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Appendix F - Groundwater Purge and Sample Logs

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-1 Project Name: AL Tech  
 Date: 12/10/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacort / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 20.18 (feet below TOC)  
 Water Level: 8.65 (feet below TOC) Water Column: 11.53 (feet)  
 Purge Volume: 1.84 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: (  ) Until Dry ( ) Until \_\_\_\_\_ Well Volumes Were Removed  
 Time Started: 09:07 Time Completed: 9:35

## Field Parameters

Well Volume	Pre Purge				
	<u>3</u>				
pH	<u>12.07</u>	<u>12.20</u>			
Conductivity	<u>1046</u>	<u>1270</u>			
Temperature	<u>8.5</u>	<u>8.7</u>			
Turbidity	<u>10</u>	<u>10</u>			

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW - MW1 - 1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 9:35

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008860, 008861 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-1B Project Name: AL Tech

Date: 12/10/96 Project Number: 483804

Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack

Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm

Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 40.28 (feet below TOC)

Water Level: 10.98 (feet below TOC) Water Column: 29.3 (feet)

Purge Volume: 4.68 (gallons)

Well Purged With: Submersible pump w/ dedicated tubing

Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed

Time Started: 07:20 Time Completed: 8:00

## Field Parameters

	Pre Purge				
Well Volume	_____	_____	_____	_____	_____
pH	_____	_____	_____	_____	_____
Conductivity	_____	_____	_____	_____	_____
Temperature	_____	_____	_____	_____	_____
Turbidity	_____	_____	_____	_____	_____

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW1B-1196 Sample Description: \_\_\_\_\_

Collection Method: Submersible pump w/ dedicated tubing

Time Started: \_\_\_\_\_ Time Completed: 8:00

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008860 Shipment/Tracking No.: \_\_\_\_\_

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# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-2 Project Name: AL Tech  
 Date: 12/10/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 20.22 (feet below TOC)  
 Water Level: 10.11 (feet below TOC) Water Column: 10.11 (feet)  
 Purge Volume: 1.62 (gallons)  
 Well Purged With: Grumfos pump  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 15:36 Time Completed: 16:10

## Field Parameters

Well Volume	Pre Purge					Well Volume Calculation	
		2	4	5	Well Diameter	Multiply by	
pH	<u>7.52</u>	<u>7.45</u>	<u>7.40</u>	<u>7.40</u>	2 inch	Water Column x.16	
Conductivity	<u>892</u>	<u>913</u>	<u>904</u>	<u>897</u>	3 inch	Water Column x.36	
Temperature	<u>10.0</u>	<u>13.7</u>	<u>13.2</u>	<u>13.2</u>	4 inch	Water Column x.65	
Turbidity	<u>-10</u>	<u>-10</u>	<u>-10</u>	<u>-10</u>	6 inch	Water Column x1.41	

## Sampling

Sampling I.D.: WAT- GW- MW2-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 16:10

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008860, 008866 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-2B Project Name: AL Tech  
 Date: 12/10/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 48.09 (feet below TOC)  
 Water Level: 11.29 (feet below TOC) Water Column: 36.8 (feet)  
 Purge Volume: 5.88 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 16:50 Time Completed: 18:00

## Field Parameters

Well Volume	Pre Purge					Well Volume Calculation	
		6	12	19	Well Diameter	Multiply by	
pH	10.21	9.94	9.61	9.51	2 inch	Water Column x.16	
Conductivity	1050	980	940	920	3 inch	Water Column x.36	
Temperature	9.4	10.5	10.4	10.5	4 inch	Water Column x.65	
Turbidity	-10	>999	>999	>999	6 inch	Water Column x1.41	

## Sampling

Sampling I.D.: WAT-GW-MW2B-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 18:00

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: 008860, 008866 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-3 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 22.07 (feet below TOC)  
 Water Level: 15.86 (feet below TOC) Water Column: 6.21 (feet)  
 Purge Volume: 0.99 (gallons)  
 Well Purged With: Submersible pump w/dedicated tubing  
 Well purged: ( ) Until Dry (✓) Until 4 Well Volumes Were Removed  
 Time Started: 09:07 Time Completed: 11:00

## Field Parameters

Well Volume	Pre Purge						Well Volume Calculation	
		1	2	3.3	4	Well Diameter	Multiply by	
pH	<u>8.07</u>	<u>7.70</u>	<u>7.51</u>	<u>7.26</u>	<u>6.90</u>	2 inch	Water Column x.16	
Conductivity	<u>1190</u>	<u>1160</u>	<u>1170</u>	<u>1160</u>	<u>1160</u>	3 inch	Water Column x.36	
Temperature	<u>12.6</u>	<u>14.0</u>	<u>15.4</u>	<u>16.2</u>	<u>15.4</u>	4 inch	Water Column x.65	
Turbidity	<u>&gt;999</u>	<u>874</u>	<u>213</u>	<u>350</u>	<u>-10</u>	6 inch	Water Column x1.41	

## Sampling

Sampling I.D.: WAT - GW - MW 3 - 1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 11:00

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008874 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-3B Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 52.46 (feet below TOC)  
 Water Level: 16.67 (feet below TOC) Water Column: 35.79 (feet)  
 Purge Volume: 5.73 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: (  ) Until Dry ( ) Until \_\_\_\_\_ Well Volumes Were Removed  
 Time Started: 07:31 Time Completed: 08:12

## Field Parameters

Well Volume	Pre Purge				
	<u>6</u>				
pH	<u>9.27</u>	<u>9.27</u>			
Conductivity	<u>1040</u>	<u>1020</u>			
Temperature	<u>11.6</u>	<u>14.6</u>			
Turbidity	<u>-10</u>	<u>230</u>			

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW3B-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 08:12

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: 008875 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-4 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacourt / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 20.03 (feet below TOC)  
 Water Level: 15.12 (feet below TOC) Water Column: 4.91 (feet)  
 Purge Volume: 0.79 (gallons)  
 Well Purged With: Submersible pump w/dedicated tubing  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 10:27 Time Completed: 11:00

## Field Parameters

Well Volume	Pre Purge					Well Volume Calculation	
		1	2	3	Well Diameter	Multiply by	
pH	<u>6.81</u>	<u>6.76</u>	<u>6.73</u>	<u>6.70</u>	2 inch	Water Column x.16	
Conductivity	<u>1980</u>	<u>1960</u>	<u>1890</u>	<u>1890</u>	3 inch	Water Column x.36	
Temperature	<u>14.8</u>	<u>14.3</u>	<u>16.1</u>	<u>16.3</u>	4 inch	Water Column x.65	
Turbidity	<u>&gt;999</u>	<u>-10</u>	<u>-10</u>	<u>-10</u>	6 inch	Water Column x1.41	

