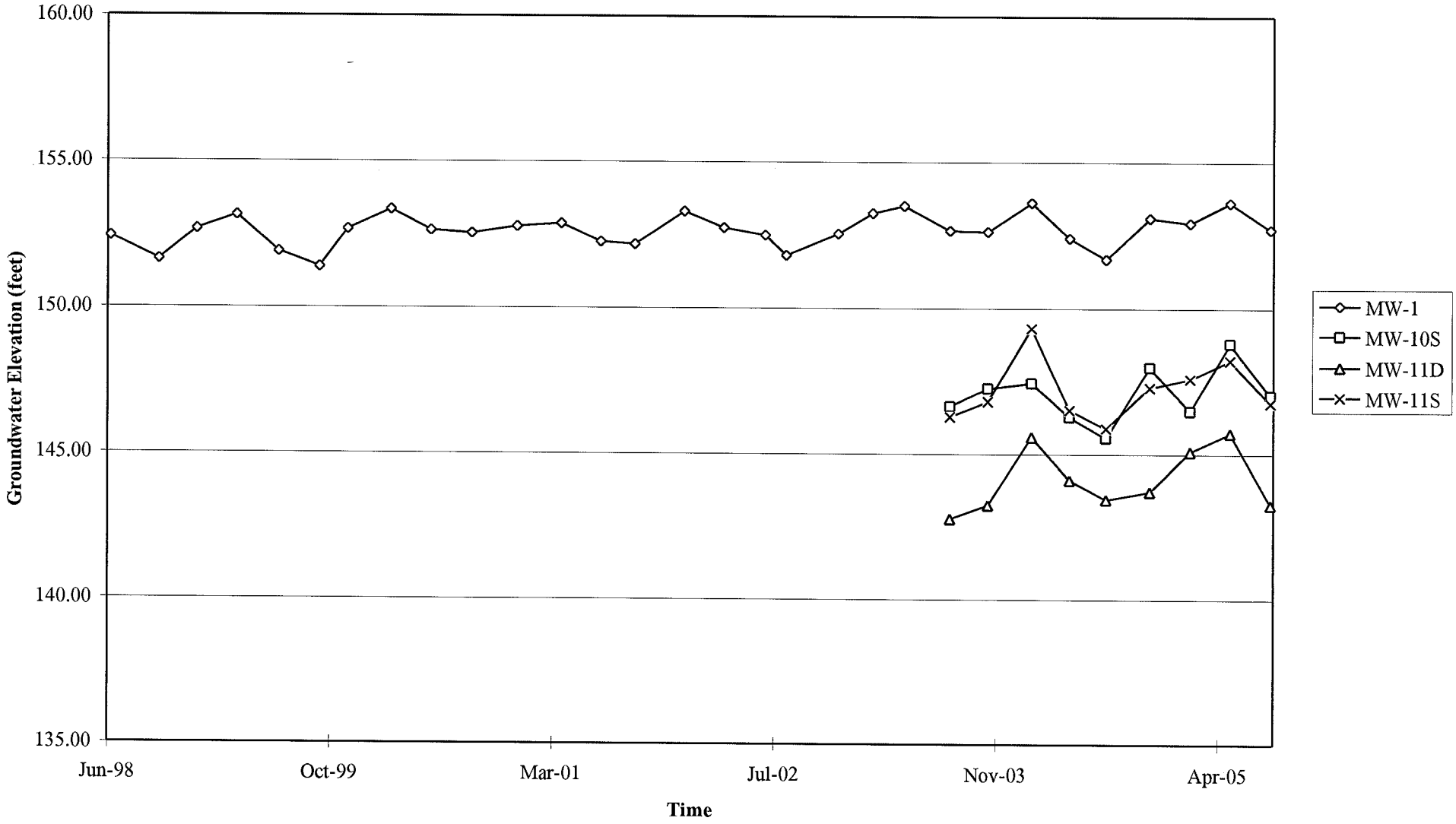
TRC

FIGURE 5B

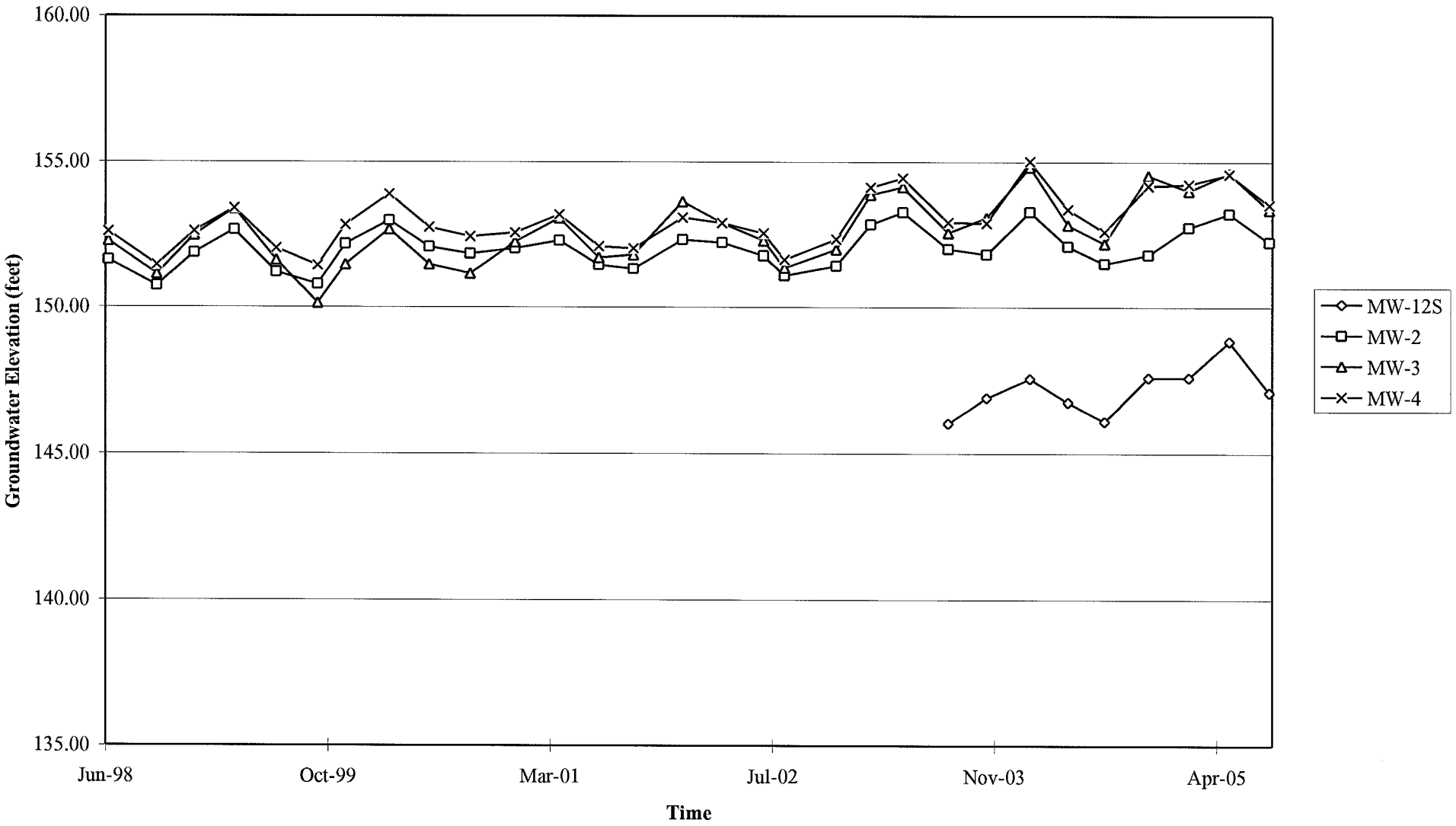
L:\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-4000\4935+\4935-QMS.dwg Sep 28, 2005 - 4:09pm rhughes

GRAPHS

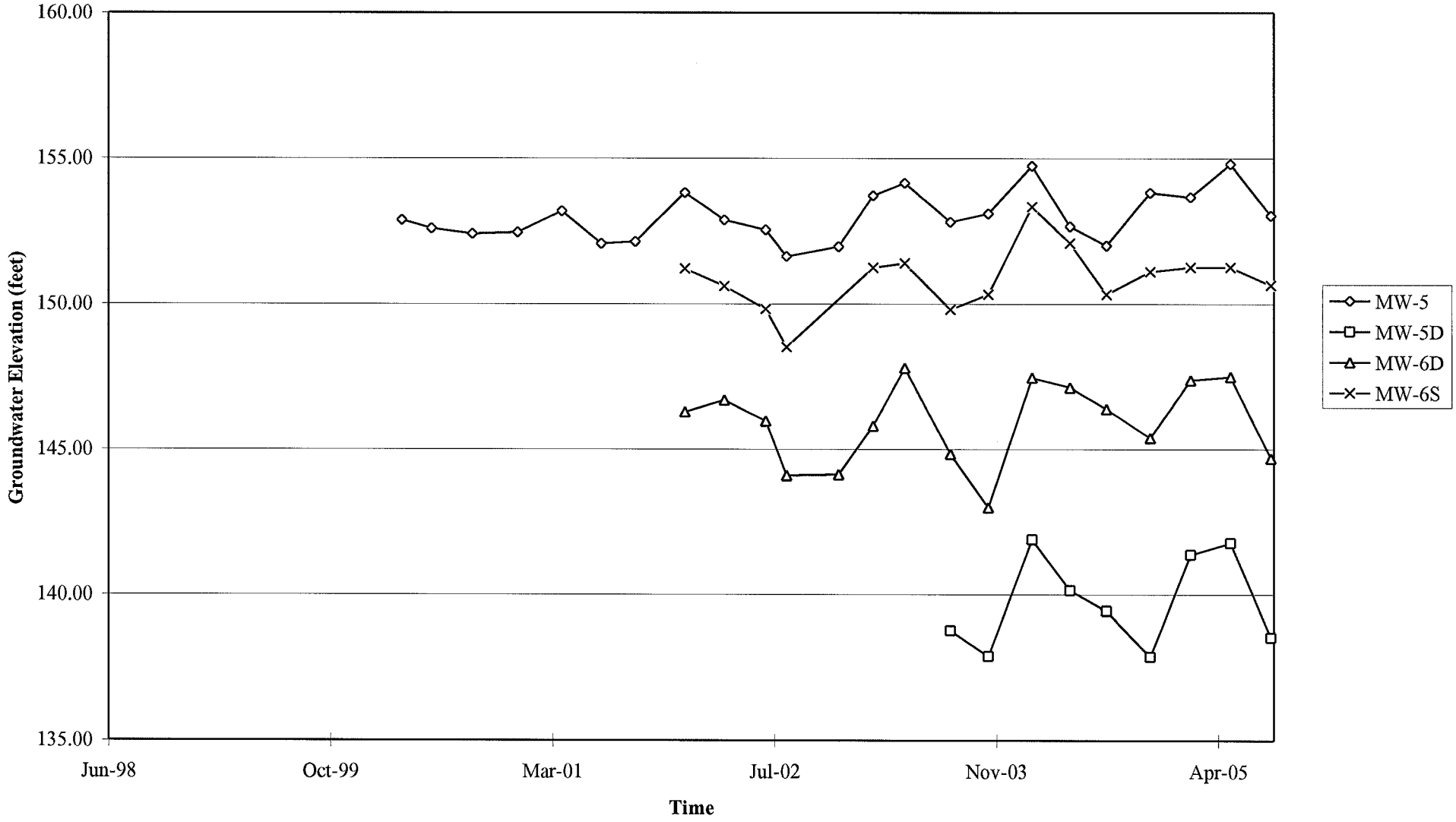
Groundwater Elevations vs. Time
76 Station 4935



