

**Remedial
Investigation
Report**

Vogel Paint &
Wax Co., Inc.



**Amendment to
Appendices**

Orange City, Iowa

April 1989



H D R
HDR Engineering, Inc.

30305947



Superfund

AMENDMENTS TO APPENDIX B

BORING LOGS

MONITORING WELL COMPLETION DETAILS

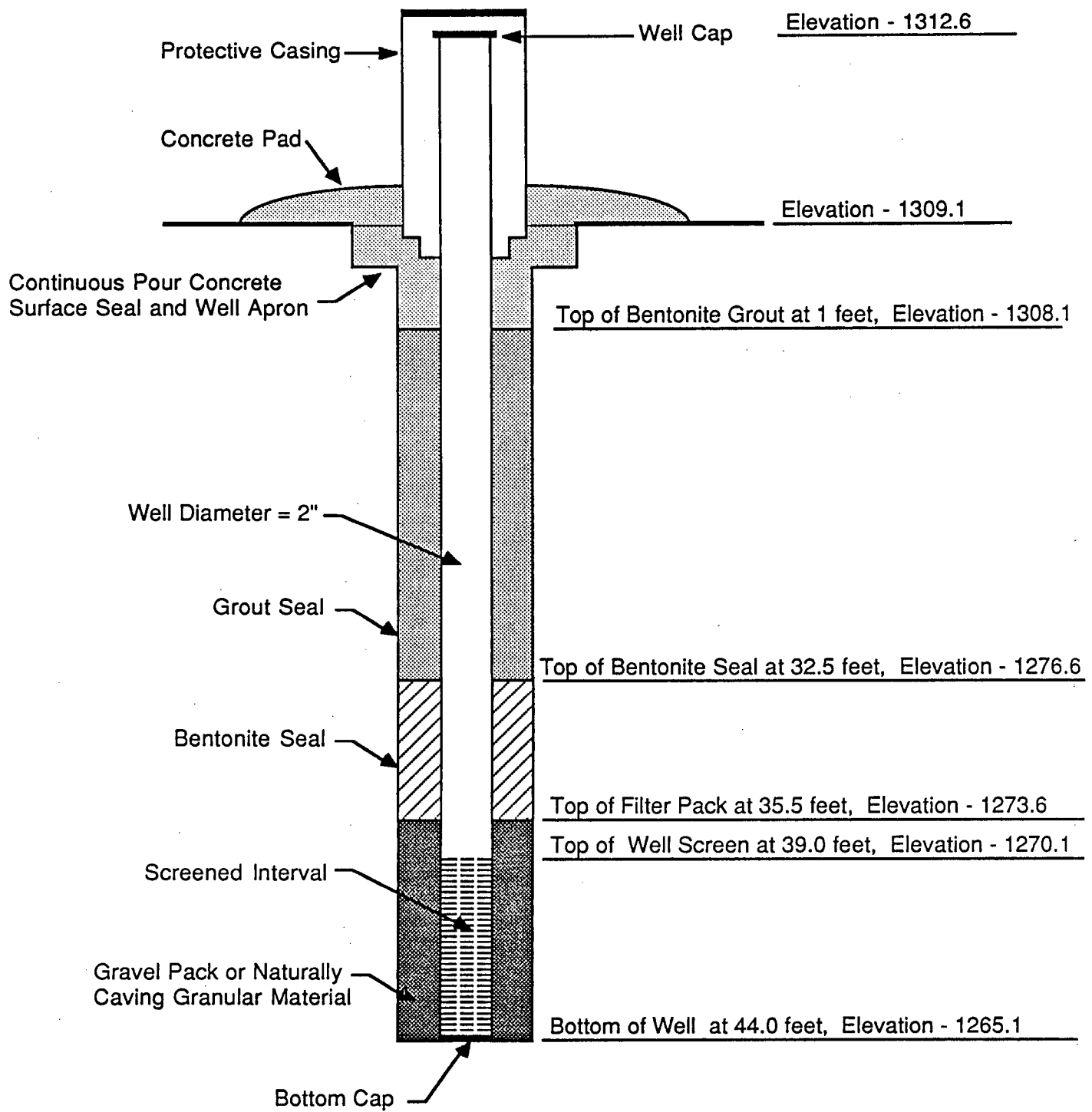


Diagram not drawn to scale

Project Name: VOGEL PAINT AND WAX

Project Number: 02243-001-107

Monitoring Well Number: TC-26

Date Drilled: 8/23/88

Date Completed: 8/23/88



HDR Engineering

HDR ENGINEERING, INC.

PROJECT NAME: VOGEL PAINT AND WAX				PROJECT NUMBER: 02243-001-107		PAGE 1 OF 2	
Boring NUMBER: TC-26				BORING LOCATION: See Topographic Map			
SAMPLE				GROUND SURFACE ELEVATION: 1309 feet above mean sea level			

NUMBER	TIME	DEPTH (FEET)	LENGTH (FEET)	RECOVERY (%)	TYPE	DESCRIPTION (USCS)	REMARKS	
		2				Dark Brown Silty Clay with some sand, 1.5 Topsoil.	No OVA readings in soil sample or in auger cuttings.	
1		4	1.5		split spoon	Gray and Brown Clayey Silt, (lean clay), mottled, iron stained, dry. (ML/CL)		
		6						
		8						
		10						
2		12	1.5		split spoon	12		No OVA readings in soil sample or in auger cuttings.
		14				Brown Sandy Silty Clay with gravel, (Till), dry. (CL)		
3		16	1.5		split spoon			
		18						
4		20	1.5		split spoon	Brown with some Gray Sandy Silty Clay, with gravel, (Till), dry. (CL)		No OVA readings in soil sample or in auger cuttings.
		22						
		24						

BOREHOLE COMPLETION: Boring completed by installing a monitoring well.		 HDR ENGINEERING, INC.
WATER LEVEL		
WHILE DRILLING: 39.5 feet		
AFTER DRILLING: monitoring well installed _____	HOURS AFTER DRILLING: _____	
AFTER DRILLING: _____	HOURS AFTER DRILLING: _____	
DRILLING TYPE: Hollow Stem Augers		
SAMPLING TYPE: Split Spoon Sampler		
STARTED: 8/23/88	TIME: 0716 hours	
COMPLETED: 8/23/88	1800 hours	
LOGGED BY: Keith Potts (HDR)	SAMPLED BY: _____	

HDR ENGINEERING, INC.