## Sampling

Sampling I.D.: WAT-GW-MW4-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 11:00

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008867, 008869 Shipment/Tracking No.: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-4B Project Name: AL Tech

Date: 12/11/96 Project Number: 483804

Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack

Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm

Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 51.28 (feet below TOC)

Water Level: 15.88 (feet below TOC) Water Column: 35.4 (feet)

Purge Volume: 5.66 (gallons)

Well Purged With: submersible pump w/ dedicated tubing

Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed

Time Started: 11:12 Time Completed: 12:10

## Field Parameters

Well Volume	Pre Purge	6	12	19		
pH	<u>5.84</u>	<u>5.35</u>	<u>5.31</u>	<u>5.44</u>		
Conductivity	<u>1300</u>	<u>1300</u>	<u>1400</u>	<u>1480</u>		
Temperature	<u>15.2</u>	<u>10.5</u>	<u>16.6</u>	<u>15.4</u>		
Turbidity	<u>-10</u>	<u>&gt;999</u>	<u>&gt;999</u>	<u>99</u>		

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT - GW - MW 4B - 1196 Sample Description: \_\_\_\_\_

Collection Method: Submersible pump w/ dedicated tubing

Time Started: \_\_\_\_\_ Time Completed: 12:10

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008867, 008869 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-S Project Name: AL Tech

Date: 12/10/96 Project Number: 483804

Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack

Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm

Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 18.99 (feet below TOC)

Water Level: 8.92 (feet below TOC) Water Column: 10.07 (feet)

Purge Volume: 1.61 (gallons)

Well Purged With: Submersible pump w/dedicated tubing

Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed

Time Started: 0:900 Time Completed: 9:20

## Field Parameters

Well Volume	Pre Purge	Well Volume				Well Volume Calculation	
		1.6	3.2	5.0	Well Diameter	Multiply by	
pH	<u>7.22</u>	<u>7.33</u>	<u>7.34</u>	<u>7.45</u>	2 inch	Water Column x.16	
Conductivity	<u>416</u>	<u>440</u>	<u>436</u>	<u>442</u>	3 inch	Water Column x.36	
Temperature	<u>10.1</u>	<u>10.7</u>	<u>11.2</u>	<u>11.4</u>	4 inch	Water Column x.65	
Turbidity	<u>258</u>	<u>10</u>	<u>10</u>	<u>10</u>	6 inch	Water Column x1.41	

## Sampling

Sampling I.D.: WAT-GW-MWS-1196 Sample Description: \_\_\_\_\_

Collection Method: Submersible pump w/dedicated tubing

Time Started: \_\_\_\_\_ Time Completed: 9:20

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008860, 008861 Shipment/Tracking No.: \_\_\_\_\_

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# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-SB Project Name: AL Tech  
 Date: 12/10/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 61.13 (feet below TOC)  
 Water Level: 11.87 (feet below TOC) Water Column: 49.26 (feet)  
 Purge Volume: 7.88 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: (  ) Until Dry ( ) Until \_\_\_\_\_ Well Volumes Were Removed  
 Time Started: 10:00 Time Completed: 10:30

## Field Parameters

Well Volume	Pre Purge			Well Volume Calculation	
	8	16		Well Diameter	Multiply by
pH	<u>8.90</u>	<u>8.83</u>	<u>-</u>	2 inch	Water Column x.16
Conductivity	<u>1090</u>	<u>1120</u>	<u>-</u>	3 inch	Water Column x.36
Temperature	<u>10.4</u>	<u>12.6</u>	<u>-</u>	4 inch	Water Column x.65
Turbidity	<u>999</u>	<u>999</u>	<u>-</u>	6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MWSR-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 10:30

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: 008860, 008861 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-6 Project Name: AL Tech  
 Date: 12/10/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 18.49 (feet below TOC)  
 Water Level: 12.09 (feet below TOC) Water Column: 6.4 (feet)  
 Purge Volume: 1.02 (gallons)  
 Well Purged With: Grundfos pump at low flow  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 07:10 Time Completed: 07:45

## Field Parameters

Well Volume	Pre Purge	1.02	2.04	3.10	Well Volume Calculation	
pH	7.05	7.00	6.93	6.95	Well Diameter	Multiply by
Conductivity	662	629	641	640	2 inch	Water Column x.16
Temperature	11.8	11.9	12.5	12.6	3 inch	Water Column x.36
Turbidity	offscale	10	10	10	4 inch	Water Column x.65
					6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MWG-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 07:45

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008860, 008861 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-6B Project Name: AL Tech  
 Date: 12/10/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 65.67 (feet below TOC)  
 Water Level: 12.86 (feet below TOC) Water Column: 52.81 (feet)  
 Purge Volume: 8.45 (gallons)  
 Well Purged With: Gruntfos at low flow  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 13:20 Time Completed: 14:00

## Field Parameters

Well Volume	Pre Purge				Well Volume Calculation	
	8.5	17	25.5	Well Diameter	Multiply by	
pH	10.28	8.09	7.33	7.41	2 inch	Water Column x.16
Conductivity	1170	1160	1300	1260	3 inch	Water Column x.36
Temperature	12.2	13.4	12.4	13.4	4 inch	Water Column x.65
Turbidity	420	481	173	245	6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW6B-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 14:00

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008860, 008864 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-7B Project Name: AL Tech  
 Date: 12/09/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vopors of Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 22.65 (feet below TOC)  
 Water Level: 11.02 (feet below TOC) Water Column: 11.63 (feet)  
 Purge Volume: 1.86 (gallons)  
 Well Purged With: ISCO peristaltic pump  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 12:00 Time Completed: 12:36

## Field Parameters

Well Volume	Pre Purge					Well Volume Calculation	
		2	4	6	Well Diameter	Multiply by	
pH	<u>7.08</u>	<u>7.19</u>	<u>7.19</u>	<u>7.24</u>	2 inch	Water Column x.16	
Conductivity	<u>970</u>	<u>793</u>	<u>834</u>	<u>775</u>	3 inch	Water Column x.36	
Temperature	<u>11.5</u>	<u>11.1</u>	<u>10.2</u>	<u>10.2</u>	4 inch	Water Column x.65	
Turbidity	<u>10</u>	<u>10</u>	<u>10</u>	<u>10</u>	6 inch	Water Column x1.41	

## Sampling

Sampling I.D.: WAT-GW-MW7B-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing Dedicated teflon  
 Time Started: \_\_\_\_\_ Time Completed: 12:36 bailer