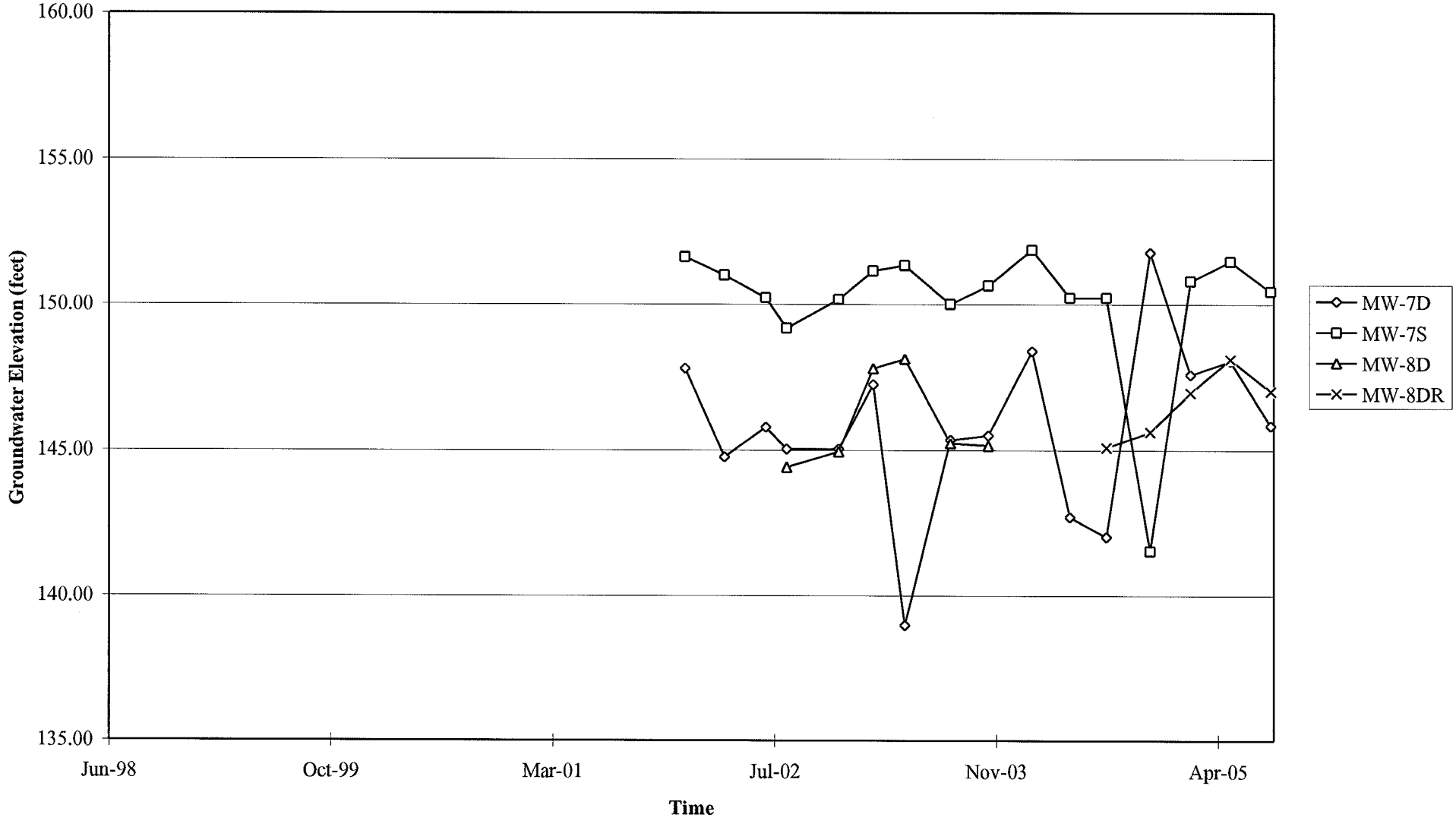
Groundwater Elevations vs. Time
76 Station 4935



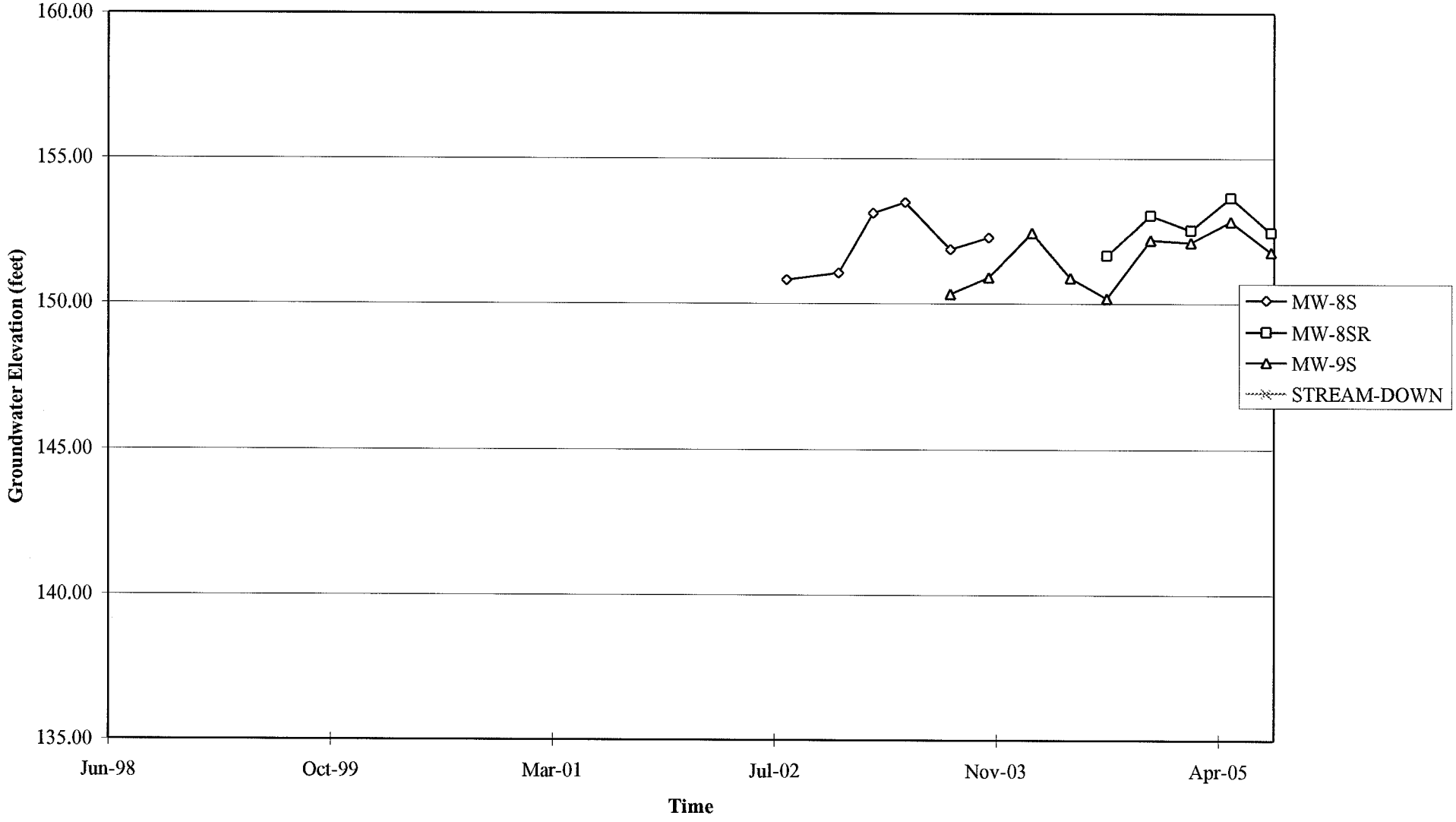
Groundwater Elevations vs. Time
76 Station 4935



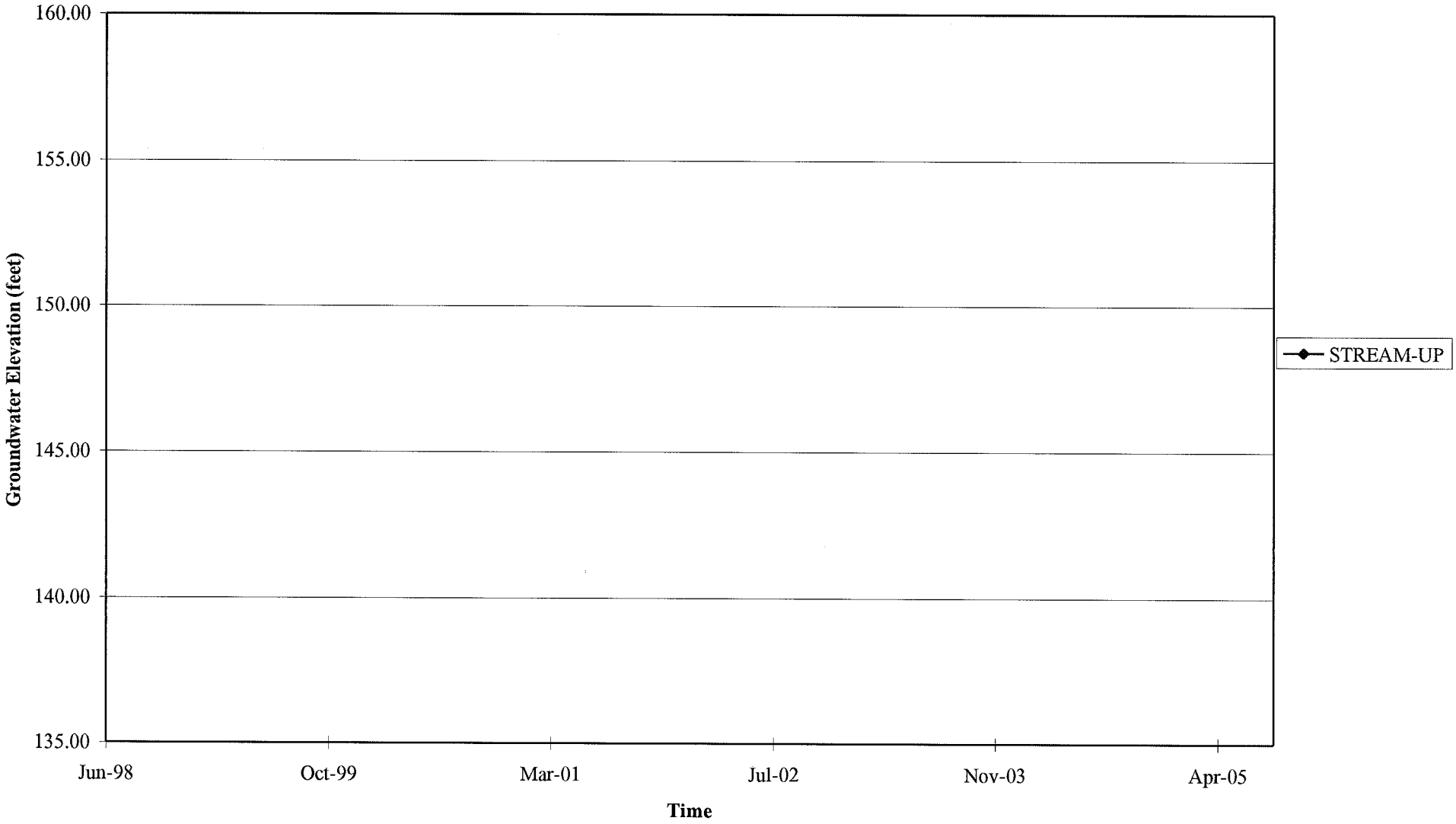
Groundwater Elevations vs. Time
76 Station 4935