PROJECT NAME: VOGEL PAINT AND WAX				PROJECT NUMBER: 02243-001-107		PAGE 2 OF 2	
Boring Number: TC-26				BORING LOCATION: See Topographic Map			
SAMPLE				GROUND SURFACE ELEVATION: 1309 feet above mean sea level			

NUMBER	TIME	DEPTH (FEET)	LENGTH (FEET)	RECOVERY (%)	TYPE	DESCRIPTION (USCS)	REMARKS	
5			1.5		split spoon	Brown with some Gray Sandy Silty Clay, with gravel, (Till), dry. (CL)	OVA registering 0.2 parts per million in the sample No OVA readings in soil sample or in auger cuttings. No OVA readings in soil sample or in auger cuttings.	
		26						
		28						28.5
6		30	1.5		split spoon	Brown Fine to Medium Sand, some silt, dry.		
		32				32.5		
		34				Gray with some Brown Fine to Medium Sand, dry.		
		36						
		38						
						39.5		
7		40	.9		split spoon	Brown Silty Fine to Coarse Sand, with iron staining, wet.		
		42				42		
						43.5	Light Brown Coarse Sand and Gravel, with Cobbles.	
		44				45	Gray-Brown Sandy Silty Clay, with gravel. (Till) (CL)	
			.7		split spoon	Total Depth of Boring 45 feet.		
		46						
		48						

BOREHOLE COMPLETION: Boring completed by installing a monitoring well.	
WATER LEVEL	
WHILE DRILLING: 39.5 feet	
AFTER DRILLING: monitoring well installed _____	HOURS AFTER DRILLING: _____
AFTER DRILLING: _____	HOURS AFTER DRILLING: _____
DRILLING TYPE: Hollow Stem Augers	
SAMPLING TYPE: Split Spoon Sampler	
DATE: 8/23/88	TIME: 0716 hours
COMPLETED: 8/23/88	1800 hours
LOGGED BY: Keith Potts (HDR)	SAMPLED BY: _____



HDR ENGINEERING, INC.

HDR ENGINEERING, INC.

PROJECT NAME: VOGEL PAINT AND WAX				PROJECT NUMBER: 02243-001-107		PAGE 1 OF 3	
RING NUMBER: B-32				BORING LOCATION: See Topographic Map			
SAMPLE				GROUND SURFACE ELEVATION: 1316 feet above mean sea level			
NUMBER	TIME	DEPTH (FEET)	LENGTH (FEET)	RECOVERY (%)	TYPE	DESCRIPTION (USCS)	REMARKS
Geotechnical Sampling for stratigraphic logging and OVA scanning.		2				Dark Brown Silty Clay with some sand, Topsoil.	No OVA reading registered on the air monitoring instrument during drilling and sampling.
		4					
		6					
		8				Gray and Brown Clayey Silt with some sand, (lean clay), mottled, iron stained, trace of organics, dry. (ML/CL)	
		10					
		12					
		13.0					
		14				Brown Sandy Silty Clay (Till). dry. (CL)	
		16					
		18.0					
		20				Gray and Brown Sandy Silty Clay, (Till) with sand seams, dry. (CL)	
		22					
		24					

BOREHOLE COMPLETION: Filled with Bentonite Grout to Ground Surface		
WATER LEVEL		
WHILE DRILLING: 46 feet		
AFTER DRILLING: Boring grouted shut	HOURS AFTER DRILLING:	
AFTER DRILLING:	HOURS AFTER DRILLING:	
DRILLING TYPE: Hollow Stem Augers		
SAMPLING TYPE: Split Spoon Sampler		HDR ENGINEERING, INC.
STARTED: 8/22/88	TIME: 1325 hours	
COMPLETED: 8/22/88	1800 hours	
LOGGED BY: Keith Potts (HDR) SAMPLED BY:		

HDR ENGINEERING, INC.

PROJECT NAME: VOGEL PAINT AND WAX				PROJECT NUMBER: 02243-001-107		PAGE 2 OF 3	
RING NUMBER: B-32				BORING LOCATION: See Topographic Map			
SAMPLE				GROUND SURFACE ELEVATION: 1316 feet above mean sea level			
NUMBER	TIME	DEPTH (FEET)	LENGTH (FEET)	RECOVERY (%)	TYPE	DESCRIPTION (USCS)	REMARKS
Geotechnical Sampling for stratigraphic logging and OVA scanning.		26				Gray and Brown Sandy Silty Clay, (Till), with sand seams, dry. (CL)	No OVA reading registered on the air monitoring instrument during drilling and sampling.
		28					
		30				31.0	
		32				Gray and Brown Fine to Coarse Silty Sand Dry.	
		34					
		36				36.4	
		38				Gray and Brown Sandy Silty Clay, (Till), with sand seams, dry. (CL)	
		40				41.0	
		42				Mostly Gray Sandy Silty Clay, (Till), dry. (CL)	
		44					
	46				46.0	Mostly Brown with some Gray Silty Fine to Medium Grained Sand, Grading to Fine to Coarse towards 51.5 feet.	
	48						

BOREHOLE COMPLETION: Filled with Bentonite Grout to Ground Surface

WATER LEVEL

WHILE DRILLING: 46 feet

AFTER DRILLING: Boring grouted shut _____ **HOURS AFTER DRILLING:** _____

AFTER DRILLING: _____ **HOURS AFTER DRILLING:** _____

DRILLING TYPE: Hollow Stem Augers

SAMPLING TYPE: Split Spoon Sampler

STARTED: 8/22/88 **TIME:** 1325 hours

COMPLETED: 8/22/88 **1800 hours**

LOGGED BY: Keith Potts (HDR) **SAMPLED BY:** _____



HDR ENGINEERING, INC.

HDR ENGINEERING, INC.

PROJECT NAME: VOGEL PAINT AND WAX				PROJECT NUMBER: 02243-001-107				PAGE 3 OF 3			
RING NUMBER: B-32				BORING LOCATION: See Topographic Map							
SAMPLE				GROUND SURFACE ELEVATION: 1316 feet above mean sea level							
NUMBER	TIME	DEPTH (FEET)	LENGTH (FEET)	RECOVERY (%)	TYPE	DESCRIPTION (USCS)				REMARKS	
Geotechnical Sampling for stratigraphic logging and OVA scanning.		50				Mostly Brown with some Gray Silty Fine to Medium Grained Sand, Grading to Fine to Coarse towards 51.5 feet.				No OVA readings in breathing zone registered during drilling.	
		51.5				Total Depth of Boring 51.5 Feet					
		52									
		54									
		56									
		58									
		60									
BOREHOLE COMPLETION: Filled with Bentonite Grout to Ground Surface WATER LEVEL WHILE DRILLING: 46 feet AFTER DRILLING: Boring grouted shut _____ HOURS AFTER DRILLING: AFTER DRILLING: _____ HOURS AFTER DRILLING: DRILLING TYPE: Hollow Stem Augers SAMPLING TYPE: Split Spoon Sampler											
DATE: 8/22/88 TIME: 1325 hours STARTED: 8/22/88 COMPLETED: 1800 hours SAMPLED BY:											
 HDR ENGINEERING, INC.											