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008858 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-8B Project Name: AL Tech  
 Date: 12/09/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vopors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 45.21 (feet below TOC)  
 Water Level: 19.42 (feet below TOC) Water Column: 25.79 (feet)  
 Purge Volume: 4.13 (gallons)  
 Well Purged With: ISCO peristaltic pump  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 13:10 Time Completed: 14:10

## Field Parameters

	Pre Purge	4.5	9	13	
Well Volume					
pH	<u>7.69</u>	<u>7.36</u>	<u>7.41</u>	<u>7.54</u>	
Conductivity	<u>654</u>	<u>1790</u>	<u>1740</u>	<u>1670</u>	
Temperature	<u>10.0</u>	<u>9.1</u>	<u>9.2</u>	<u>8.8</u>	
Turbidity	<u>10</u>	<u>10</u>	<u>10</u>	<u>10</u>	

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW8B-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing dedicated teflon  
 Time Started: \_\_\_\_\_ Time Completed: 14:10 bailer

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008858 Shipment/Tracking No.: \_\_\_\_\_

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# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-9B Project Name: AL Tech  
 Date: 12/09/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 32.57 (feet below TOC)  
 Water Level: 20.33 (feet below TOC) Water Column: 12.24 (feet)  
 Purge Volume: 1.96 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: () Until Dry ( ) Until \_\_\_\_\_ Well Volumes Were Removed  
 Time Started: 17:12 Time Completed: 17:00+

## Field Parameters

Well Volume	Pre Purge			Well Volume Calculation	
	8	9		Well Diameter	Multiply by
pH	<u>6.19</u>	<u>7.41</u>	-	2 inch	Water Column x.16
Conductivity	<u>1560</u>	<u>1590</u>	-	3 inch	Water Column x.36
Temperature	<u>12.2</u>	<u>12.1</u>	-	4 inch	Water Column x.65
Turbidity	<u>40</u>	<u>7999</u>	-	6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW9B-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 17:00+

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008858, 008859 Shipment/Tracking No.: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-10B Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 17.29 (feet below TOC)  
 Water Level: 7.90 (feet below TOC) Water Column: 9.39 (feet)  
 Purge Volume: 1.50 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 14:50 Time Completed: 15:20

## Field Parameters

Well Volume	Pre Purge	1.5	3.0	4.5	Well Volume Calculation	
					Well Diameter	Multiply by
pH	8.07	7.74	7.67	7.64	2 inch	Water Column x.16
Conductivity	252	426	541	630	3 inch	Water Column x.36
Temperature	12.7	12.5	13.7	13.8	4 inch	Water Column x.65
Turbidity	off sc.	off sc.	696	97	6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW10B-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 15:20

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008874 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-11 Project Name: AL Tech  
 Date: 12/09/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 15.10 (feet below TOC)  
 Water Level: 10.48 (feet below TOC) Water Column: 4.62 (feet)  
 Purge Volume: 0.74 (gallons)  
 Well Purged With: Submersible pump w/ dedicated tubing  
 Well purged:  Until Dry ( ) Until \_\_\_\_\_ Well Volumes Were Removed  
 Time Started: 15:58 Time Completed: 17:00+

## Field Parameters

Well Volume	Pre Purge	Well Volume Calculation			
		5gal	10gal	12gal	
pH	<u>7.97</u>	<u>7.55</u>	<u>7.72</u>	<u>7.75</u>	
Conductivity	<u>1020</u>	<u>1060</u>	<u>1070</u>	<u>1060</u>	
Temperature	<u>13.2</u>	<u>13.1</u>	<u>14.4</u>	<u>15.5</u>	
Turbidity	<u>10</u>	<u>10</u>	<u>10</u>	<u>&gt;1000</u>	

## Sampling

Sampling I.D.: WAT-GW-MW11-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 16:45

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008859 Shipment/Tracking No.: \_\_\_\_\_

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# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-12 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 18.70 (feet below TOC)  
 Water Level: 11.17 (feet below TOC) Water Column: 7.53 (feet)  
 Purge Volume: 1.20 (gallons)  
 Well Purged With: Grunfos at low flow  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 07:45 Time Completed: 08:15

## Field Parameters

Well Volume	Pre Purge	1.2	2.4	3.6	Well Volume Calculation	
					Well Diameter	Multiply by
pH	<u>6.72</u>	<u>6.48</u>	<u>6.57</u>	<u>6.49</u>	2 inch	Water Column x.16
Conductivity	<u>630</u>	<u>711</u>	<u>750</u>	<u>747</u>	3 inch	Water Column x.36
Temperature	<u>13.7</u>	<u>14.8</u>	<u>14.7</u>	<u>14.9</u>	4 inch	Water Column x.65
Turbidity	<u>off scale</u>	<u>off scale</u>	<u>off scale</u>	<u>276</u>	6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW12-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 08:15

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008867 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-14 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 16.70 (feet below TOC)  
 Water Level: 5.76 (feet below TOC) Water Column: 10.94 (feet)  
 Purge Volume: 1.75 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 13:32 Time Completed: 13:50

## Field Parameters

Well Volume	Pre Purge				Well Volume Calculation	
	2	4	6	Well Diameter	Multiply by	
pH	<u>7.31</u>	<u>7.97</u>	<u>8.21</u>	<u>2</u> inch	Water Column x.16	
Conductivity	<u>772</u>	<u>462</u>	<u>423</u>	<u>3</u> inch	Water Column x.36	
Temperature	<u>10.3</u>	<u>10.1</u>	<u>9.9</u>	<u>4</u> inch	Water Column x.65	
Turbidity	<u>-10</u>	<u>118</u>	<u>-10</u>	<u>6</u> inch	Water Column x1.41	

## Sampling

Sampling I.D.: WAT-GW-MW14-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 13:50

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: 008867, 008868 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-15 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 12.0 (feet below TOC)  
 Water Level: 5.87 (feet below TOC) Water Column: 6.13 (feet)  
 Purge Volume: 0.98 (gallons)  
 Well Purged With: submersible pump w/dedicated tubing  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 11:15 Time Completed: 11:40

## Field Parameters

Well Volume	Pre Purge	1	2	3	Well Volume Calculation	
					Well Diameter	Multiply by
pH	<u>6.86</u>	<u>6.88</u>	<u>6.91</u>	<u>6.97</u>	2 inch	Water Column x.16
Conductivity	<u>1760</u>	<u>1790</u>	<u>1800</u>	<u>1860</u>	3 inch	Water Column x.36
Temperature	<u>9.6</u>	<u>9.6</u>	<u>10.8</u>	<u>10.6</u>	4 inch	Water Column x.65
Turbidity	<u>79</u>	<u>70</u>	<u>10</u>	<u>10</u>	6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW15-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 11:40