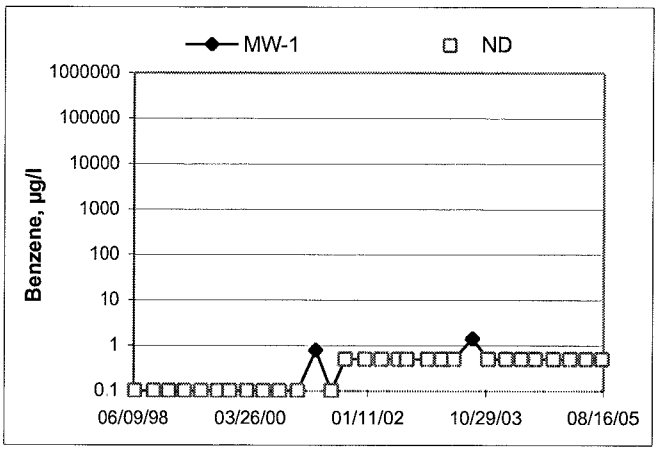
Groundwater Elevations vs. Time
76 Station 4935

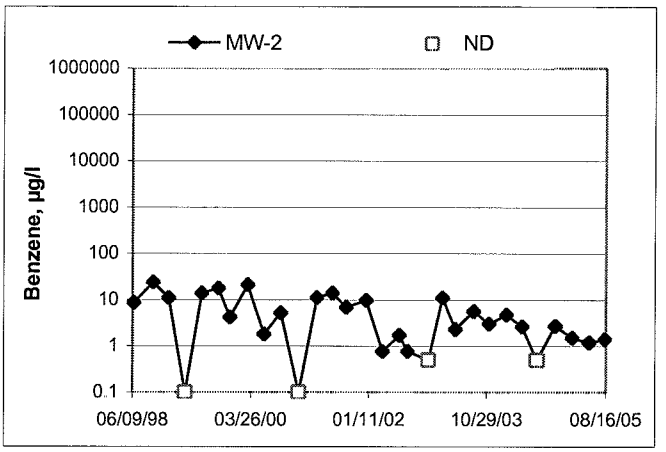


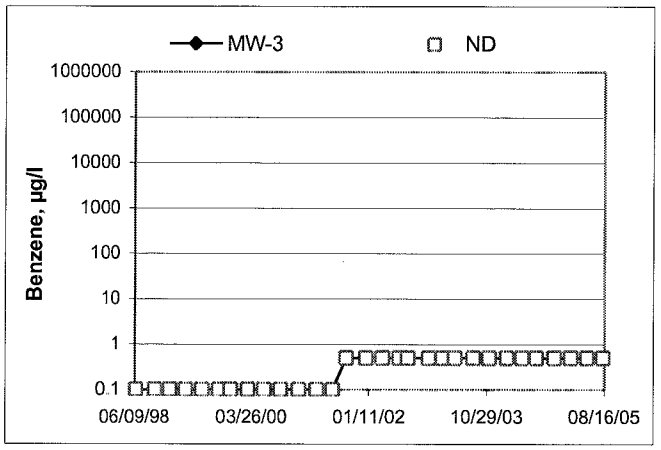
Groundwater Elevations vs. Time
76 Station 4935

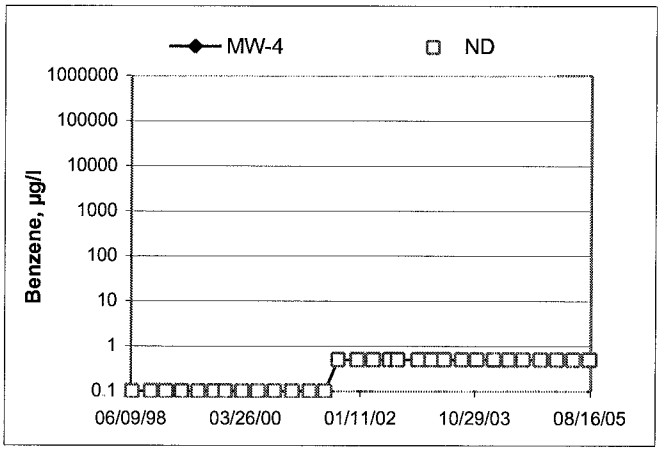


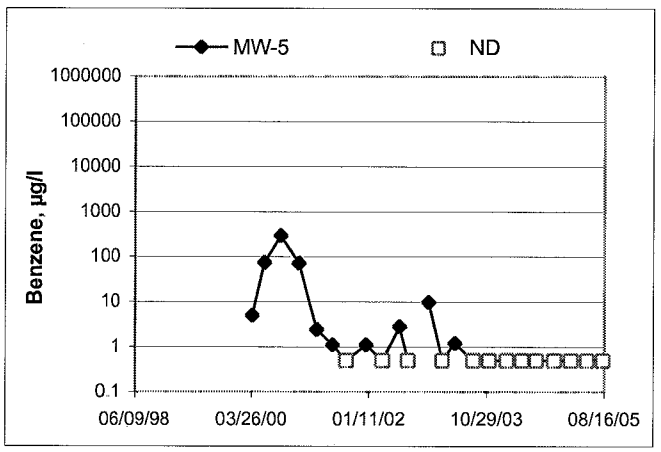
Benzene Concentrations vs Time
76 Station 4935