AMENDMENTS TO APPENDIX C

ATI DETECTION LIMITS AND QUALITY CONTROL ANALYSES

DETECTION LIMITS FOR SOIL SAMPLES
ANALYTICAL TECHNOLOGIES, INC.
SEMI-VOLATILE ORGANIC ANALYSIS
(Continued)

mg/Kg		mg/Kg	
< 0.19	Hexachlorobenzene	< 0.25	Hexachlorocyclopentadiene
< 0.19	Nitrobenzene	< 0.16	Napthalene
< 0.19	1,2-Dichlorobenzene	< 0.19	2-Chloronapthalene
< 0.19	1,3-Dichlorobenzene	< 0.57	1,2-Diphenylhydrazine
< 0.44	1,4-Dichlorobenzene	< 0.25	Di-n-Octyl Phthalate
< 0.19	1,2,4-Trichlorobenzene		
< 1.7	3,3-Dichlorobenzidine		
< 0.57	2,4-Dinitrotoluene		
< 0.25	2,6-Dinitrotoluene		
< 0.25	N-Nitrosodimethylamine		
< 0.19	N-Nitrosodiphenylamine		
< 0.25	N-Nitrosodi-n-propylamine		
< 2.2	Diethyl Phthalate		
< 0.16	Dimethyl Phthalate		
< 0.25	Di-n-butyl Phthalate		
< 0.25	Butylbenzylphthalate		
< 0.25	Bis (2-ethylhexyl) phthalate		
< 0.57	Bis (2-chloroethyl) ether		
< 0.57	Bis (2-chloroisopropyl) ether		
< 0.42	4-Chlorophenyl-phenyl ether		
< 0.53	Bis (2-chloroethoxy) methane		
< 0.19	4-Bromophenyl-phenyl ether		
< 0.16	Hexachloroethane		
< 0.09	Hexachlorobutadiene		

AMENDMENTS TO APPENDIX D

PIEZOMETRIC MEASUREMENTS

VOGEL PAINT AND WAX COMPANY
GROUNDWATER LEVEL (FT ABOVE MSL)

DATE	MONITORING WELL NUMBER				
	TC 1 S	TC 1 M	TC 1 D	TC 2 S	TC 2 D
6/29/84	1,296.9	1,285.1	1,285.1	1,288.0	1,288.0
7/16/84	1,295.6	1,287.5	1,287.5	1,287.5	1,287.5
7/26/84	1,293.5	1,286.8	1,286.8	1,286.8	1,286.7
8/13/84	1,291.7	1,285.8	1,285.8	1,285.8	1,285.8
9/15/84	1,289.5	1,283.8	1,283.8	1,283.7	1,283.7
10/01/84	DRY	1,283.3	1,283.3	1,283.2	1,283.2
10/24/84	DRY	1,282.8	1,282.8	1,282.6	1,282.6
11/09/84	DRY	1,282.6	1,282.6	1,282.4	1,282.4
11/28/84	DRY	1,282.3	1,282.3	1,282.0	1,282.0
5/31/85	1,290.9	1,281.8	1,281.8	1,281.4	1,281.4
10/10/85			1,280.4		1,280.4
11/19/85			1,280.5		1,280.2
12/03/85			1,280.7		1,280.5
12/17/85	DRY		1,280.4		1,280.1
1/14/86			1,280.2		1,279.9
2/07/86	DRY		1,280.0		1,279.8
2/26/86			1,280.1		1,279.8
3/20/86			1,279.8		1,279.5
4/09/86			1,280.1		1,279.8
4/24/86			1,280.2	1,279.9	1,279.9
5/15/86			1,281.2		1,280.6
6/4/86			1,281.1		1,277.9
7/2/86			1,281.4		1,281.0
7/16/86			1,281.3		1,281.1
8/6/86	DRY		1,281.1		1,280.9
8/20/86			1,280.8		1,280.4
9/30/86	DRY		1,280.1		1,279.9
10/20/86	DRY		1,280.1		1,279.8
11/25/86			1,279.8		1,279.6
12/29/86	DRY		1,279.6		1,279.3
1/28/87	DRY		1,279.6		1,279.3
2/17/87			1,279.3		1,279.0
3/30/87	DRY		1,279.8		1,279.4
6/17/87	DRY	1,280.2	1,280.2	DRY	1,279.8
8/24/87		1,279.9	1,279.9		1,279.8
9/01/87					
12/22/87			1,278.9		1,278.6
4/5/88			1,278.6		
7/19/88			1,277.8		
10/11/88			1,277.8		
1/17/89			1,277.6		

VOGEL PAINT AND WAX COMPANY
GROUNDWATER LEVEL (FT ABOVE MSL)

DATE	MONITORING WELL NUMBER					
	TC 3 S	TC 3 D	TC 4 S	TC 4 D	TC 5 S	TC 5 D
6/29/84	1,288.3	1,288.3	1,289.2	1,289.2	1,287.7	1,287.8
7/16/84	1,287.6	1,287.6	1,288.7	1,288.7	1,287.5	1,287.6
7/26/84	1,286.9	1,286.9	1,288.3	1,288.3	1,286.8	1,286.7
8/13/84	1,285.9	1,285.9	1,287.3	1,287.3	1,285.7	1,285.7
9/15/84	1,284.1	1,284.1	1,285.6	1,285.6	1,283.6	1,283.6
10/01/84	1,283.4	1,283.4	1,285.1	1,285.1	1,283.1	1,283.1
10/24/84	1,282.8	1,282.8	1,284.7	1,284.7	1,282.4	1,282.4
11/09/84	1,282.7	1,282.7	1,284.6	1,284.6	1,282.2	1,282.2
11/28/84	1,282.3	1,282.3	1,284.3	1,284.3	1,281.8	1,281.8
5/31/85	1,281.8	1,281.8	1,283.9	1,283.9	1,281.2	1,281.2
10/10/85		1,280.6		1,282.5		1,280.2
11/19/85		1,280.5		1,282.5		1,280.1
12/03/85		1,280.7		1,282.6		1,280.3
12/17/85		1,280.4		1,282.4		1,280.0
1/14/86		1,280.2		1,282.2		1,279.7
2/07/86		1,280.0		1,282.0		1,279.6
2/26/86		1,280.0		1,203.8		1,279.6
3/20/86		1,279.8		1,281.9		1,279.3
4/09/86		1,280.0		1,282.1		1,279.5
4/24/86	1,280.2	1,280.2	DRY	1,282.4	1,279.7	1,279.7
5/15/86		1,281.0		1,283.1		1,280.4
6/4/86		1,281.2		1,283.2		1,280.6
7/2/86		1,281.2		1,283.2		1,280.8
7/16/86		1,281.3		1,283.2		1,280.9
8/6/86		1,281.1	DRY	1,283.0		1,280.8
8/20/86		1,280.6		1,282.5		1,280.2
9/30/86		1,280.1	DRY	1,282.1		1,279.7
10/20/86		1,280.1	DRY	1,282.2		1,279.6
11/25/86		1,279.9		1,281.8		1,279.4
12/29/86		1,279.6	DRY	1,281.7		1,279.1
1/28/87		1,279.6	DRY	1,281.6		1,279.1
2/17/87		1,279.3		1,281.3		1,278.8
3/30/87		1,279.7	DRY	1,282.0		1,279.0
6/17/87	1,280.1	1,280.1	DRY	1,282.3	DRY	1,279.7
8/24/87		1,279.9		1,281.9		1,279.6
9/01/87				1,281.8		
12/22/87		1,278.9		1,281.0		1,278.3
4/5/88		1,279.8		1,280.9		
7/19/88				1,280.0		
10/11/88				1,280.1		
1/17/89				1,279.8		