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: 008867, 008872 Shipment/Tracking No.: \_\_\_\_\_

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# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-16 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 13.90 (feet below TOC)  
 Water Level: 3.80 (feet below TOC) Water Column: 10.1 (feet)  
 Purge Volume: 1.62 (gallons)  
 Well Purged With: Grupos at low flow  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 10:15 Time Completed: 10:40

## Field Parameters

Well Volume	Pre Purge	Well Volume Calculation			
		Well Diameter	Multiply by		
		2 inch	Water Column x.16		
		3 inch	Water Column x.36		
		4 inch	Water Column x.65		
		6 inch	Water Column x1.41		

  

Parameter	1.7	3.4	5.0		
pH	<u>7.10</u>	<u>7.04</u>	<u>7.11</u>	<u>7.22</u>	
Conductivity	<u>2070</u>	<u>1960</u>	<u>1950</u>	<u>1960</u>	
Temperature	<u>10.2</u>	<u>9.5</u>	<u>9.6</u>	<u>9.6</u>	
Turbidity	<u>265</u>	<u>50</u>	<u>79</u>	<u>141</u>	

## Sampling

Sampling I.D.: WAT-GW-MW16-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 10:40

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008867, 008872 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-17 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 14.80 (feet below TOC)  
 Water Level: 3.96 (feet below TOC) Water Column: 10.84 (feet)  
 Purge Volume: 1.73 (gallons)  
 Well Purged With: Granfos at low flow  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 08:50 Time Completed: 09:20

## Field Parameters

Well Volume	Pre Purge	Well Volume Calculation			
		1.7	3.4	5.1	
pH	<u>7.39</u>	<u>7.23</u>	<u>7.09</u>	<u>7.25</u>	
Conductivity	<u>610</u>	<u>607</u>	<u>595</u>	<u>582</u>	
Temperature	<u>10.0</u>	<u>9.7</u>	<u>9.7</u>	<u>10.2</u>	
Turbidity	<u>704</u>	<u>358</u>	<u>610</u>	<u>626</u>	

  

Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW17-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 09:20

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008867, 008868 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: OW-20 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 17.84 (feet below TOC)  
 Water Level: 10.23 (feet below TOC) Water Column: 9.61 (feet)  
 Purge Volume: 1.54 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 14:27 Time Completed: 14:50

## Field Parameters

Well Volume	Pre Purge	2	4	5	Well Volume Calculation	
pH	<u>7.72</u>	<u>7.55</u>	<u>7.40</u>	<u>7.47</u>	Well Diameter	Multiply by
Conductivity	<u>1030</u>	<u>1230</u>	<u>920</u>	<u>920</u>	2 inch	Water Column x.16
Temperature	<u>11.8</u>	<u>12.0</u>	<u>12.4</u>	<u>12.4</u>	3 inch	Water Column x.36
Turbidity	<u>580</u>	<u>475</u>	<u>-10</u>	<u>41</u>	4 inch	Water Column x.65
					6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-OW20-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 14:50

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008870, 008873 Shipment/Tracking No.: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: OW-21 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 19.81 (feet below TOC)  
 Water Level: 10.30 (feet below TOC) Water Column: 9.51 (feet)  
 Purge Volume: 1.52 (gallons)  
 Well Purged With: Submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 15:08 Time Completed: 15:20

## Field Parameters

	Pre Purge	2	4	5		
Well Volume						
pH	<u>7.76</u>	<u>7.69</u>	<u>7.82</u>	<u>7.76</u>		
Conductivity	<u>1040</u>	<u>1090</u>	<u>1070</u>	<u>1070</u>		
Temperature	<u>10.7</u>	<u>13.1</u>	<u>13.0</u>	<u>12.9</u>		
Turbidity	<u>630</u>	<u>-10</u>	<u>-10</u>	<u>-10</u>		

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-OW21-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 15:20

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008870, 008873 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: AP-1 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 24.40 (feet below TOC)  
 Water Level: 13.62 (feet below TOC) Water Column: 10.78 (feet)  
 Purge Volume: 1.72 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 08:20 Time Completed: 08:50

## Field Parameters

Well Volume	Pre Purge				Well Volume Calculation	
	1.9	3.8	5.7	Well Diameter	Multiply by	
pH	<u>5.81</u>	<u>5.49</u>	<u>5.40</u>	<u>5.34</u>	2 inch	Water Column x.16
Conductivity	<u>1600</u>	<u>1260</u>	<u>1350</u>	<u>1410</u>	3 inch	Water Column x.36
Temperature	<u>10.7</u>	<u>12.6</u>	<u>14.5</u>	<u>14.6</u>	4 inch	Water Column x.65
Turbidity	<u>829</u>	<u>10</u>	<u>10</u>	<u>10</u>	6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-API-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 08:50

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008876, 008878 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: AP-2 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 24.26 (feet below TOC)  
 Water Level: 13.77 (feet below TOC) Water Column: 10.49 (feet)  
 Purge Volume: 1.68 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (  ) Until 6 Well Volumes Were Removed  
 Time Started: 16:04 Time Completed: 18:30

## Field Parameters

Well Volume	Pre Purge	2	4	5.5	8	9	10	Well Volume Calculation	
pH	7.20	6.00	4.79	4.73	4.34	4.58	4.57	Well Diameter	Multiply by
Conductivity	1670	4570	1980	1860	1980	1800	1830	2 inch	Water Column x.16
Temperature	13.4	15.7	15.2	15.7	16.3	16.3	16.4	3 inch	Water Column x.36
Turbidity	450	>999	>999	460	43	70	174	4 inch	Water Column x.65
								6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-AP2-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 18:30

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008870, 008875 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-A1 Project Name: AL Tech  
 Date: 12/10/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacourt / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 15.25 (feet below TOC)  
 Water Level: 4.81 (feet below TOC) Water Column: 10.44 (feet)  
 Purge Volume: 1.67 (gallons)  
 Well Purged With: Gruntas at low flow  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 16:15 Time Completed: 16:40

## Field Parameters

	Pre Purge	1.8	3.2	5.0		
Well Volume						
pH	<u>6.97</u>	<u>6.96</u>	<u>7.03</u>	<u>7.06</u>		
Conductivity	<u>503</u>	<u>495</u>	<u>497</u>	<u>498</u>		
Temperature	<u>8.5</u>	<u>9.2</u>	<u>10.6</u>	<u>10.2</u>		
Turbidity	<u>90</u>	<u>10</u>	<u>10</u>	<u>10</u>		