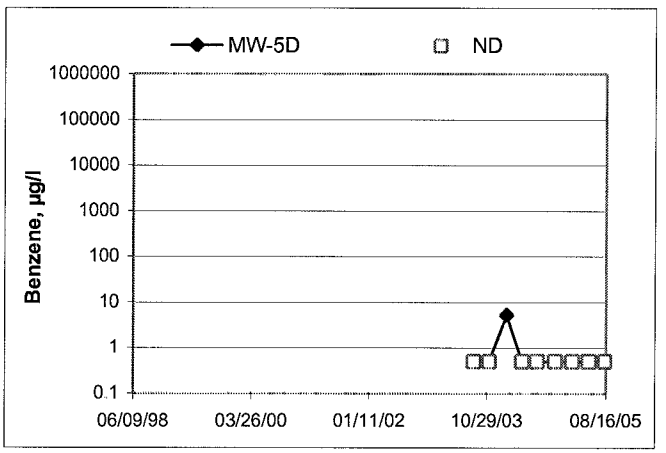


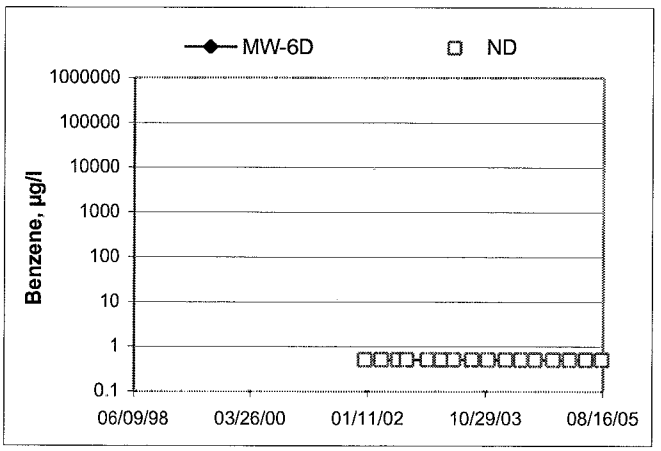


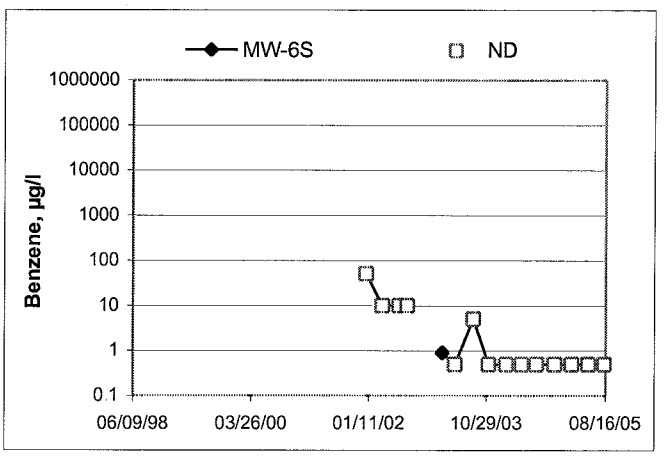




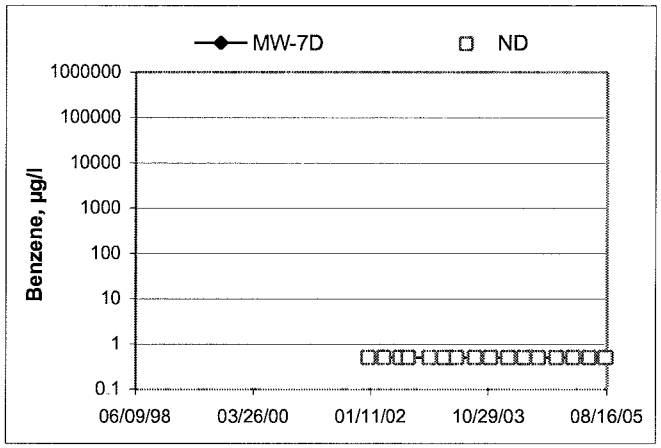


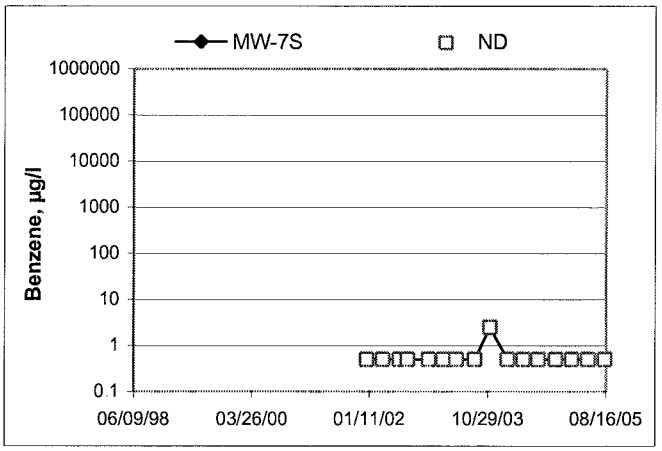


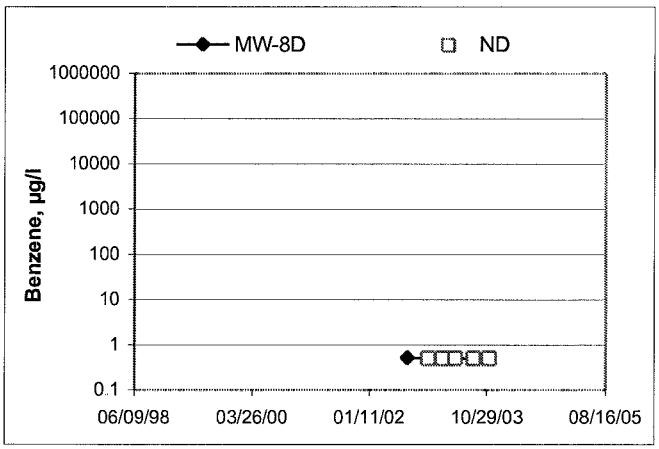


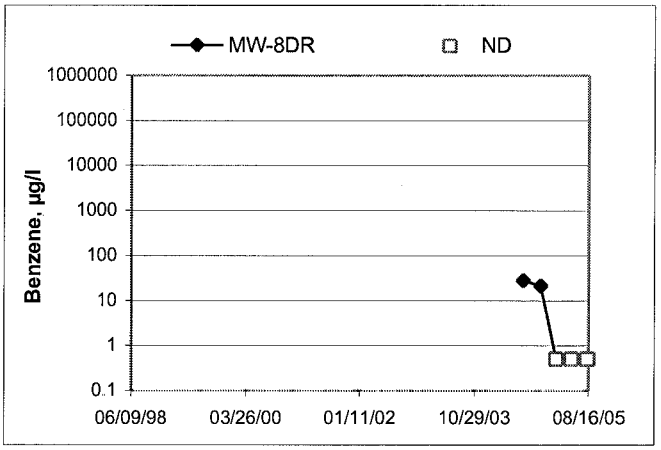


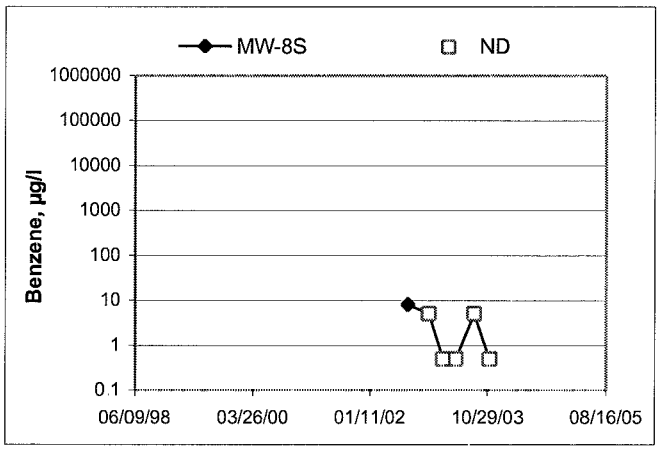
Benzene Concentrations vs Time
76 Station 4935

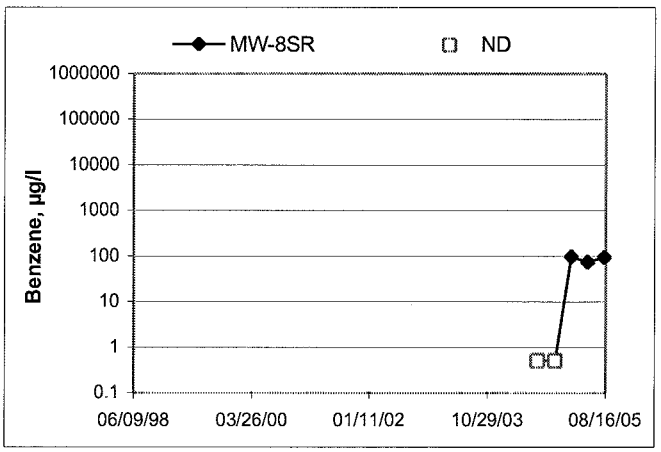


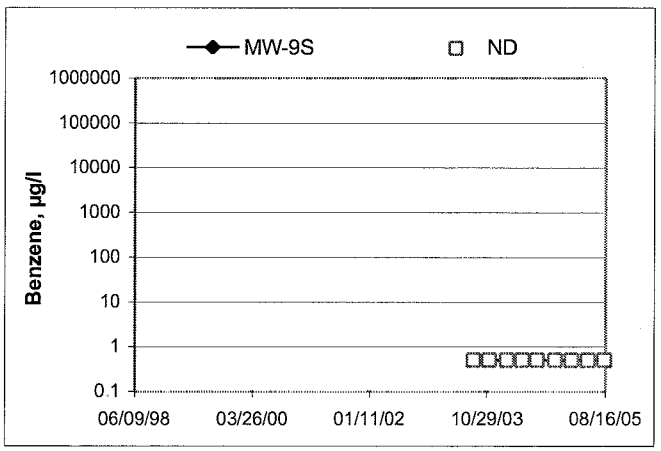


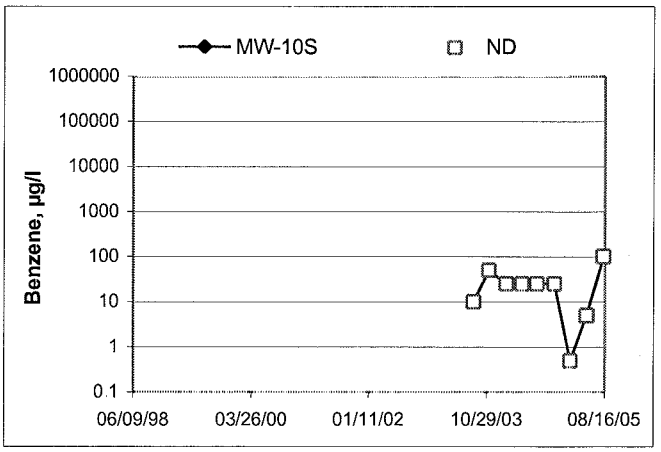




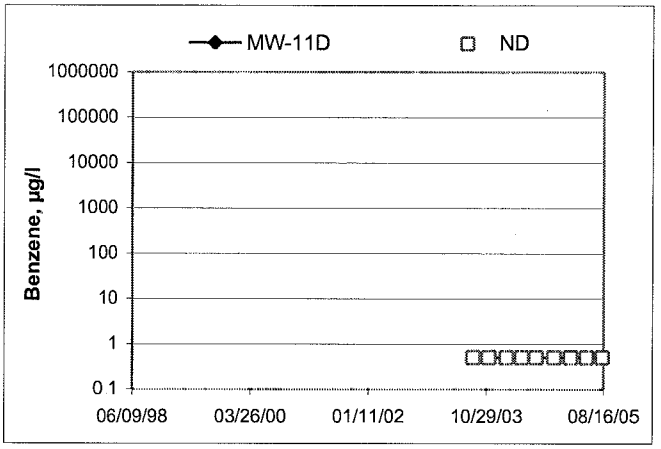


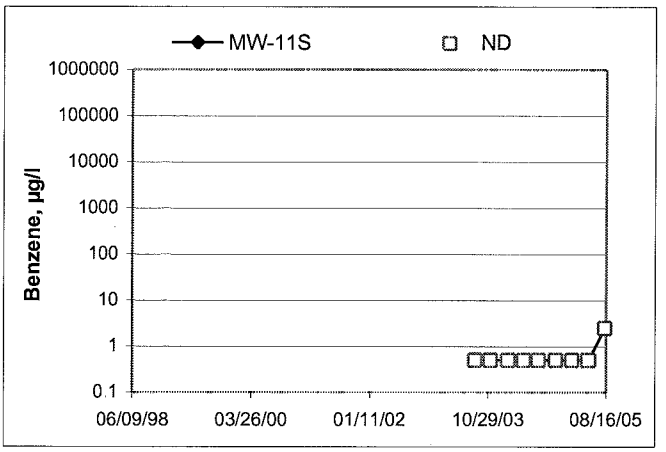


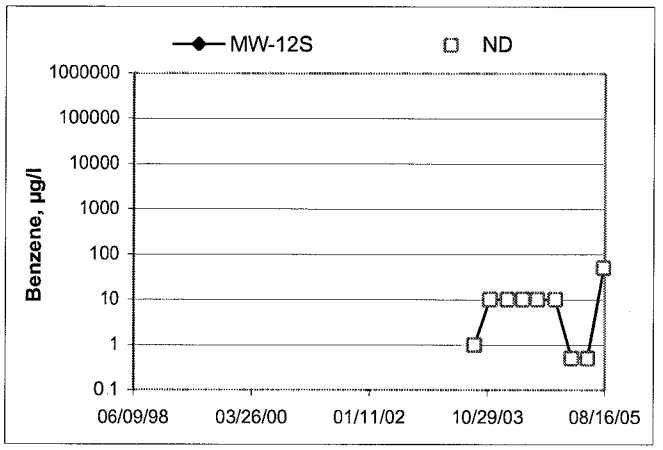




Benzene Concentrations vs Time
76 Station 4935







GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric of pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular wells, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: Rick R, Melissa Basi **Job #/Task #:** 41050001/FA20 **Date:** 08/09/05

Site # 4935 **Project Manager** A. Collins **Page** 1 **of** 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-10S	0652	✓	20.01	7.17	—	—	0912	2"
MW-11D	0657	✓	47.41	10.80	—	—	0839	2"
MW-12S	0701	✓	20.25	6.72	—	—	0857	2"
MW-6S	0638	✓	19.81	5.87	—	—	1045	2"
MW-7S	0644	✓	19.90	6.23	—	—	0951	2"
MW-8SR	0704	✓	20.98	5.63	—	—	1026	2"
MW-5D	0632	✓	20.04	18.94	—	—	0959	2"
MW-5	0638	✓	19.41	4.51	—	—	0744	2"
MW-3	0643	✓	19.29	4.83	—	—	0810	2"
MW-4	0649	✓	14.54	4.07	—	—	0836	2"
MW-1	0657	✓	19.66	4.89	—	—	0857	2"
MW-2	0705	✓	19.69	5.38	—	—	0923	2"
Down Stream	—	—	—	—	—	—	1016	
Up Stream	—	—	—	—	—	—	1031	taken further upstream
MW-9S	0637	✓	20.05	5.17	—	—	0918	2"
MW-8DR	0705	✓	39.77	10.93	—	—	1119	2"
MW-7D	0644	✓	39.09	11.13	—	—	1157	2"
MW-6D	0648	✓	40.08	11.55	—	—	1037	2"
MW-11S	0652	✓	20.11	7.35	—	—	0889	2"

FIELD DATA COMPLETE	QA/QC	COC	WELL BOX CONDITION SHEETS
WTT CERTIFICATE	MANIFEST	DRUM INVENTORY	TRAFFIC CONTROL

GROUND~~WATER SAM~~PLING FIELD NOTES

Technician: [illegible]

Site: 4935 Project No.: 4105001/FRW Date: 08/09/05

Well No.: MW-5D Purge Method: SUB

Depth to Water (feet): 18.90 Depth to Product (feet): d

Total Depth (feet): 70.04 LPH & Water Recovered (gallons): d

Water Column (feet): 51.1 Casing Diameter (inches): 2"