VOGEL PAINT AND WAX COMPANY
GROUNDWATER LEVEL (FT ABOVE MSL)

DATE	MONITORING WELL NUMBER					
	TC 6 S	TC 6 D	TC 7	TC 8 S	TC 8 D	TC 9
6/29/84	1,304.8	1,287.6	1,284.5	1,286.9	1,286.9	1,286.0
7/16/84	1,304.7	1,287.4	1,284.4	1,286.4	1,286.5	1,285.5
7/26/84	1,304.1	1,286.8	1,284.6	1,286.0	1,285.9	1,285.1
8/13/84	1,302.2	1,285.6	1,283.6	1,285.2	1,285.1	1,284.5
9/15/84	1,300.2	1,283.4	1,283.1	1,283.8	1,283.8	1,282.7
10/01/84	1,299.5	1,283.0	1,283.0	1,283.3	1,283.3	1,282.8
10/24/84	1,301.4	1,282.2	1,283.3	1,283.1	1,283.1	1,282.8
11/09/84	1,300.8	1,282.0	1,283.0	1,283.0	1,283.0	1,282.6
11/28/84	1,300.2	1,281.6	1,282.9	1,282.8	1,282.8	1,282.3
5/31/85		1,280.8	1,280.7	1,282.3	1,282.4	1,281.7
10/10/85		1,279.8	1,281.0		1,280.9	1,280.5
11/19/85		1,279.8	1,280.9		1,280.9	1,280.4
12/03/85		1,280.1	1,280.8		1,281.1	1,280.5
12/17/85	1,298.9	1,279.8	1,280.7		1,280.9	1,280.3
1/14/86		1,279.5	1,280.5		1,280.7	1,280.1
2/07/86	1,297.8	1,279.3	1,280.4		1,280.6	1,280.0
2/26/86		1,279.4	1,280.3		1,280.5	1,280.0
3/20/86		1,279.0	1,281.4		1,280.6	1,280.2
4/09/86		1,279.3	1,281.0		1,280.7	1,280.3
4/24/86		1,279.4	1,281.2	1,281.0	1,281.0	1,280.7
5/15/86		1,280.2	1,281.2		1,281.6	1,281.1
6/4/86		1,280.3	1,281.0		1,281.6	1,281.0
7/2/86		1,280.6	1,281.0		1,281.7	1,281.1
7/16/86		1,280.7	1,280.9		1,281.6	1,281.0
8/6/86	1,297.1	1,280.6	1,280.7		1,281.4	1,280.7
8/20/86		1,280.3	1,280.6		1,280.9	1,280.3
9/30/86	1,295.5	1,279.5	1,280.6		1,280.6	1,280.2
10/20/86	1,296.7	1,279.4	1,280.8		1,280.8	1,280.3
11/25/86		1,279.2	1,280.7		1,280.5	1,280.2
12/29/86	1,296.3	1,278.9	1,280.4		1,280.5	1,279.9
1/28/87	1,295.6	1,278.9	1,280.4		1,280.2	1,279.8
2/17/87		1,278.6	1,280.3		1,280.0	1,279.7
3/30/87	1,300.8	1,278.9	1,281.4		1,280.8	1,280.6
6/17/87	DRY	1,279.5	1,280.9	DRY	1,281.0	1,280.6
8/24/87		1,279.5	1,280.5		1,280.6	1,280.2
9/01/87		1,279.3				1,280.0
12/22/87	DRY	1,278.3	1,280.3		1,279.8	1,279.5
4/5/88		1,277.7				1,279.5
7/19/88		1,277.0				1,278.6
10/11/88		1,276.9				1,279.0
1/17/89		1,276.7				1,278.6

VOGEL PAINT AND WAX COMPANY
GROUNDWATER LEVEL (FT ABOVE MSL)

DATE	MONITORING WELL NUMBER					
	TC 10	TC 11 S	TC 11 M	TC 11 D	TC 12 S	TC 12 D
6/29/84	1,284.7					
7/16/84	1,284.3					
7/26/84	1,284.3					
8/13/84	1,283.6					
9/15/84	1,282.9	DRY	1,283.6	1,283.6	DRY	1,283.6
10/01/84	1,282.7	DRY	1,283.2	1,283.2	DRY	1,283.3
10/24/84	1,283.1	DRY	1,283.0	1,282.9	DRY	1,283.4
11/09/84	1,282.7	DRY	1,282.8	1,282.8	DRY	1,283.1
11/28/84	1,282.6	DRY	1,282.5	1,282.5	DRY	1,282.9
5/31/85	1,280.9	DRY	1,282.1	1,282.1	DRY	1,282.5
10/10/85	1,280.5			1,280.6		1,281.3
11/19/85	1,280.4			1,280.7		1,281.3
12/03/85	1,280.3			1,280.8		1,281.3
12/17/85	1,280.2			1,280.6		1,281.2
1/14/86	1,280.0			1,280.4		1,281.0
2/07/86	1,280.0			1,280.3		1,281.0
2/26/86	1,279.9			1,280.2		1,280.0
3/20/86	1,280.5			1,280.3		1,281.4
4/09/86	1,280.4			1,280.5		1,281.3
4/24/86	1,280.5			1,280.8	DRY	1,281.6
5/15/86	1,280.6			1,281.4		1,281.9
6/4/86	1,280.4			1,281.4		1,281.8
7/2/86	1,280.5			1,281.4		1,281.8
7/16/86	1,280.4			1,281.3		1,281.7
8/6/86	1,280.3	DRY		1,281.0	DRY	1,281.5
8/20/86	1,280.0			1,280.6		1,281.1
9/30/86	1,280.1	DRY		1,280.3	DRY	1,281.1
10/20/86	1,280.2	DRY		1,280.5	DRY	1,281.2
11/25/86	1,280.2			1,280.3		1,281.0
12/29/86	1,279.9	DRY		1,280.0	DRY	1,280.8
1/28/87	1,279.9	DRY		1,280.0	DRY	1,280.7
2/17/87	1,279.8			1,279.7		1,280.6
3/30/87	1,280.8	DRY		1,280.6	DRY	1,281.6
6/17/87	1,280.5	DRY	1,280.9	1,280.9	DRY	1,281.5
8/24/87	1,280.1		1,280.3	1,280.3		1,281.0
9/01/87				1,280.2		
12/22/87	1,279.9			1,279.5		1,280.6
4/5/88				1,279.3		
7/19/88				1,278.6		
10/11/88				1,278.9		
1/17/89				1,278.5		

VOGEL PAINT AND WAX COMPANY
GROUNDWATER LEVEL (FT ABOVE MSL)