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MWA1-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 16:40

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008864 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-A2 Project Name: AL Tech  
 Date: 12/10/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 32.22 (feet below TOC)  
 Water Level: 3.97 (feet below TOC) Water Column: 28.25 (feet)  
 Purge Volume: 4.52 (gallons)  
 Well Purged With: Grunfos at low flow  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 17:00 Time Completed: 17:20

## Field Parameters

Well Volume	Pre Purge	4.5	9.0	14.0	Well Volume Calculation	
					Well Diameter	Multiply by
pH	<u>6.74</u>	<u>6.81</u>	<u>6.85</u>	<u>6.87</u>	2 inch	Water Column x.16
Conductivity	<u>1670</u>	<u>1910</u>	<u>1900</u>	<u>1870</u>	3 inch	Water Column x.36
Temperature	<u>12.4</u>	<u>12.8</u>	<u>12.1</u>	<u>12.3</u>	4 inch	Water Column x.65
Turbidity	<u>10</u>	<u>75</u>	<u>110</u>	<u>18</u>	6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MWA2-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 17:20

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008865 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-B Project Name: AL Tech  
 Date: 12/12/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 18.25 (feet below TOC)  
 Water Level: 9.35 (feet below TOC) Water Column: 8.9 (feet)  
 Purge Volume: 142 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 08:17 Time Completed: 08:40

## Field Parameters

Well Volume	Pre Purge	4	6	8	_____	_____
pH	<u>6.99</u>	<u>7.00</u>	<u>6.98</u>	<u>6.98</u>	_____	_____
Conductivity	<u>1180</u>	<u>817</u>	<u>795</u>	<u>782</u>	_____	_____
Temperature	<u>13.8</u>	<u>14.0</u>	<u>14.7</u>	<u>14.6</u>	_____	_____
Turbidity	<u>7999</u>	<u>7999</u>	<u>7999</u>	<u>-10</u>	_____	_____

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MWB-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 08:40

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008876, 008885 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-C Project Name: AL Tech  
 Date: 12/12/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 4 (inches) Well Depth: 19.16 (feet below TOC)  
 Water Level: 9.21 (feet below TOC) Water Column: 9.95 (feet)  
 Purge Volume: 6.47 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 07:21 Time Completed: 08:00

## Field Parameters

	Pre Purge	7	14	26		
Well Volume						
pH	<u>6.64</u>	<u>7.05</u>	<u>7.08</u>	<u>7.08</u>		
Conductivity	<u>1020</u>	<u>777</u>	<u>720</u>	<u>722</u>		
Temperature	<u>13.5</u>	<u>14.7</u>	<u>13.8</u>	<u>13.9</u>		
Turbidity	<u>-10</u>	<u>-10</u>	<u>-10</u>	<u>-10</u>		

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MWC-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 08:00

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008876, 008884 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MWD1 Project Name: AL Tech  
 Date: 12/12/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 21.30 (feet below TOC)  
 Water Level: 11.16 (feet below TOC) Water Column: 10.14 (feet)  
 Purge Volume: 1.62 (gallons)  
 Well Purged With: submersible pump w/dedicated tubing  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 09:19 Time Completed: 09:40

## Field Parameters

Well Volume	Pre Purge	Well Volume Calculation				
		2	4	6		
pH	<u>6.84</u>	<u>6.96</u>	<u>7.00</u>	<u>7.04</u>	Well Diameter	Multiply by
Conductivity	<u>1940</u>	<u>1790</u>	<u>1780</u>	<u>1780</u>	2 inch	Water Column x.16
Temperature	<u>13.7</u>	<u>14.6</u>	<u>14.8</u>	<u>15.1</u>	3 inch	Water Column x.36
Turbidity	<u>7999</u>	<u>-10</u>	<u>-10</u>	<u>-10</u>	4 inch	Water Column x.65
					6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MWD1-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 09:40

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: 008876, 008880 Shipment/Tracking No.: \_\_\_\_\_



# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-D2 Project Name: AL Tech  
 Date: 12/12/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 15.33 (feet below TOC)  
 Water Level: 11.42 (feet below TOC) Water Column: 3.91 (feet)  
 Purge Volume: 0.63 (gallons)  
 Well Purged With: submersible pump w/dedicated tubing  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 10:04 Time Completed: 10:30

## Field Parameters

Well Volume	Pre Purge				Well Volume Calculation	
	2	4	6	Well Diameter	Multiply by	
pH	<u>7.66</u>	<u>7.33</u>	<u>7.26</u>	<u>2</u> inch	Water Column x.16	
Conductivity	<u>1230</u>	<u>1590</u>	<u>1620</u>	<u>3</u> inch	Water Column x.36	
Temperature	<u>11.2</u>	<u>14.5</u>	<u>14.6</u>	<u>4</u> inch	Water Column x.65	
Turbidity	<u>502</u>	<u>-10</u>	<u>-10</u>	<u>6</u> inch	Water Column x1.41	

## Sampling

Sampling I.D.: WAT-GW-MWD2-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 10:30

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: 008876, 008880 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: TF-1 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 14.91 (feet below TOC)  
 Water Level: 4.93 (feet below TOC) Water Column: 9.98 (feet)  
 Purge Volume: 1.6 (gallons)  
 Well Purged With: submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 13:15 Time Completed: 13:45

## Field Parameters

Well Volume	Pre Purge	1.6	3.2	4.8	Well Volume Calculation	
					Well Diameter	Multiply by
pH	7.60	7.52	7.44	7.66	2 inch	Water Column x.16
Conductivity	1470	1440	1420	1560	3 inch	Water Column x.36
Temperature	9.6	8.7	8.4	9.2	4 inch	Water Column x.65
Turbidity	444	43	10	2	6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-TF1-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 13:45

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: 00 8870, 00 8871 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: PH-1 Project Name: AL Tech  
 Date: 12/11/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 15.29 (feet below TOC)  
 Water Level: 4.72 (feet below TOC) Water Column: 10.57 (feet)  
 Purge Volume: 1.69 (gallons)  
 Well Purged With: submersible pump w/dedicated tubing  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 14:00 Time Completed: 14:25