80% Recharge Depth (feet): ~~78.21~~ 29.16 1 Well Volume (gallons): 8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
0755	0759		8	228	20.0	7.66		
			16					
			24					

Static at Time Sampled	Total Gallons Purged	Time Sampled
30.17	10 gals	0959

Comments: Dry at 10 gallons. Didn't Recover in 45 minutes STATIC TIME (34.92) didn't Recharge in 2 Hours

Well No.: MW-5 Purge Method: ~~[illegible]~~ hb

Depth to Water (feet): 4.51 Depth to Product (feet): d

Total Depth (feet): 19.41 LPH & Water Recovered (gallons): d

Water Column (feet): 14.90 Casing Diameter (inches): 2"

80% Recharge Depth (feet): 7.49 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
0728			2	291	19.1	7.58		
			4	428	20.7	6.32		
	0737		6	407	20.5	6.52		

Static at Time Sampled	Total Gallons Purged	Time Sampled
4.53	6	0744

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: DIS

Site: 4935 Project No.: 4105C001/FA20 Date: 08/09/05

Well No.: MW-3 Purge Method: DIA

Depth to Water (feet): 4.83 Depth to Product (feet): 0

Total Depth (feet): 19.29 LPH & Water Recovered (gallons): 0

Water Column (feet): 14.46 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 7.72 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0754			2	368	18.3	6.62		
			4	358	19.0	6.07		
	0803		6	364	18.3	6.19		

Static at Time Sampled	Total Gallons Purged	Time Sampled
6.72	6	0810

Comments:

Well No.: MW-4 Purge Method: DIA

Depth to Water (feet): 4.07 Depth to Product (feet): 0

Total Depth (feet): 14.54 LPH & Water Recovered (gallons): 0

Water Column (feet): 10.47 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 6.16 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0825			2	409	21.8	6.66		
			4	397	21.2	6.54		
	0831		6	401	20.6	7.36		

Static at Time Sampled	Total Gallons Purged	Time Sampled
6.12	6	0836

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: [illegible]

Site: 4435 Project No.: 4105000.1/FA20 Date: 08/09/05

Well No.: MW-1 Purge Method: DIA

Depth to Water (feet): 4.89 Depth to Product (feet): 0

Total Depth (feet): 19.66 LPH & Water Recovered (gallons): 0

Water Column (feet): 14.77 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 7.84 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0844			2	314	20.7	7.18		
			4	331	20.5	6.90		
	0852		6	326	20.4	7.38		

Static at Time Sampled	Total Gallons Purged	Time Sampled
5.39	6	0857

Comments:

Well No.: MW-2 Purge Method: DIA

Depth to Water (feet): 5.38 Depth to Product (feet): 0

Total Depth (feet): 19.69 LPH & Water Recovered (gallons): 0

Water Column (feet): 14.31 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.24 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0907			2	344	20.9	6.38		
			4	356	20.5	6.05		
	0915		6	359	21.2	6.46		

Static at Time Sampled	Total Gallons Purged	Time Sampled
6.28	6	0923

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Rick R.

Site: 4935 Project No.: 41050001 Date: 08/09/05

Well No.: MW-12S Purge Method: DIA

Depth to Water (feet): 6.72 Depth to Product (feet): 0

Total Depth (feet): 20.25 LPH & Water Recovered (gallons): 0

Water Column (feet): 13.53 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 9.43 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	Turbidity	D.O.
0829			2	836	17.5	6.93		
			4	865	18.4	6.97		
	0831		6	879	18.2	7.03		

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.04	6	0857

Comments:

Well No.: MW-6S Purge Method: DIA

Depth to Water (feet): 5.87 Depth to Product (feet): 0

Total Depth (feet): 19.81 LPH & Water Recovered (gallons): 0

Water Column (feet): 13.94 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.66 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F/C)	pH	Turbidity	D.O.
0941			2	376	22.1	7.05		
			4	369	22.8	6.50		
	0943		6	366	23.7	6.37		

Static at Time Sampled	Total Gallons Purged	Time Sampled
5.93	6	1045

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Rick R.

Site: 4935 Project No.: 41050001 Date: 08/09/05

Well No.: MW-7S Purge Method: DIA

Depth to Water (feet): 6.23 Depth to Product (feet): 0

Total Depth (feet): 19.90 LPH & Water Recovered (gallons): 0

Water Column (feet): 13.67 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.96 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0943			2	463	20.2	6.65		
			4	451	21.5	6.60		
	0945		6	447	21.4	6.61		

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.08	6	0951

Comments:

Well No.: MW-8SR Purge Method: DIA

Depth to Water (feet): 5.63 Depth to Product (feet): 0

Total Depth (feet): 20.98 LPH & Water Recovered (gallons): 0

Water Column (feet): 15.35 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.70 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
1014			2	482	20.1	6.82		
			4	466	20.7	6.80		
	1019		6	456	20.9	6.80		

Static at Time Sampled	Total Gallons Purged	Time Sampled
5.91	6	1026

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Rick R.

Site: 4935 Project No.: 41050001 Date: 08/09/05

Well No.: MW-10 S Purge Method: DIA

Depth to Water (feet): 7.17 Depth to Product (feet): 0

Total Depth (feet): 20.01 LPH & Water Recovered (gallons): 0

Water Column (feet): 12.84 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 9.74 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
0758			2	705	16.6	6.66		
			4	688	18.8	6.75		
	0800		6	685	18.4	6.92		

Static at Time Sampled	Total Gallons Purged	Time Sampled
7.70	6	0912

Comments:

Well No.: MW-11D Purge Method: Sub

Depth to Water (feet): 10.80 Depth to Product (feet): 0

Total Depth (feet): 47.41 LPH & Water Recovered (gallons): 0

Water Column (feet): 36.61 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 18.12 1 Well Volume (gallons): 6

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
0812			6	407	17.5	7.03		
			12	378	17.9	7.04		
	0821		18	370	18.1	7.04		

Static at Time Sampled	Total Gallons Purged	Time Sampled
10.95	18	0839

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Melissa

Site: 4935 Project No.: 41050001 Date: 08-09-05

Well No.: MW-9S Purge Method: Sub

Depth to Water (feet): 5.17 Depth to Product (feet): 0

Total Depth (feet): 20.09 LPH & Water Recovered (gallons): 0

Water Column (feet): 14.92 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.15 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0910			2	408	19.8	6.64		
			4	396	22.1	6.52		
	0912		6	391	23.3	6.35		

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.10	6	0918

Comments:

Well No.: MW-8DR Purge Method: Sub

Depth to Water (feet): 10.93 Depth to Product (feet): 0

Total Depth (feet): 39.77 LPH & Water Recovered (gallons): 0

Water Column (feet): 28.84 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 16.69 1 Well Volume (gallons): 5

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
1006			5	189	22.5	7.89		
			10	179	22.1	8.19		
	1019		15	183	21.8	8.29		

Static at Time Sampled	Total Gallons Purged	Time Sampled
12.89	15	1119

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Melissa

Site: 4935 Project No.: 41050001 Date: 08-09-05

Well No.: MW-7D

Depth to Water (feet): 11.13

Total Depth (feet): 39.09

Water Column (feet): 27.96

80% Recharge Depth (feet): 16.72

Purge Method: Sub

Depth to Product (feet): Ø

LPH & Water Recovered (gallons): Ø

Casing Diameter (Inches): 2"

1 Well Volume (gallons): 5

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
0949	0957		5	456	20.4	6.75		
	~~2957~~		10					
			15					

Static at Time Sampled	Total Gallons Purged	Time Sampled
17.12	8	1157

Comments: DRY AT 8 GAL. DIDN'T RECHARGE AFTER 45MIN. STATIC WAS 22.85 @ 1052. DIDN'T RECOVER AFTER 2HRS

Well No.: MW-6D

Depth to Water (feet): 11.55

Total Depth (feet): 40.08

Water Column (feet): 28.53

80% Recharge Depth (feet): 17.25

Purge Method: Sub

Depth to Product (feet): Ø

LPH & Water Recovered (gallons): Ø

Casing Diameter (Inches): 2"

1 Well Volume (gallons): 5

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
0927	0930		5	255	21.5	9.18		
			10					
			15					

Static at Time Sampled	Total Gallons Purged	Time Sampled
16.65	8	1037

Comments: Dry at 8 gallons. Didn't Recharge 45 mins.

GROUNDWATER SAMPLING FIELD NOTES

Technician: Melissa

Site: 4935 Project No.: 41050001 Date: 08-09-05

Well No.: MW-115 Purge Method: Sub

Depth to Water (feet): 7.35 Depth to Product (feet): 0

Total Depth (feet): 20.11 LPH & Water Recovered (gallons): 0

Water Column (feet): 12.76 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 9.90 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.
0809			2	436	18.5	7.17		
			4	489	20.9	6.96		
	0811		6	517	21.0	6.65		

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.19	6	0819

Comments:

Well No.: Purge Method:

Depth to Water (feet): Depth to Product (feet):

Total Depth (feet): LPH & Water Recovered (gallons):

Water Column (feet): Casing Diameter (Inches):

80% Recharge Depth (feet): 1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F,C)	pH	Turbidity	D.O.

Static at Time Sampled	Total Gallons Purged	Time Sampled

Comments:

SEVERN TRENT STL

Submission#: 2005-08-0311

TRC Alton Geoscience- Irvine

August 31, 2005

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips #4935
Site: 2200 Mendocino Ave., Santa Rosa

Attached is our report for your samples received on 08/10/2005 15:20
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/24/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-10S	08/09/2005 09:12	Water	1
MW-11S	08/09/2005 08:19	Water	2
MW-12S	08/09/2005 08:57	Water	3

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	5030	Test(s):	8015M
Sample ID:	**MW-10S**	Lab ID:	2005-08-0311 - 1
Sampled:	08/09/2005 09:12	Extracted:	8/12/2005 16:37
Matrix:	Water	QC Batch#:	2005/08/12-01.05

Analysis Flag: L1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	5000	ug/L	100.00	08/12/2005 16:37	
Surrogate(s)						
4-Bromofluorobenzene-FID	83.7	50-150	%	1.00	08/12/2005 16:37	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	5030	Test(s):	8015M
Sample ID:	**MW-11S**	Lab ID:	2005-08-0311 - 2
Sampled:	08/09/2005 08:19	Extracted:	8/12/2005 17:04
Matrix:	Water	QC Batch#:	2005/08/12-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	92	50	ug/L	1.00	08/12/2005 17:04	Q1
Surrogate(s)						
4-Bromofluorobenzene-FID	80.5	50-150	%	1.00	08/12/2005 17:04	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	5030	Test(s):	8015M
Sample ID:	**MW-12S**	Lab ID:	2005-08-0311 - 3
Sampled:	08/09/2005 08:57	Extracted:	8/12/2005 17:31
Matrix:	Water	QC Batch#:	2005/08/12-01.05

Analysis Flag: L1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	2500	ug/L	50.00	08/12/2005 17:31	
Surrogate(s)						
4-Bromofluorobenzene-FID	84.5	50-150	%	1.00	08/12/2005 17:31	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
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Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Batch QC Report

Prep(s): 5030 Test(s): 8015M
Method Blank **Water** **QC Batch # 2005/08/12-01.05**
MB: 2005/08/12-01.05-001 Date Extracted: 08/12/2005 10:11

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	08/12/2005 10:11	
Surrogates(s)					
4-Bromofluorobenzene-FID	73.4	50-150	%	08/12/2005 10:11	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2005/08/12-01.05**

LCS 2005/08/12-01.05-002 Extracted: 08/12/2005 Analyzed: 08/12/2005 10:37
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
GRO (C6-C12)	242		250	96.8			75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	410		500	82.0			50-150	0		

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/08/12-01.05**

MS/MSD Lab ID: 2005-08-0305 - 004

MS: 2005/08/12-01.05-003 Extracted: 08/12/2005 Analyzed: 08/12/2005 17:58
Dilution: 5.00

MSD: 2005/08/12-01.05-004 Extracted: 08/12/2005 Analyzed: 08/12/2005 18:26
Dilution: 5.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
GRO (C6-C12)	2030	2060	880	1250	92.0	94.4	2.6	65-135	20		
Surrogate(s)											
4-Bromofluorobenzene-FID	437	427		500	87.4	85.4		50-150	0		

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Legend and Notes

Analysis Flag

L1

Reporting limits raised due to high level of non-target analyte materials.