DATE	MONITORING WELL NUMBER				
	TC 13 S	TC 13 D	TC 14A S	TC 14A M	TC 14A D
6/29/84					
7/16/84					
7/26/84					
9/15/84	DRY	1,283.5	DRY	1,283.9	1,283.8
10/01/84	DRY	1,283.5	DRY	1,283.3	1,283.2
10/24/84	DRY	1,283.4	DRY	1,283.1	1,283.0
11/09/84	DRY	1,280.0	DRY	1,282.9	1,282.8
11/28/84	DRY	1,283.0	DRY	1,282.7	1,282.6
5/31/85	DRY	1,282.6	DRY	1,282.3	1,282.2
10/10/85		1,281.6			1,280.8
11/19/85		1,281.5			1,280.8
12/03/85		1,281.5			1,280.9
12/17/85		1,281.5			1,280.7
1/14/86		1,281.3			1,280.5
2/07/86		1,281.2			1,280.4
2/26/86		1,279.4			1,280.3
3/20/86		1,281.8			1,280.4
4/09/86		1,281.6			1,280.6
4/24/86		1,281.1	DRY		1,280.9
5/15/86		1,282.1			1,281.4
6/4/86		1,282.0			1,281.5
7/2/86		1,282.0			1,281.5
7/16/86	DRY	1,281.9			1,281.5
8/6/86		1,281.7	DRY		1,281.2
8/20/86		1,281.5			1,280.8
9/30/86	DRY	1,281.4	DRY		1,280.4
10/20/86	DRY	1,281.5	DRY		1,280.5
11/25/86		1,281.3			1,280.4
12/29/86	DRY	1,281.1	DRY		1,280.1
1/28/87	DRY	1,281.0	DRY		1,280.1
2/17/87		1,280.9			1,279.7
3/30/87	DRY	1,282.0	DRY		1,280.6
6/17/87	DRY	1,281.7	DRY	1,281.0	1,280.8
8/24/87		1,281.2		DRY	1,280.3
9/01/87		1,281.1			
12/22/87		1,280.8			1,279.6

VOGEL PAINT AND WAX COMPANY
GROUNDWATER LEVEL (FT ABOVE MSL)

DATE	MONITORING WELL NUMBER					
	TC 15 S	TC 15 M	TC 15 D	TC 16 S	TC 16 M	TC 16 D
6/29/84						
7/16/84						
7/26/84						
9/15/84	1,285.9	1,284.3	1,284.0	DRY	1,283.9	1,283.8
10/01/84	DRY	1,283.4	1,283.4	DRY	1,283.3	1,283.3
10/24/84	DRY	1,283.0	1,283.0	1,291.8	1,282.7	1,282.7
11/09/84	DRY	1,282.8	1,282.8	1,291.2	1,282.4	1,282.5
11/28/84	DRY	1,282.5	1,282.5	DRY	1,282.2	1,282.2
5/31/85	DRY	1,282.1	1,282.0	1,293.4	1,281.7	1,281.6
10/10/85			1,280.7			1,280.4
11/19/85			1,280.7			1,280.4
12/03/85			1,280.8			1,280.5
12/17/85	DRY		1,280.5	DRY		1,280.2
1/14/86			1,280.3			1,280.0
2/07/86			1,280.2	DRY		1,279.7
2/26/86			1,280.1			1,279.8
3/20/86			1,280.0			1,279.6
4/09/86			1,280.2			1,279.9
4/24/86	DRY		1,280.5	1,291.1		1,280.1
5/15/86			1,281.2			1,280.8
6/4/86			1,281.3			1,281.0
7/2/86			1,281.4			1,281.1
7/16/86			1,281.4			1,281.2
8/6/86	DRY		1,281.2	DRY		1,281.0
8/20/86			1,280.6			1,280.4
9/30/86	DRY		1,280.2	DRY		1,279.9
10/20/86	DRY		1,280.2	DRY		1,279.9
11/25/86			1,279.9			1,279.7
12/29/86	DRY		1,279.7	DRY		1,279.4
1/28/87	DRY		1,279.7	DRY		1,279.4
2/17/87			1,279.3			1,279.1
3/30/87	DRY		1,280.0	DRY		1,279.6
6/17/87	DRY	1,280.5	1,280.4	DRY	1,280.0	1,280.0
8/24/87		1,280.1	1,280.1		1,279.9	1,279.8
9/01/87						
12/22/87			1,279.0			1,278.7
4/5/88						1,278.3
7/19/88						1,277.7
10/11/88						1,277.6
1/17/89						1,277.3

VOGEL PAINT AND WAX COMPANY
GROUNDWATER LEVEL (FT ABOVE MSL)

DATE	MONITORING WELL NUMBER					
	TC 17 S	TC 17 M	TC 17 D	TC 20 S	TC 20 M	TC 20 D
6/29/84						
7/16/84						
7/26/84						
9/15/84	1,299.5	1,283.7	1,283.7	DRY	1,284.0	1,283.9
10/01/84	1,298.7	1,283.1	1,283.1	DRY	1,283.6	1,283.4
10/24/84	1,300.4	1,282.5	1,282.5	DRY	1,283.0	1,282.8
11/09/84	1,299.8	1,282.3	1,282.3	DRY	1,282.8	1,282.8
11/28/84	1,299.2	1,281.9	1,281.9	DRY	1,282.3	1,282.3
5/31/85	1,302.0	1,281.2	1,281.0	DRY	1,281.8	1,281.7
10/10/85			1,280.2			1,280.4
11/19/85			1,280.1			1,280.4
12/03/85			1,280.3			1,280.6
12/17/85	1,298.0		1,280.1			1,280.3
1/14/86			1,279.8			1,280.1
2/07/86	1,296.9		1,279.6			1,279.9
2/26/86			1,279.6			1,280.0
3/20/86			1,279.3			1,279.7
4/09/86			1,279.7			1,280.0
4/24/86	1,300.6		1,279.7			1,280.1
5/15/86			1,280.4			1,280.9
6/4/86			1,280.7			1,281.1
7/2/86			1,280.9			1,281.2
7/16/86			1,280.9			1,281.3
8/6/86	1,296.1		1,280.8	DRY		1,281.1
8/20/86			1,280.3			1,280.8
9/30/86	1,294.9		1,279.8	DRY		1,280.1
10/20/86	1,296.1		1,279.7	DRY		1,280.0
11/25/86			1,279.6			1,279.9
12/29/86	1,295.5		1,279.2	DRY		1,279.5
1/28/87	1,294.9		1,279.2	DRY		1,279.5
2/17/87			1,278.9			1,279.2
3/30/87	1,300.1		1,279.4	DRY		1,279.6
6/17/87	1,292.6	1,279.7	1,279.7	DRY	1,280.1	1,280.1
8/24/87		1,279.8	1,279.8		1,279.8	1,279.8
9/01/87						1,279.7
12/22/87	DRY		1,278.6			1,278.8
4/5/88						1,278.3
7/19/88						1,277.6
10/11/88						1,277.5
1/17/89						1,277.6

VOGEL PAINT AND WAX COMPANY
GROUNDWATER LEVEL (FT ABOVE MSL)