## Field Parameters

Well Volume	Pre Purge	1.7	3.4	5.1	Well Volume Calculation	
					Well Diameter	Multiply by
pH	<u>7.21</u>	<u>7.07</u>	<u>7.02</u>	<u>7.08</u>	2 inch	Water Column x.16
Conductivity	<u>630</u>	<u>558</u>	<u>565</u>	<u>578</u>	3 inch	Water Column x.36
Temperature	<u>7.6</u>	<u>8.4</u>	<u>8.8</u>	<u>8.5</u>	4 inch	Water Column x.65
Turbidity	<u>999</u>	<u>10</u>	<u>10</u>	<u>10</u>	6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-PH1-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 14:25

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: 008870 , 008871 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: H-4D Project Name: AL Tech  
 Date: 12/10/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 26.45 (feet below TOC)  
 Water Level: 10.41 (feet below TOC) Water Column: 16.04 (feet)  
 Purge Volume: 2.57 (gallons)  
 Well Purged With: Submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (✓) Until 3 Well Volumes Were Removed  
 Time Started: 12:38 Time Completed: 13:20

## Field Parameters

	Pre Purge	3	6	9		
Well Volume						
pH	<u>9.84</u>	<u>9.46</u>	<u>8.44</u>	<u>8.22</u>		
Conductivity	<u>849</u>	<u>1700</u>	<u>1640</u>	<u>1680</u>		
Temperature	<u>10.7</u>	<u>11.8</u>	<u>12.5</u>	<u>12.5</u>		
Turbidity	<u>30</u>	<u>42</u>	<u>-10</u>	<u>-10</u>		

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-H4D-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 13:20

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008863, 008860 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: H-4S Project Name: AL Tech  
 Date: 12/10/96 Project Number: 483804  
 Project Team: M. Fleming / B. Diacont / P. Peterson / Adirondack  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 17.14 (feet below TOC)  
 Water Level: 8.63 (feet below TOC) Water Column: 8.51 (feet)  
 Purge Volume: 1.36 (gallons)  
 Well Purged With: Submersible pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (  ) Until 3 Well Volumes Were Removed  
 Time Started: 14:16 Time Completed: 14:50

## Field Parameters

Well Volume	Pre Purge	2	4	5	_____	_____
pH	<u>8.17</u>	<u>8.0</u>	<u>7.71</u>	<u>7.56</u>	_____	_____
Conductivity	<u>871</u>	<u>865</u>	<u>855</u>	<u>869</u>	_____	_____
Temperature	<u>10.6</u>	<u>12.2</u>	<u>12.5</u>	<u>12.4</u>	_____	_____
Turbidity	<u>-10</u>	<u>-16</u>	<u>-10</u>	<u>-10</u>	_____	_____

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-H4S-1196 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible pump w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 14:50

## Sample Parameters:

See chain-of-custody  
+ attached Master Sample Log

Chain of Custody: 008863, 008860 Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-4 Project Name: AcTECH  
 Date: 09/23/97 Project Number: 483504  
 Project Team: G. FRISCH / C. BONNER  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 19.81 (feet below TOC)  
 Water Level: 16.35 (feet below TOC) Water Column: 3.46 (feet)  
 Purge Volume: .6 (gallons)  
 Well Purged With: SUBMERSIBLE PUMP w/ dedicated tubing  
 Well purged: ( ) Until Dry (X) Until 3 Well Volumes Were Removed  
 Time Started: 0850 Time Completed: 0955

## Field Parameters

Well Volume	Pre Purge	.6	1.2	1.8	_____	_____
pH	<u>7.71</u>	<u>7.13</u>	<u>7.04</u>	<u>7.00</u>	_____	_____
Conductivity	<u>992</u>	<u>1170</u>	<u>1190</u>	<u>1190</u>	_____	_____
Temperature	<u>15.4</u>	<u>15.5</u>	<u>15.4</u>	<u>15.4</u>	_____	_____
Turbidity	<u>71000</u>	<u>776</u>	<u>375</u>	<u>70</u>	_____	_____

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW4-0997 Sample Description: \_\_\_\_\_  
 Collection Method: SUBMERSIBLE PUMP w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 1000

## Sample Parameters:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-413 Project Name: ALTECH  
 Date: 09/23/97 Project Number: 483804  
 Project Team: G. FRISCH / C BONNER  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 57.0 (feet below TOC)  
 Water Level: 17.32 (feet below TOC) Water Column: 34.68 (feet)  
 Purge Volume: 5.4 (gallons)  
 Well Purged With: SUBMERSIBLE PUMP w/ dedicated tubing  
 Well purged: ( ) Until Dry (X) Until 3 Well Volumes Were Removed  
 Time Started: 1015 Time Completed: 1040

## Field Parameters

Well Volume	Pre Purge				Well Volume Calculation	
	5.4	10.8	16.2	Well Diameter	Multiply by	
pH	<u>5.45</u>	<u>5.36</u>	<u>5.77</u>	<u>5.73</u>	2 inch Water Column x.16	
Conductivity	<u>676</u>	<u>633</u>	<u>431</u>	<u>462</u>	3 inch Water Column x.36	
Temperature	<u>15.4</u>	<u>14.9</u>	<u>14.8</u>	<u>14.8</u>	4 inch Water Column x.65	
Turbidity	<u>&lt;10</u>	<u>189</u>	<u>&lt;10</u>	<u>13</u>	6 inch Water Column x1.41	

## Sampling

Sampling I.D.: WAT-GW-MW413-0997 Sample Description: \_\_\_\_\_  
 Collection Method: SUBMERSIBLE PUMP w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 1045

## Sample Parameters:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-6 Project Name: ALTECH

Date: 09/23/97 Project Number: \_\_\_\_\_

Project Team: G. Faisch / C. Banner

Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm

Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 18.49 (feet below TOC)

Water Level: 13.21 (feet below TOC) Water Column: 5.28 (feet)

Purge Volume: .8 (gallons)

Well Purged With: SUBMERSIBLE Pump w/ dedicated tubing

Well purged: ( ) Until Dry (X) Until 3 Well Volumes Were Removed

Time Started: 1110 Time Completed: 1135

## Field Parameters

Well Volume	Pre Purge	.8	1.6	2.4	_____	_____
pH	<u>7.45</u>	<u>7.28</u>	<u>7.22</u>	<u>7.29</u>	_____	_____
Conductivity	<u>329</u>	<u>259</u>	<u>262</u>	<u>271</u>	_____	_____
Temperature	<u>19.0</u>	<u>19.7</u>	<u>19.9</u>	<u>20.3</u>	_____	_____
Turbidity	<u>71000</u>	<u>260</u>	<u>&lt;10</u>	<u>&lt;10</u>	_____	_____

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW6-0997 Sample Description: \_\_\_\_\_