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

SEVERN TRENT STL

Submission: 2005-08-0311

Alcohols by GC-FID

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-10S	08/09/2005 09:12	Water	1
MW-11S	08/09/2005 08:19	Water	2
MW-12S	08/09/2005 08:57	Water	3
MW-11D	08/09/2005 08:39	Water	4
MW-6S	08/09/2005 10:45	Water	5
MW-7S	08/09/2005 09:51	Water	6
MW-8SR	08/09/2005 10:26	Water	7
MW-5D	08/09/2005 09:59	Water	8
MW-5	08/09/2005 07:44	Water	9
MW-3	08/09/2005 08:10	Water	10
MW-4	08/09/2005 08:36	Water	11
MW-1	08/09/2005 08:57	Water	12
MW-2	08/09/2005 09:23	Water	13
DOWN STREAM	08/09/2005 10:16	Water	14
UP STREAM	08/09/2005 10:31	Water	15
MW-9S	08/09/2005 09:18	Water	16
MW-8DR	08/09/2005 11:19	Water	17
MW-7D	08/09/2005 11:57	Water	18
MW-6D	08/09/2005 10:37	Water	19

Alcohols by GC-FID

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-10S**	Lab ID:	2005-08-0311 - 1
Sampled:	08/09/2005 09:12	Extracted:	8/12/2005 13:15
Matrix:	Water	QC Batch#:	2005/08/12-02.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/12/2005 13:15	
Surrogate(s)						
n-Butyl alcohol	99.6	60-130	%	1.00	08/12/2005 13:15	

Alcohols by GC-FID

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-11S**	Lab ID:	2005-08-0311 - 2
Sampled:	08/09/2005 08:19	Extracted:	8/12/2005 13:28
Matrix:	Water	QC Batch#:	2005/08/12-02.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/12/2005 13:28	
Surrogate(s)						
n-Butyl alcohol	101.7	60-130	%	1.00	08/12/2005 13:28	

Alcohols by GC-FID

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-12S**	Lab ID:	2005-08-0311 - 3
Sampled:	08/09/2005 08:57	Extracted:	8/12/2005 13:41
Matrix:	Water	QC Batch#:	2005/08/12-02.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/12/2005 13:41	
Surrogate(s)						
n-Butyl alcohol	95.8	60-130	%	1.00	08/12/2005 13:41	

Alcohols by GC-FID

TRC Alton Geoscience- Irvine
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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-11D**	Lab ID:	2005-08-0311 - 4
Sampled:	08/09/2005 08:39	Extracted:	8/12/2005 13:55
Matrix:	Water	QC Batch#:	2005/08/12-02.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/12/2005 13:55	
Surrogate(s)						
n-Butyl alcohol	102.6	60-130	%	1.00	08/12/2005 13:55	

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-6S**	Lab ID:	2005-08-0311 - 5
Sampled:	08/09/2005 10:45	Extracted:	8/12/2005 14:08
Matrix:	Water	QC Batch#:	2005/08/12-02.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/12/2005 14:08	
Surrogate(s)						
n-Butyl alcohol	102.9	60-130	%	1.00	08/12/2005 14:08	

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-7S**	Lab ID:	2005-08-0311 - 6
Sampled:	08/09/2005 09:51	Extracted:	8/12/2005 14:21
Matrix:	Water	QC Batch#:	2005/08/12-02.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/12/2005 14:21	
Surrogate(s)						
n-Butyl alcohol	105.5	60-130	%	1.00	08/12/2005 14:21	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-8SR**	Lab ID:	2005-08-0311 - 7
Sampled:	08/09/2005 10:26	Extracted:	8/12/2005 14:34
Matrix:	Water	QC Batch#:	2005/08/12-02.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	2.7	0.50	mg/L	1.00	08/12/2005 14:34	
Surrogate(s)						
n-Butyl alcohol	96.2	60-130	%	1.00	08/12/2005 14:34	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-5D**	Lab ID:	2005-08-0311 - 8
Sampled:	08/09/2005 09:59	Extracted:	8/12/2005 14:48
Matrix:	Water	QC Batch#:	2005/08/12-02.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/12/2005 14:48	
Surrogate(s)						
n-Butyl alcohol	100.9	60-130	%	1.00	08/12/2005 14:48	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-5**	Lab ID:	2005-08-0311 - 9
Sampled:	08/09/2005 07:44	Extracted:	8/12/2005 15:01
Matrix:	Water	QC Batch#:	2005/08/12-02.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/12/2005 15:01	
Surrogate(s)						
n-Butyl alcohol	103.3	60-130	%	1.00	08/12/2005 15:01	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-3**	Lab ID:	2005-08-0311 - 10
Sampled:	08/09/2005 08:10	Extracted:	8/12/2005 15:14
Matrix:	Water	QC Batch#:	2005/08/12-02.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/12/2005 15:14	
Surrogate(s)						
n-Butyl alcohol	101.3	60-130	%	1.00	08/12/2005 15:14	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-4**	Lab ID:	2005-08-0311 - 11
Sampled:	08/09/2005 08:36	Extracted:	8/12/2005 15:41
Matrix:	Water	QC Batch#:	2005/08/12-02.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/12/2005 15:41	
Surrogate(s)						
n-Butyl alcohol	102.9	60-130	%	1.00	08/12/2005 15:41	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-1**	Lab ID:	2005-08-0311 - 12
Sampled:	08/09/2005 08:57	Extracted:	8/16/2005 13:23
Matrix:	Water	QC Batch#:	2005/08/16-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/16/2005 13:23	
Surrogate(s)						
n-Butyl alcohol	92.7	60-130	%	1.00	08/16/2005 13:23	

Alcohols by GC-FID

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Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-2**	Lab ID:	2005-08-0311 - 13
Sampled:	08/09/2005 09:23	Extracted:	8/16/2005 14:03
Matrix:	Water	QC Batch#:	2005/08/16-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/16/2005 14:03	
Surrogate(s)						
n-Butyl alcohol	96.1	60-130	%	1.00	08/16/2005 14:03	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**DOWN STREAM**	Lab ID:	2005-08-0311 - 14
Sampled:	08/09/2005 10:16	Extracted:	8/16/2005 14:16
Matrix:	Water	QC Batch#:	2005/08/16-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/16/2005 14:16	
Surrogate(s)						
n-Butyl alcohol	96.4	60-130	%	1.00	08/16/2005 14:16	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**UP STREAM**	Lab ID:	2005-08-0311 - 15
Sampled:	08/09/2005 10:31	Extracted:	8/16/2005 14:29
Matrix:	Water	QC Batch#:	2005/08/16-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/16/2005 14:29	
Surrogate(s)						
n-Butyl alcohol	96.6	60-130	%	1.00	08/16/2005 14:29	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-9S**	Lab ID:	2005-08-0311 - 16
Sampled:	08/09/2005 09:18	Extracted:	8/16/2005 14:43
Matrix:	Water	QC Batch#:	2005/08/16-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/16/2005 14:43	
Surrogate(s)						
n-Butyl alcohol	94.8	60-130	%	1.00	08/16/2005 14:43	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-8DR**	Lab ID:	2005-08-0311 - 17
Sampled:	08/09/2005 11:19	Extracted:	8/16/2005 14:56
Matrix:	Water	QC Batch#:	2005/08/16-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/16/2005 14:56	
Surrogate(s)						
n-Butyl alcohol	100.2	60-130	%	1.00	08/16/2005 14:56	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-7D**	Lab ID:	2005-08-0311 - 18
Sampled:	08/09/2005 11:57	Extracted:	8/16/2005 15:09
Matrix:	Water	QC Batch#:	2005/08/16-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/16/2005 15:09	
Surrogate(s)						
n-Butyl alcohol	99.7	60-130	%	1.00	08/16/2005 15:09	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	8015M Alcohols	Test(s):	8015Mod
Sample ID:	**MW-6D**	Lab ID:	2005-08-0311 - 19
Sampled:	08/09/2005 10:37	Extracted:	8/16/2005 15:22
Matrix:	Water	QC Batch#:	2005/08/16-01.20

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methanol	ND	0.50	mg/L	1.00	08/16/2005 15:22	
Surrogate(s)						
n-Butyl alcohol	96.1	60-130	%	1.00	08/16/2005 15:22	

Alcohols by GC-FID

TRC Alton Geoscience- Irvine
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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Batch QC Report

Prep(s): 8015M Alcohols — Test(s): 8015Mod

Method Blank — **Water** — **QC Batch # 2005/08/12-02.20**

MB: 2005/08/12-02.20-002 — Date Extracted: 08/12/2005 11:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Methanol	ND	0.5	mg/L	08/12/2005 11:16	
Surrogates(s)					
n-Butyl alcohol	96.6	60-130	%	08/12/2005 11:16	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Batch QC Report

Prep(s): 8015M Alcohols — Test(s): 8015Mod

Method Blank — **Water** — **QC Batch # 2005/08/16-01.20**

MB: 2005/08/16-01.20-002 — Date Extracted: 08/16/2005 13:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Methanol	ND	0.50	mg/L	08/16/2005 13:03	
Surrogates(s)					
n-Butyl alcohol	94.6	60-130	%	08/16/2005 13:03	

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Batch QC Report

Prep(s): 8015M Alcohols

Test(s): 8015Mod

Laboratory Control Spike **Water** **QC Batch # 2005/08/12-02.20**

LCS 2005/08/12-02.20-001 Extracted: 08/12/2005 Analyzed: 08/12/2005 11:03
LCSD

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methanol	50.2		50.0	100.4			60-130	25		
Surrogates(s)										
n-Butyl alcohol	51.8		50	103.6			60-130	0		

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Batch QC Report

Prep(s): 8015M Alcohols

Test(s): 8015Mod

Laboratory Control Spike **Water** **QC Batch # 2005/08/16-01.20**

LCS 2005/08/16-01.20-001 Extracted: 08/16/2005 Analyzed: 08/16/2005 12:49
LCSD

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methanol	50.3		50.0	100.6			60-130	25		
Surrogates(s)										
n-Butyl alcohol	51.4		50	102.8			60-130	0		

Alcohols by GC-FID

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Project: 41050001FA20
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Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Batch QC Report