DATE	MONITORING WELL NUMBER					
	TC 22 S	TC 22 M	TC 22 D	TC 23 D	TC 24 D	TC 25 D
6/29/84						
7/16/84						
7/26/84						
9/15/84	1,299.8	1,284.2	1,284.1			
10/01/84	1,298.3	1,283.2	1,283.0			
10/24/84	1,299.3	1,282.5	1,282.4			
11/09/84	1,298.8	1,282.3	1,282.3			
11/28/84	1,298.1	1,281.9	1,281.9			
5/31/85	1,302.7	1,281.3	1,280.2			
10/10/85			1,280.1			
11/19/85			1,280.1			
12/03/85			1,280.4			
12/17/85	1,296.4		1,280.1			
1/14/86			1,279.8			
2/07/86	1,295.5		1,279.7			
2/26/86			1,279.8			
3/20/86			1,279.4			
4/09/86			1,279.7			
4/24/86			1,279.9			
5/15/86			1,280.5	*1,279.3	*1,296.6	
6/4/86			1,280.7	1,279.6	1,303.4	1,255.3
7/2/86			*1,291.0	1,279.8	1,307.1	1,258.6
7/16/86			1,281.0	1,280.2	1,308.3	1,261.9
8/6/86	1,295.8		1,280.8	1,280.1	1,308.7	1,261.7
8/20/86			1,280.6	1,279.8	1,308.7	1,265.8
9/30/86	1,293.2		1,279.8	*1,289.0	1,307.5	1,265.9
10/20/86	1,294.1		1,279.8	1,278.9	1,307.9	1,265.3
11/25/86			1,279.6	1,278.6	1,308.2	1,269.8
12/29/86	1,294.7		1,279.2	1,278.3	1,307.0	1,259.3
1/28/87	1,294.1		1,279.2	1,278.3	1,307.6	1,263.6
2/17/87			1,278.9	1,278.0	1,307.6	1,265.8
3/30/87	1,297.4		1,279.3	1,278.2	1,307.0	1,260.4
6/17/87	DRY	1,279.7	1,279.7	1,278.8	1,307.1	1,257.1
8/24/87		1,279.7	1,279.7	1,279.0	1,308.6	1,270.1
9/01/87				1,278.9	1,308.5	1,271.0
12/22/87	DRY		1,278.5	1,277.6	1,299.3	1,252.6
4/5/88				1,277.0	1,306.5	1,267.0
7/19/88				1,276.5	1,305.3	1,270.0
10/11/88				1,276.3	1,304.5	1,266.4
1/17/89				1,276.3	1,303.7	1,268.3

VOGEL PAINT AND WAX COMPANY
GROUNDWATER LEVEL (FT ABOVE MSL)

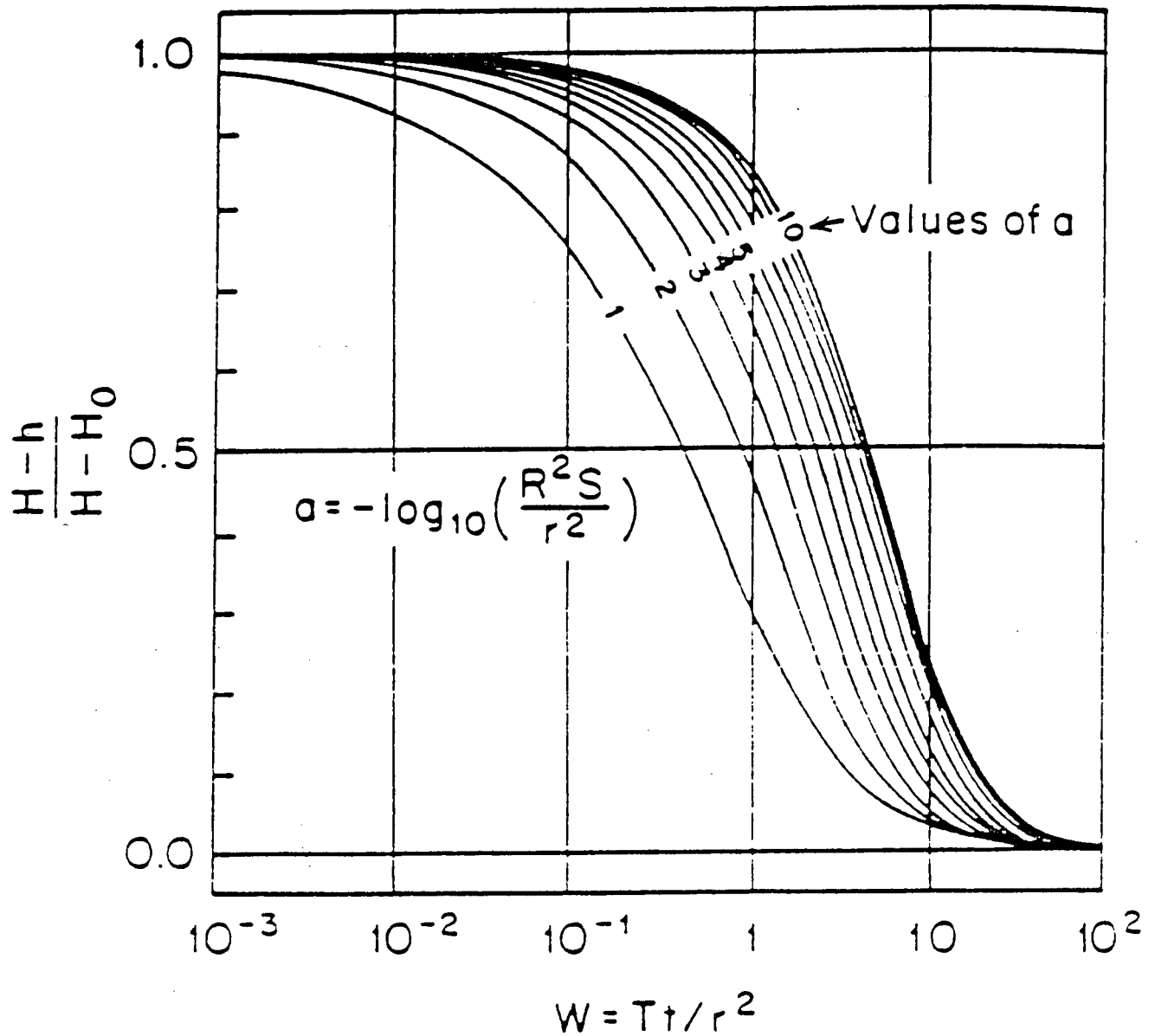
DATE	TC 50	MONITORING WELL NUMBER	
		BOS	NISS
6/29/84			
7/16/84			
7/26/84			
9/15/84			
10/01/84		1,289.0	
10/24/84		1,289.8	
11/09/84		1,289.5	
11/28/84		1,289.2	
5/31/85	1,282.6		
10/10/85	1,280.6	1,287.6	
11/19/85	1,280.5	1,287.7	
12/03/85	1,280.7	1,287.5	
12/17/85	1,280.0	1,287.5	
1/14/86	1,280.2	1,287.4	
2/07/86	1,280.0	1,287.5	
2/26/86	1,280.0		
3/20/86	1,279.8	1,286.8	
4/09/86			
4/24/86	1,280.2	1,287.1	
5/15/86	1,281.1	1,288.2	
6/4/86	1,281.2	1,287.7	
7/2/86	1,281.3	1,287.9	
7/16/86	1,281.3	1,287.4	
8/6/86	1,281.1	1,287.5	
8/20/86	1,280.6	1,287.3	1,283.5
9/30/86	1,280.1	1,286.4	
10/20/86	1,280.1	1,287.3	
11/25/86	1,279.7	1,286.4	
12/29/86	1,279.6	1,287.1	
1/28/87	1,279.6	1,287.1	
2/17/87	1,279.2	1,286.8	
3/30/87	1,279.7	1,288.6	
6/17/87	1,280.2	1,287.9	1,284.3
8/24/87	1,279.9	1,287.2	1,283.5
9/01/87		1,286.1	1,283.5
12/22/87	1,278.9	1,286.0	1,283.0
4/5/88		1,287.1	1,283.1
7/19/88		1,286.6	1,282.5
10/11/88		1,285.6	1,282.5
1/17/89		1,285.4	1,282.5