Collection Method: SUBMERSIBLE PUMP w/ dedicated tubing

Time Started: \_\_\_\_\_ Time Completed: 1135

## Sample Parameters:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

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# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-18 Project Name: ALTECH  
 Date: 09/23/98 Project Number: 483804  
 Project Team: G. FRISCH / C. BONNER  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 4 (inches) Well Depth: 17.96 (feet below TOC)  
 Water Level: 9.56 (feet below TOC) Water Column: 8.40 (feet)  
 Purge Volume: 5.5 (gallons)  
 Well Purged With: SUBMERSIBLE PUMP w/ dedicated tubing  
 Well purged:  Until Dry ( ) Until \_\_\_\_\_ Well Volumes Were Removed  
 Time Started: 1520 Time Completed: 1550

## Field Parameters

	Pre Purge	5.5	160	140
Well Volume				
pH	<u>7.32</u>	<u>7.25</u>	<u>7.26</u>	<u>7.20</u>
Conductivity	<u>688</u>	<u>570</u>	<u>667</u>	<u>682</u>
Temperature	<u>16.4</u>	<u>17.3</u>	<u>18.0</u>	<u>17.6</u>
Turbidity	<u>2.000</u>	<u>110</u>	<u>285</u>	<u>625</u>

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW18-0997 Sample Description: \_\_\_\_\_  
 Collection Method: SUBMERSIBLE PUMP w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 1440 1550

## Sample Parameters:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-19 Project Name: ACTECH  
 Date: 09/23/97 Project Number: 483804  
 Project Team: G. FRISCH / C. BONNER  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 4 (inches) Well Depth: 24.33 (feet below TOC)  
 Water Level: 12.31 (feet below TOC) Water Column: 12.02 (feet)  
 Purge Volume: 7.8 (gallons)  
 Well Purged With: SUBMERSIBLE pump w/ dedicated tubing  
 Well purged: (X) Until Dry ( ) Until \_\_\_\_\_ Well Volumes Were Removed  
 Time Started: 1415 Time Completed: 1440

## Field Parameters

Well Volume	Pre Purge			Well Volume Calculation	
	7.8	15.0		Well Diameter	Multiply by
pH	<u>7.25</u>	<u>7.28</u>	<u>7.09</u>	2 inch	Water Column x.16
Conductivity	<u>2610</u>	<u>1130</u>	<u>2230</u>	3 inch	Water Column x.36
Temperature	<u>14.9</u>	<u>15.1</u>	<u>14.9</u>	4 inch	Water Column x.65
Turbidity	<u>71000</u>	<u>71000</u>	<u>71000</u>	6 inch	Water Column x1.41

## Sampling

Sampling I.D.: WAT-GW-MW19-0997 Sample Description: \_\_\_\_\_  
 Collection Method: SUBMERSIBLE PUMP w/ DEDICATED TUBING  
 Time Started: \_\_\_\_\_ Time Completed: 1440

## Sample Parameters:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-19B Project Name: ALTECH  
 Date: 09/23/97 Project Number: 483804  
 Project Team: G. FRISCH / C. BONNER  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 4 (inches) Well Depth: 44.74 (feet below TOC)  
 Water Level: 12.22 (feet below TOC) Water Column: 32.52 (feet)  
 Purge Volume: 21 (gallons)  
 Well Purged With: \_\_\_\_\_  
 Well purged:  Until Dry ( ) Until \_\_\_\_\_ Well Volumes Were Removed  
 Time Started: 1300 Time Completed: 1400

## Field Parameters

	Pre Purge	21	35	_____	_____	_____
Well Volume						
pH	<u>6.13</u>	<u>6.00</u>	<u>6.01</u>			
Conductivity	<u>6600</u>	<u>6150</u>	<u>6140</u>			
Temperature	<u>14.7</u>	<u>14.6</u>	<u>14.5</u>			
Turbidity	<u>&gt;1000</u>	<u>&lt;10</u>	<u>&lt;10</u>			

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: ALT-GW-MW19B-0997 Sample Description: \_\_\_\_\_  
 Collection Method: SUBMERSIBLE PUMP w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 1400

## Sample Parameters:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

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# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: AP-2 Project Name: ALTECH  
 Date: 09/24/1997 Project Number: 483804  
 Project Team: G. Feisch / C. Bonner  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 24.0 (feet below TOC)  
 Water Level: 14.71 (feet below TOC) Water Column: 9.29 (feet)  
 Purge Volume: 1.5 (gallons)  
 Well Purged With: SUBMERSIBLE PUMP w/ dedicated bailer tubing  
 Well purged: ( ) Until Dry (X) Until 3 Well Volumes Were Removed  
 Time Started: 0915 Time Completed: 0930

## Field Parameters

Well Volume	Pre Purge				Well Volume Calculation	
	1.5	3.0	4.5	Well Diameter	Multiply by	
pH	<u>6.28</u>	<u>5.30</u>	<u>4.97</u>	<u>4.86</u>	2 inch Water Column x.16	
Conductivity	<u>1940</u>	<u>843</u>	<u>802</u>	<u>791</u>	3 inch Water Column x.36	
Temperature	<u>15.9</u>	<u>17.0</u>	<u>16.9</u>	<u>16.7</u>	4 inch Water Column x.65	
Turbidity	<u>&gt;1000</u>	<u>903</u>	<u>199</u>	<u>148</u>	6 inch Water Column x1.41	

## Sampling

Sampling I.D.: ALT  
WAF-GW-AP2-0997 Sample Description: \_\_\_\_\_  
 Collection Method: SUBMERSIBLE PUMP w/ dedicated bailer tubing  
 Time Started: \_\_\_\_\_ Time Completed: 0930

## Sample Parameters:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

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# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-B Project Name: ALTECH

Date: 09/24/97 Project Number: 483804

Project Team: G. FRISCH / C. BONNER

Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm

Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 18.21 (feet below TOC)

Water Level: 10.46 (feet below TOC) Water Column: 7.75 (feet)

Purge Volume: 1.3 (gallons)

Well Purged With: Submersible Pump w/ dedicated tubing

Well purged: ( ) Until Dry (X) Until 3 Well Volumes Were Removed

Time Started: 0835 Time Completed: 0850

## Field Parameters

	Pre Purge	1.3	2.6	3.9		
Well Volume						
pH	<u>7.48</u>	<u>7.33</u>	<u>7.32</u>	<u>7.38</u>		
Conductivity	<u>284</u>	<u>278</u>	<u>278</u>	<u>278</u>		
Temperature	<u>15.7</u>	<u>17.4</u>	<u>17.5</u>	<u>17.4</u>		
Turbidity	<u>537</u>	<u>232</u>	<u>104</u>	<u>257</u>		