Prep(s): 8015M Alcohols

Test(s): 8015Mod

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/08/12-02.20**

MS/MSD

Lab ID: 2005-08-0245 - 005

MS: 2005/08/12-02.20-003 Extracted: 08/12/2005 Analyzed: 08/12/2005 11:43
Dilution: 1.00

MSD: 2005/08/12-02.20-004 Extracted: 08/12/2005 Analyzed: 08/12/2005 11:56
Dilution: 1.00

Compound	Conc. mg/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methanol	54.6	51.0	ND	50.0	109.2	102.0	6.8	60-130	25		
Surrogate(s)											
n-Butyl alcohol	54.8	51.9		50	109.6	103.8		60-130	0		

Alcohols by GC-FID

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Batch QC Report

Prep(s): 8015M Alcohols

Test(s): 8015Mod

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/08/16-01.20**

MW-1 >> MS

Lab ID: 2005-08-0311 - 012

MS: 2005/08/16-01.20-003 Extracted: 08/16/2005 Analyzed: 08/16/2005 13:36
Dilution: 1.00

MSD: 2005/08/16-01.20-004 Extracted: 08/16/2005 Analyzed: 08/16/2005 13:50
Dilution: 1.00

Compound	Conc. mg/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methanol	51.7	46.5	ND	50.0	103.4	93.0	10.6	60-130	25		
Surrogate(s)											
n-Butyl alcohol	52.2	47.6		50	104.4	95.2		60-130	0		

SEVERN TRENT STL

Submission: 2005-08-0311

Volatile Organic Compounds by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-10S	08/09/2005 09:12	Water	1
MW-11S	08/09/2005 08:19	Water	2
MW-12S	08/09/2005 08:57	Water	3

Volatile Organic Compounds by 8260B

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Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-10S**	Lab ID:	2005-08-0311 - 1
Sampled:	08/09/2005 09:12	Extracted:	8/23/2005 18:37
Matrix:	Water	QC Batch#:	2005/08/23-1B.60

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	1000	ug/L	200.00	08/23/2005 18:37	
Acetone	ND	10000	ug/L	200.00	08/23/2005 18:37	
Benzene	ND	100	ug/L	200.00	08/23/2005 18:37	
Bromodichloromethane	ND	100	ug/L	200.00	08/23/2005 18:37	
Bromobenzene	ND	200	ug/L	200.00	08/23/2005 18:37	
Bromochloromethane	ND	200	ug/L	200.00	08/23/2005 18:37	
Bromoform	ND	100	ug/L	200.00	08/23/2005 18:37	
Bromomethane	ND	200	ug/L	200.00	08/23/2005 18:37	
2-Butanone(MEK)	ND	10000	ug/L	200.00	08/23/2005 18:37	
n-Butylbenzene	ND	200	ug/L	200.00	08/23/2005 18:37	
sec-Butylbenzene	ND	200	ug/L	200.00	08/23/2005 18:37	
tert-Butylbenzene	ND	200	ug/L	200.00	08/23/2005 18:37	
Carbon disulfide	ND	1000	ug/L	200.00	08/23/2005 18:37	
Carbon tetrachloride	ND	100	ug/L	200.00	08/23/2005 18:37	
Chlorobenzene	ND	100	ug/L	200.00	08/23/2005 18:37	
Chloroethane	ND	200	ug/L	200.00	08/23/2005 18:37	
Chloroform	ND	200	ug/L	200.00	08/23/2005 18:37	
Chloromethane	ND	200	ug/L	200.00	08/23/2005 18:37	
2-Chlorotoluene	ND	100	ug/L	200.00	08/23/2005 18:37	
4-Chlorotoluene	ND	100	ug/L	200.00	08/23/2005 18:37	
Dibromochloromethane	ND	100	ug/L	200.00	08/23/2005 18:37	
1,2-Dichlorobenzene	ND	100	ug/L	200.00	08/23/2005 18:37	
1,3-Dichlorobenzene	ND	100	ug/L	200.00	08/23/2005 18:37	
1,4-Dichlorobenzene	ND	100	ug/L	200.00	08/23/2005 18:37	
1,3-Dichloropropane	ND	200	ug/L	200.00	08/23/2005 18:37	
2,2-Dichloropropane	ND	100	ug/L	200.00	08/23/2005 18:37	
1,1-Dichloropropene	ND	100	ug/L	200.00	08/23/2005 18:37	

Volatile Organic Compounds by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-10S**	Lab ID:	2005-08-0311 - 1
Sampled:	08/09/2005 09:12	Extracted:	8/23/2005 18:37
Matrix:	Water	QC Batch#:	2005/08/23-1B.60

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromo-3-chloropropane	ND	200	ug/L	200.00	08/23/2005 18:37	
1,2-Dibromoethane	ND	100	ug/L	200.00	08/23/2005 18:37	
Dibromomethane	ND	100	ug/L	200.00	08/23/2005 18:37	
Dichlorodifluoromethane	ND	100	ug/L	200.00	08/23/2005 18:37	
1,1-Dichloroethane	ND	100	ug/L	200.00	08/23/2005 18:37	
1,2-Dichloroethane	ND	100	ug/L	200.00	08/23/2005 18:37	
1,1-Dichloroethene	ND	100	ug/L	200.00	08/23/2005 18:37	
cis-1,2-Dichloroethene	160	100	ug/L	200.00	08/23/2005 18:37	
trans-1,2-Dichloroethene	ND	100	ug/L	200.00	08/23/2005 18:37	
1,2-Dichloropropane	ND	100	ug/L	200.00	08/23/2005 18:37	
cis-1,3-Dichloropropene	ND	100	ug/L	200.00	08/23/2005 18:37	
trans-1,3-Dichloropropene	ND	100	ug/L	200.00	08/23/2005 18:37	
Ethylbenzene	ND	100	ug/L	200.00	08/23/2005 18:37	
Hexachlorobutadiene	ND	200	ug/L	200.00	08/23/2005 18:37	
2-Hexanone	ND	10000	ug/L	200.00	08/23/2005 18:37	
Isopropylbenzene	ND	100	ug/L	200.00	08/23/2005 18:37	
p-Isopropyltoluene	ND	200	ug/L	200.00	08/23/2005 18:37	
Methylene chloride	ND	1000	ug/L	200.00	08/23/2005 18:37	
4-Methyl-2-pentanone (MIBK)	ND	10000	ug/L	200.00	08/23/2005 18:37	
Naphthalene	ND	200	ug/L	200.00	08/23/2005 18:37	
n-Propylbenzene	ND	200	ug/L	200.00	08/23/2005 18:37	
Styrene	ND	100	ug/L	200.00	08/23/2005 18:37	
1,1,1,2-Tetrachloroethane	ND	100	ug/L	200.00	08/23/2005 18:37	
1,1,2,2-Tetrachloroethane	ND	100	ug/L	200.00	08/23/2005 18:37	
Tetrachloroethene	13000	100	ug/L	200.00	08/23/2005 18:37	
Toluene	ND	100	ug/L	200.00	08/23/2005 18:37	
1,2,3-Trichlorobenzene	ND	200	ug/L	200.00	08/23/2005 18:37	

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Sample ID:	**MW-10S**	Lab ID:	2005-08-0311 - 1
Sampled:	08/09/2005 09:12	Extracted:	8/23/2005 18:37
Matrix:	Water	QC Batch#:	2005/08/23-1B.60

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trichlorobenzene	ND	200	ug/L	200.00	08/23/2005 18:37	
1,1,1-Trichloroethane	ND	100	ug/L	200.00	08/23/2005 18:37	
1,1,2-Trichloroethane	ND	100	ug/L	200.00	08/23/2005 18:37	
Trichloroethene	380	100	ug/L	200.00	08/23/2005 18:37	
Trichlorofluoromethane	ND	200	ug/L	200.00	08/23/2005 18:37	
Trichlorotrifluoroethane	ND	100	ug/L	200.00	08/23/2005 18:37	
1,2,4-Trimethylbenzene	ND	100	ug/L	200.00	08/23/2005 18:37	
1,3,5-Trimethylbenzene	ND	100	ug/L	200.00	08/23/2005 18:37	
Vinyl acetate	ND	5000	ug/L	200.00	08/23/2005 18:37	
Vinyl chloride	ND	100	ug/L	200.00	08/23/2005 18:37	
Total xylenes	ND	200	ug/L	200.00	08/23/2005 18:37	
Surrogate(s)						
4-Bromofluorobenzene	91.9	79-118	%	200.00	08/23/2005 18:37	
1,2-Dichloroethane-d4	96.5	78-117	%	200.00	08/23/2005 18:37	
Toluene-d8	83.7	77-121	%	200.00	08/23/2005 18:37	

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Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-11S**	Lab ID:	2005-08-0311 - 2
Sampled:	08/09/2005 08:19	Extracted:	8/21/2005 23:10
Matrix:	Water	QC Batch#:	2005/08/21-1C.60

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	25	ug/L	5.00	08/21/2005 23:10	
Acetone	ND	250	ug/L	5.00	08/21/2005 23:10	
Benzene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Bromodichloromethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Bromobenzene	ND	5.0	ug/L	5.00	08/21/2005 23:10	
Bromochloromethane	ND	5.0	ug/L	5.00	08/21/2005 23:10	
Bromoform	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Bromomethane	ND	5.0	ug/L	5.00	08/21/2005 23:10	
2-Butanone(MEK)	ND	250	ug/L	5.00	08/21/2005 23:10	
n-Butylbenzene	ND	5.0	ug/L	5.00	08/21/2005 23:10	
sec-Butylbenzene	ND	5.0	ug/L	5.00	08/21/2005 23:10	
tert-Butylbenzene	ND	5.0	ug/L	5.00	08/21/2005 23:10	
Carbon disulfide	ND	25	ug/L	5.00	08/21/2005 23:10	
Carbon tetrachloride	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Chlorobenzene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Chloroethane	ND	5.0	ug/L	5.00	08/21/2005 23:10	
Chloroform	ND	5.0	ug/L	5.00	08/21/2005 23:10	
Chloromethane	ND	5.0	ug/L	5.00	08/21/2005 23:10	
2-Chlorotoluene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
4-Chlorotoluene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Dibromochloromethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,2-Dichlorobenzene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,3-Dichlorobenzene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,4-Dichlorobenzene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,3-Dichloropropane	ND	5.0	ug/L	5.00	08/21/2005 23:10	
2,2-Dichloropropane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,1-Dichloropropene	ND	2.5	ug/L	5.00	08/21/2005 23:10	

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Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-11S**	Lab ID:	2005-08-0311 - 2
Sampled:	08/09/2005 08:19	Extracted:	8/21/2005 23:10
Matrix:	Water	QC Batch#:	2005/08/21-1C.60