VOGEL PAINT AND WAX COMPANY
GROUNDWATER LEVEL (FT ABOVE MSL)

DATE	MONITORING WELL NUMBER				
	MW 1	MW 2	MW 3	MW 4	MW 5
6/29/84					
7/16/84	1,285.9	1,284.5	1,282.6	1,285.3	1,287.0
7/26/84	1,285.6	1,284.3	1,282.6	1,284.4	1,286.1
8/13/84	1,284.9	1,284.9	1,281.8	1,285.7	1,285.4
9/15/84	1,284.1	1,284.8	1,281.4	1,284.8	1,284.6
10/01/84	1,283.9	1,283.0	1,281.3	1,282.7	1,282.2
10/24/84	1,284.1		1,282.0		1,281.2
11/09/84	1,283.9	1,282.4	1,281.6	1,281.8	1,281.0
11/28/84	1,283.7	1,282.2	1,281.6	1,281.6	1,280.6
5/31/85	1,283.4	1,281.9	1,279.2	1,280.9	*1,289.4
10/10/85	1,282.5	1,280.3	1,278.8	1,279.8	1,279.0
11/19/85	1,282.2	1,280.5	1,278.7	1,280.4	1,278.9
12/3/85	1,282.2	1,280.6	1,278.7	1,280.1	1,279.0
12/17/85	1,282.1	1,280.4	1,278.7	1,279.8	1,278.8
1/14/86	1,282.0	1,280.1	1,278.6	1,279.5	1,278.6
2/07/86	1,282.0	1,279.3	1,278.5	1,278.4	1,278.4
2/26/86	1,281.9	1,279.8	1,278.5	1,279.1	1,278.4
3/20/86	1,282.7	1,278.3	1,279.0	1,280.7	1,278.0
4/09/86	1,282.3	1,280.2	1,279.2	1,279.5	1,278.1
4/24/86	1,282.6	1,280.3	1,279.3	1,279.5	1,278.2
5/15/86	1,282.8	1,281.1	1,279.2	1,280.2	1,278.8
6/4/86	1,282.6	1,281.1	1,279.1	1,280.4	1,279.1
7/2/86	1,282.7	1,281.2	1,279.1	1,280.6	1,279.5
7/16/86	1,282.6	1,281.2	1,279.0	1,280.7	1,279.8
8/6/86	1,282.4	1,280.9	1,278.9	1,280.5	1,279.7
8/20/86	1,282.2	1,280.4	1,278.8	1,280.0	1,279.5
9/30/86	1,282.1	1,280.2	1,278.9	1,279.5	1,278.7
10/20/86	1,282.2	1,280.1	1,279.1	1,279.5	1,278.5
11/25/86	1,282.1	1,279.8	1,279.0	1,279.2	1,278.1
12/29/86	1,281.8	1,279.7	1,278.9	1,278.9	1,277.8
1/28/87	1,281.7	1,279.7	1,278.9	1,279.0	1,277.8
2/17/87	1,281.7	1,279.4	1,278.8	1,278.5	1,277.5
3/30/87	1,282.8	1,280.0	1,279.8	1,279.0	1,277.5
6/17/87	1,282.4	1,280.3	1,279.3	1,279.4	1,278.3
8/24/87	1,282.0	1,279.9	1,279.0	1,279.4	1,278.7
12/22/87	1,281.6	1,279.0	1,279.0	1,278.3	1,277.3
4/5/88					1,276.6
7/19/88		1,278.1		1,277.2	1,276.2
10/11/88		1,278.2		1,277.1	1,275.9
1/17/89		1,278.0		1,277.0	1,275.8

AMENDMENTS TO APPENDIX F

SLUG TEST DATA



Type Curves for a piezometer test in a confined aquifer
(after Papadopoulos, et al., 1973)

VOGEL PAINT & WAX COMPANY
ETHYLBENZENE CONCENTRATION
(PPB)

DATE ----	MONITORING WELL NUMBER				
	TC 1 S -----	TC 1 M -----	TC 1 D -----	TC 2 S -----	TC 2 D -----
7/03/84	<1	<1	450	11,000	11,000
10/04/84			9,100		2,400
5/31/85			<1		140
10/10/85			350		4,900
2/26/86			19,000		16,000
5/15/86			14,000		8,000
8/20/86			2,700		4,000
11/25/86			6,000		<30
2/17/87			6,600		<30
6/15/87			<20		<20
12/17/87			*		
4/07/88			2,800		
7/20/88			1		
8/24/88			550		
10/12/88			1,100		
01/18/89			2,400		

DATE ----	MONITORING WELL NUMBER					
	TC 3 S -----	TC 3 D -----	TC 4 S -----	TC 4 D -----	TC 5 S -----	TC 5 D -----
7/03/84	12,000	12,000	12,000	10,000	1.0	12
10/04/84		14,000		15,000		23
5/31/85		12,000		30,000		310
10/10/85		270		310		<30
2/26/86		22,000		14,000		<1
5/15/86		18,000		6,700		<1
8/20/86		8,100		4,200		<1
11/25/86		4,900		6,600		15
2/17/87		1,300		830		<1
6/15/87		1,200		5,200		
9/02/87		<10		<10		
12/17/87				13,000		
4/07/88				3,900		
7/20/88				11,000		
10/12/88				14,000		
01/18/89				600		

VOGEL PAINT & WAX COMPANY
ETHYLBENZENE CONCENTRATION
(PPB)