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: ALT-GW-MWB-0997 Sample Description: \_\_\_\_\_

Collection Method: Submersible Pump w/ dedicated tubing

Time Started: \_\_\_\_\_ Time Completed: 0850

## Sample Parameters:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

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# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: MW-D1 Project Name: ALTECH  
 Date: 09/24/97 Project Number: 483804  
 Project Team: G. Faisch / C. Bonner  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 2 (inches) Well Depth: 15.15 (feet below TOC)  
 Water Level: 12.68 (feet below TOC) Water Column: 2.47 (feet)  
 Purge Volume: .5 (gallons)  
 Well Purged With: Submersible Pump w/ dedicated tubing  
 Well purged: ( ) Until Dry (X) Until 3 Well Volumes Were Removed  
 Time Started: 1418 Time Completed: 1430

## Field Parameters

Well Volume	Pre Purge				Well Volume Calculation	
	<u>.5</u>	<u>1.0</u>	<u>1.5</u>	Well Diameter	Multiply by	
pH	<u>7.73</u>	<u>7.42</u>	<u>7.38</u>	<u>2</u> inch	Water Column x.16	
Conductivity	<u>1340</u>	<u>1230</u>	<u>1240</u>	<u>3</u> inch	Water Column x.36	
Temperature	<u>17.1</u>	<u>17.0</u>	<u>17.2</u>	<u>4</u> inch	Water Column x.65	
Turbidity	<u>256</u>	<u>&lt;10</u>	<u>&lt;10</u>	<u>6</u> inch	Water Column x1.41	

## Sampling

Sampling I.D.: ALT-GW-MWD1-0997 Sample Description: \_\_\_\_\_  
 Collection Method: Submersible Pump w/ dedicated bailer  
 Time Started: \_\_\_\_\_ Time Completed: 1430

## Sample Parameters:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: RW-1B Project Name: ALTECH  
 Date: 09/24/97 Project Number: 483804  
 Project Team: G. Faisch / C. Bonner  
 Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm  
 Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: 6 (inches) Well Depth: 71.31 (feet below TOC)  
 Water Level: 17.62 (feet below TOC) Water Column: 53.69 (feet)  
 Purge Volume: 80 (gallons)  
 Well Purged With: SUBMERSIBLE PUMP w/ dedicated tubing  
 Well purged:  Until Dry ( ) Until \_\_\_\_\_ Well Volumes Were Removed  
 Time Started: 1040 Time Completed: 1200

## Field Parameters

	Pre Purge	80	160	180
Well Volume				
pH	<u>7.30</u>	<u>8.13</u>	<u>8.25</u>	<u>8.21</u>
Conductivity	<u>988</u>	<u>1130</u>	<u>1210</u>	<u>1220</u>
Temperature	<u>14.2</u>	<u>16.0</u>	<u>16.1</u>	<u>16.2</u>
Turbidity	<u>70</u>	<u>580</u>	<u>292</u>	<u>45</u>

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: ALT-GW-RW1B-0997 Sample Description: \_\_\_\_\_  
 Collection Method: SUBMERSIBLE PUMP w/ dedicated tubing  
 Time Started: \_\_\_\_\_ Time Completed: 1215

## Sample Parameters:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

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# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: RW-2B Project Name: ALTECH

Date: 09/24/97 Project Number: 483804

Project Team: G. FASCH / C. BONNER

Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm

Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: \_\_\_\_\_ (inches) Well Depth: \_\_\_\_\_ (feet below TOC)

Water Level: \_\_\_\_\_ (feet below TOC) Water Column: \_\_\_\_\_ (feet)

Purge Volume: \_\_\_\_\_ (gallons)

Well Purged With: SUBMERSIBLE PUMP (PREVIOUSLY INSTALLED)

Well purged: ( ) Until Dry ( ) Until \_\_\_\_\_ Well Volumes Were Removed

Time Started: \_\_\_\_\_ Time Completed: \_\_\_\_\_

## Field Parameters

Well Volume	<u>Pre Purge</u>	_____	_____	_____	_____
pH	<u>6.78</u>	_____	_____	_____	_____
Conductivity	<u>1290</u>	_____	_____	_____	_____
Temperature	<u>16.4</u>	_____	_____	_____	_____
Turbidity	<u>268</u>	_____	_____	_____	_____

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: ALT-GW-RW2B-0997 Sample Description: \_\_\_\_\_

Collection Method: SUBMERSIBLE PUMP (PREVIOUSLY INSTALLED)

Time Started: \_\_\_\_\_ Time Completed: \_\_\_\_\_

## Sample Parameters:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

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# GROUNDWATER PURGE AND SAMPLE LOG

Well No.: RW-6 Project Name: ALTECH

Date: 09/24/97 Project Number: 483804

Project Team: G. FUSCH / C. BONNER

Organic Vapors at Well Head: NA ppm Breathing Zone: NA ppm

Remarks on Well Integrity: \_\_\_\_\_

## Purging

Well Diameter: \_\_\_\_\_ (inches) Well Depth: \_\_\_\_\_ (feet below TOC)

Water Level: \_\_\_\_\_ (feet below TOC) Water Column: \_\_\_\_\_ (feet)

Purge Volume: \_\_\_\_\_ (gallons)

Well Purged With: SUBMERSIBLE PUMP (PREVIOUSLY INSTALLED)

Well purged: ( ) Until Dry ( ) Until \_\_\_\_\_ Well Volumes Were Removed

Time Started: \_\_\_\_\_ Time Completed: \_\_\_\_\_

## Field Parameters

Well Volume	<u>Pre Purge</u>	_____	_____	_____	_____
pH	<u>6.87</u>	_____	_____	_____	_____
Conductivity	<u>961</u>	_____	_____	_____	_____
Temperature	<u>17.5</u>	_____	_____	_____	_____
Turbidity	<u>&lt;10</u>	_____	_____	_____	_____

Well Volume Calculation	
Well Diameter	Multiply by
2 inch	Water Column x.16
3 inch	Water Column x.36
4 inch	Water Column x.65
6 inch	Water Column x1.41

## Sampling

Sampling I.D.: ALT-GW-RWG-0997 Sample Description: \_\_\_\_\_

Collection Method: SUBMERSIBLE PUMP (PREVIOUSLY INSTALLED)

Time Started: \_\_\_\_\_ Time Completed: 1510

## Sample Parameters:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Chain of Custody: \_\_\_\_\_ Shipment/Tracking No.: \_\_\_\_\_

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