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	5.00	08/21/2005 23:10	
1,2-Dibromoethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Dibromomethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Dichlorodifluoromethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,1-Dichloroethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,2-Dichloroethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,1-Dichloroethene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
cis-1,2-Dichloroethene	34	2.5	ug/L	5.00	08/21/2005 23:10	
trans-1,2-Dichloroethene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,2-Dichloropropane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
cis-1,3-Dichloropropene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
trans-1,3-Dichloropropene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Ethylbenzene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Hexachlorobutadiene	ND	5.0	ug/L	5.00	08/21/2005 23:10	
2-Hexanone	ND	250	ug/L	5.00	08/21/2005 23:10	
Isopropylbenzene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
p-Isopropyltoluene	ND	5.0	ug/L	5.00	08/21/2005 23:10	
Methylene chloride	ND	25	ug/L	5.00	08/21/2005 23:10	
4-Methyl-2-pentanone (MIBK)	ND	250	ug/L	5.00	08/21/2005 23:10	
Naphthalene	ND	5.0	ug/L	5.00	08/21/2005 23:10	
n-Propylbenzene	ND	5.0	ug/L	5.00	08/21/2005 23:10	
Styrene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,1,1,2-Tetrachloroethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,1,2,2-Tetrachloroethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Tetrachloroethene	280	2.5	ug/L	5.00	08/21/2005 23:10	
Toluene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,2,3-Trichlorobenzene	ND	5.0	ug/L	5.00	08/21/2005 23:10	

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Sampled:	08/09/2005 08:19	Extracted:	8/21/2005 23:10
Matrix:	Water	QC Batch#:	2005/08/21-1C.60

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trichlorobenzene	ND	5.0	ug/L	5.00	08/21/2005 23:10	
1,1,1-Trichloroethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,1,2-Trichloroethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Trichloroethene	20	2.5	ug/L	5.00	08/21/2005 23:10	
Trichlorofluoromethane	ND	5.0	ug/L	5.00	08/21/2005 23:10	
Trichlorotrifluoroethane	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,2,4-Trimethylbenzene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
1,3,5-Trimethylbenzene	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Vinyl acetate	ND	130	ug/L	5.00	08/21/2005 23:10	
Vinyl chloride	ND	2.5	ug/L	5.00	08/21/2005 23:10	
Total xylenes	ND	5.0	ug/L	5.00	08/21/2005 23:10	
Surrogate(s)						
4-Bromofluorobenzene	101.0	79-118	%	5.00	08/21/2005 23:10	
1,2-Dichloroethane-d4	94.2	78-117	%	5.00	08/21/2005 23:10	
Toluene-d8	99.7	77-121	%	5.00	08/21/2005 23:10	

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Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-12S**	Lab ID:	2005-08-0311 - 3
Sampled:	08/09/2005 08:57	Extracted:	8/23/2005 19:10
Matrix:	Water	QC Batch#:	2005/08/23-1B.60

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	500	ug/L	100.00	08/23/2005 19:10	
Acetone	ND	5000	ug/L	100.00	08/23/2005 19:10	
Benzene	ND	50	ug/L	100.00	08/23/2005 19:10	
Bromodichloromethane	ND	50	ug/L	100.00	08/23/2005 19:10	
Bromobenzene	ND	100	ug/L	100.00	08/23/2005 19:10	
Bromochloromethane	ND	100	ug/L	100.00	08/23/2005 19:10	
Bromoform	ND	50	ug/L	100.00	08/23/2005 19:10	
Bromomethane	ND	100	ug/L	100.00	08/23/2005 19:10	
2-Butanone(MEK)	ND	5000	ug/L	100.00	08/23/2005 19:10	
n-Butylbenzene	ND	100	ug/L	100.00	08/23/2005 19:10	
sec-Butylbenzene	ND	100	ug/L	100.00	08/23/2005 19:10	
tert-Butylbenzene	ND	100	ug/L	100.00	08/23/2005 19:10	
Carbon disulfide	ND	500	ug/L	100.00	08/23/2005 19:10	
Carbon tetrachloride	ND	50	ug/L	100.00	08/23/2005 19:10	
Chlorobenzene	ND	50	ug/L	100.00	08/23/2005 19:10	
Chloroethane	ND	100	ug/L	100.00	08/23/2005 19:10	
Chloroform	ND	100	ug/L	100.00	08/23/2005 19:10	
Chloromethane	ND	100	ug/L	100.00	08/23/2005 19:10	
2-Chlorotoluene	ND	50	ug/L	100.00	08/23/2005 19:10	
4-Chlorotoluene	ND	50	ug/L	100.00	08/23/2005 19:10	
Dibromochloromethane	ND	50	ug/L	100.00	08/23/2005 19:10	
1,2-Dichlorobenzene	ND	50	ug/L	100.00	08/23/2005 19:10	
1,3-Dichlorobenzene	ND	50	ug/L	100.00	08/23/2005 19:10	
1,4-Dichlorobenzene	ND	50	ug/L	100.00	08/23/2005 19:10	
1,3-Dichloropropane	ND	100	ug/L	100.00	08/23/2005 19:10	
2,2-Dichloropropane	ND	50	ug/L	100.00	08/23/2005 19:10	
1,1-Dichloropropene	ND	50	ug/L	100.00	08/23/2005 19:10	

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Site: 2200 Mendocino Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-12S**	Lab ID:	2005-08-0311 - 3
Sampled:	08/09/2005 08:57	Extracted:	8/23/2005 19:10
Matrix:	Water	QC Batch#:	2005/08/23-1B.60

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromo-3-chloropropane	ND	100	ug/L	100.00	08/23/2005 19:10	
1,2-Dibromoethane	ND	50	ug/L	100.00	08/23/2005 19:10	
Dibromomethane	ND	50	ug/L	100.00	08/23/2005 19:10	
Dichlorodifluoromethane	ND	50	ug/L	100.00	08/23/2005 19:10	
1,1-Dichloroethane	ND	50	ug/L	100.00	08/23/2005 19:10	
1,2-Dichloroethane	ND	50	ug/L	100.00	08/23/2005 19:10	
1,1-Dichloroethene	ND	50	ug/L	100.00	08/23/2005 19:10	
cis-1,2-Dichloroethene	60	50	ug/L	100.00	08/23/2005 19:10	
trans-1,2-Dichloroethene	ND	50	ug/L	100.00	08/23/2005 19:10	
1,2-Dichloropropane	ND	50	ug/L	100.00	08/23/2005 19:10	
cis-1,3-Dichloropropene	ND	50	ug/L	100.00	08/23/2005 19:10	
trans-1,3-Dichloropropene	ND	50	ug/L	100.00	08/23/2005 19:10	
Ethylbenzene	ND	50	ug/L	100.00	08/23/2005 19:10	
Hexachlorobutadiene	ND	100	ug/L	100.00	08/23/2005 19:10	
2-Hexanone	ND	5000	ug/L	100.00	08/23/2005 19:10	
Isopropylbenzene	ND	50	ug/L	100.00	08/23/2005 19:10	
p-Isopropyltoluene	ND	100	ug/L	100.00	08/23/2005 19:10	
Methylene chloride	ND	500	ug/L	100.00	08/23/2005 19:10	
4-Methyl-2-pentanone (MIBK)	ND	5000	ug/L	100.00	08/23/2005 19:10	
Naphthalene	ND	100	ug/L	100.00	08/23/2005 19:10	
n-Propylbenzene	ND	100	ug/L	100.00	08/23/2005 19:10	
Styrene	ND	50	ug/L	100.00	08/23/2005 19:10	
1,1,1,2-Tetrachloroethane	ND	50	ug/L	100.00	08/23/2005 19:10	
1,1,2,2-Tetrachloroethane	ND	50	ug/L	100.00	08/23/2005 19:10	
Tetrachloroethene	4400	50	ug/L	100.00	08/23/2005 19:10	
Toluene	ND	50	ug/L	100.00	08/23/2005 19:10	
1,2,3-Trichlorobenzene	ND	100	ug/L	100.00	08/23/2005 19:10	

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Sampled:	08/09/2005 08:57	Extracted:	8/23/2005 19:10
Matrix:	Water	QC Batch#:	2005/08/23-1B.60

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trichlorobenzene	ND	100	ug/L	100.00	08/23/2005 19:10	
1,1,1-Trichloroethane	ND	50	ug/L	100.00	08/23/2005 19:10	
1,1,2-Trichloroethane	ND	50	ug/L	100.00	08/23/2005 19:10	
Trichloroethene	100	50	ug/L	100.00	08/23/2005 19:10	
Trichlorofluoromethane	ND	100	ug/L	100.00	08/23/2005 19:10	
Trichlorotrifluoroethane	ND	50	ug/L	100.00	08/23/2005 19:10	
1,2,4-Trimethylbenzene	ND	50	ug/L	100.00	08/23/2005 19:10	
1,3,5-Trimethylbenzene	ND	50	ug/L	100.00	08/23/2005 19:10	
Vinyl acetate	ND	2500	ug/L	100.00	08/23/2005 19:10	
Vinyl chloride	ND	50	ug/L	100.00	08/23/2005 19:10	
Total xylenes	ND	100	ug/L	100.00	08/23/2005 19:10	
Surrogate(s)						
4-Bromofluorobenzene	92.5	79-118	%	100.00	08/23/2005 19:10	
1,2-Dichloroethane-d4	92.2	78-117	%	100.00	08/23/2005 19:10	
Toluene-d8	83.3	77-121	%	100.00	08/23/2005 19:10	

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Conoco Phillips #4935

Received: 08/10/2005 15:20

Site: 2200 Mendocino Ave., Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/08/21-1C.60**

MB: 2005/08/21-1C.60-052 — Date Extracted: 08/21/2005 13:52

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	08/21/2005 13:52	
Acetone	ND	50	ug/L	08/21/2005 13:52	
Benzene	ND	0.5	ug/L	08/21/2005 13:52	
Bromodichloromethane	ND	0.5	ug/L	08/21/2005 13:52	
Bromobenzene	ND	1.0	ug/L	08/21/2005 13:52	
Bromochloromethane	ND	1.0	ug/L	08/21/2005 13:52	
Bromoform	ND	0.5	ug/L	08/21/2005 13:52	
Bromomethane	ND	1.0	ug/L	08/21/2005 13:52	
2-Butanone(MEK)	ND	50	ug/L	08/21/2005 13:52	
n-Butylbenzene	ND	1.0	ug/L	08/21/2005 13:52	
sec-Butylbenzene	ND	1.0	ug/L	08/21/2005 13:52	
tert-Butylbenzene	ND	1.0	ug/L	08/21/2005 13:52	
Carbon disulfide	ND	5.0	ug/L	08/21/2005 13:52	
Carbon tetrachloride	ND	0.5	ug/L	08/21/2005 13:52	
Chlorobenzene	ND	0.5	ug/L	08/21/2005 13:52	
Chloroethane	ND	1.0	ug/L	08/21/2005 13:52	
Chloroform	ND	1.0	ug/L	08/21/2005 13:52	
Chloromethane	ND	1.0	ug/L	08/21/2005 13:52	
2-Chlorotoluene	ND	0.5	ug/L	08/21/2005 13:52	
4-Chlorotoluene	ND	0.5	ug/L	08/21/2005 13:52	
Dibromochloromethane	ND	0.5	ug/L	08/21/2005 13:52	
1,2-Dichlorobenzene	ND	0.5	ug/L	08/21/2005 13:52	
1,3-Dichlorobenzene	ND	0.5	ug/L	08/21/2005 13:52	
1,4-Dichlorobenzene	ND	0.5	ug/L	08/21/2005 13:52	
1,3-Dichloropropane	ND	1.0	ug/L	08/21/2005 13:52	
2,2-Dichloropropane	ND	0.5	ug/L	08/21/2005 13:52	
1,1-Dichloropropene	ND	0.5	ug/L	08/21/2005 13:52	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/21/2005 13:52	
1,2-Dibromoethane	ND	0.5	ug/L	08/21/2005 13:52	