DATE ----	MONITORING WELL NUMBER				
	TC 6 S -----	TC 6 D -----	TC 7 -----	TC 8 D -----	TC 9 -----
7/03/84	46	5.8	12		19
10/04/84	4.0	2.4	16	8,300	1,700
5/31/85		4.9	<1	550	<1
10/10/85		58,000	<30	1,700	<30
2/26/86		13,000	<1	3,300	5.7
5/15/86		200	<1	1,700	<1
8/20/86		11,000	<1	1,900	<1
11/25/86		<30	<1	27	180
2/17/87		<1	<1	850	<1
6/15/87		69	2	290	46
9/02/87		<10			19
12/17/87		26			5
4/07/88		1,600			10
7/19/88					<1
7/21/88		8,700			
8/24/88		9,100			
10/11/88					<1
10/12/88		8,900			
01/18/89		8,000			<1

DATE ----	MONITORING WELL NUMBER					
	TC 10 -----	TC 11 D -----	TC 12 D -----	TC 13 D -----	TC 14A -----	TC 15 D -----
7/03/84	19					
10/04/84	5.3	1.0	<1	620	12,000	13,000
5/31/85	<1	6.4	4.3	1.1	12,000	13,000
10/10/85	<30	15,000	<30	<30	3,500	3,300
2/26/86	1.0	13,000	5.6	<1	11,000	24,000
5/15/86	<1	1,300	<1	<1	4,900	3,500
8/20/86	<1	12,000	<1	<1	4,700	7,600
11/25/86	<1	2,000	<1	<1	5,200	440
2/17/87	<1	2,500	<1	<1	3,900	1,000
6/15/87	2	<1	7	20	2,100	2,300
9/02/87		<10				
12/17/87		<1				
4/07/88		<1				
7/21/88		5,600				
7/21/88		6,100				
10/12/88		5,000				
10/12/88 (dup)		5,000				
01/18/89		290				
01/18/89 (dup)		550				

VOGEL PAINT & WAX COMPANY
ETHYLBENZENE CONCENTRATION
(PPB)

DATE -----	MONITORING WELL NUMBER					
	TC 16 D -----	TC 17 S -----	TC 17 D -----	TC 20 D -----	TC 22 S -----	TC 22 D -----
7/03/84						
10/04/84	14,000	2.8	7,200	1	<1	<1
5/31/85	8,500		3,200	10		12
10/10/85	4,100		7,100	<30		<30
2/26/86	32,000		17,000	3.4		<1
5/15/86	30,000		11,000	<1		<1
8/20/86	8,800		9,400	<1		<1
11/25/86	2,900		7,800	<1		<1
2/17/87	280		13,000	<1		<1
6/15/87	60		1,300	<1		<1
9/02/87				<1		
12/17/87	1			<1		
4/07/88	7			<1		
7/19/88				<1		
7/22/88	<1					
7/21/88 (dup)	2					
10/11/88				<1		
10/12/88	890					
10/12/88 (dup)	1,000					
01/18/89	360			<1		
01/18/89 (dup)	320					

DATE -----	MONITORING WELL NUMBER					BOS ----	NISS -----
	TC23 -----	TC24 -----	TC25 -----	TC 50 -----			
7/03/84							
10/04/84						<1	
5/31/85						1.3	
10/10/85						<30	
2/26/86				25,000		5.8	<1
5/15/86	<1	<1		18,000		<1	<1
8/20/86	1.3	<1	<1	6,200		2.1	<0.1
11/25/86	<1	<1	6.0	<30		<1	<1
2/17/87	<1	<1	<1	4,200		<1	<1
6/15/87	<1	<1	<1	770		<1	<1
9/02/87	<1	<1	<1			<1	<1
12/17/87	<1	<1	<1			<1	<1
4/05/88	<1	<1	<1			<1	<1
7/19/88	<1	<1	<1			<1	<1
10/11/88	<1	<1	<1			<1	<1
01/17/89	<1	<1	<1			<1	<1

VOGEL PAINT & WAX COMPANY
ETHYLBENZENE CONCENTRATION
(PPB)

DATE -----	MONITORING WELL NUMBER				
	MW 1 -----	MW 2 -----	MW 3 -----	MW 4 -----	MW 5 -----
3/26/84		<1,000,000		<1,000,000	
4/02/84	7	41,000	<1	<250	
7/03/84					
10/04/84	<1		<1		
5/31/85	<1	32,000	<1	19,000	19
10/10/85	<30	67,000	<30	7,000	<30
2/26/86	<1	18,000	<1	26,000	1.9
5/15/86	<1	10,000	<1	12,000	<1
8/20/86	<1	9,900	<1	11,000	<1
11/25/86	<1	2,100	76	5,000	<1
2/17/87	<1	5,400	<1	4,100	<1
6/15/87	<1	4,300	5	3,600	<1
9/02/87		<10		250	<1
12/17/87					3
4/07/88					<1
7/19/88					<1
10/11/88					<1
01/17/89					<1

DATE -----	MONITORING WELL NUMBER				
	SWS ----	TRIP BLANK -----	EQUIP BLANK1 -----	EQUIP BLANK2 -----	TC-26 -----
7/03/84					
10/04/84					
5/31/85	<1	6.5			
10/10/85	<30				
2/26/86	3.6				
5/15/86	<1	<1			
8/20/86	<1	2.5			
11/25/86	<1				
2/17/87	<1				
6/15/87	21	<1			
9/02/87	<1	<1	2	<1	
12/17/87	<1	<1	<1	<1	
4/07/88	<1	<1	6		
7/09/88		<1			
7/19/88	<1		<1		
7/21/88				8	
8/24/88					<1
8/24/88 (dup)					<1
10/03/88		<1			
10/11/88	<1		3		<1
10/12/88				<1	
01/18/89	<1	<1	7	5	<1

VOGEL PAINT & WAX COMPANY
METHYL ETHYL KETONE CONCENTRATION
(PPB)

DATE -----	MONITORING WELL NUMBER				
	TC 1 S -----	TC 1 M -----	TC 1 D -----	TC 2 S -----	TC 2 D -----
7/03/84	<5	13	72	1,100	860
10/04/84			9,300		700
5/31/85			<5		6.8
10/10/85			1,000		190
2/26/86			8,200		220
5/15/86			12,000		940
8/20/86			3,400		210
11/25/86			<1,400		<1,400
2/17/87			49		<1,400
6/15/87			<200		<200
12/17/87			30		
4/07/88			54		
7/20/88			<20		
8/24/88			580		
10/12/88			120		
01/18/89			16		

DATE -----	MONITORING WELL NUMBER				TC 5 S -----	TC 5 D -----
	TC 3 S -----	TC 3 D -----	TC 4 S -----	TC 4 D -----		
7/03/84	3,500	5,600	5,100	6,300	<5	340
10/04/84		1,400		890		23
5/31/85		640		1,400		14
10/10/85		270		300		80
2/26/86		2,400		7,200		<10
5/15/86		490		1,600		<5
8/20/86		720		2,400		65
11/25/86		<1,400		7,200		<5
2/17/87		<1,400		2,100		<5
6/15/87		990		6,800		<5
9/02/87		180		180		
12/17/87				13,000		
4/07/88				3,300		
7/20/88				1,900		
10/12/88				1,400		
01/18/89				600		

VOGEL PAINT & WAX COMPANY
METHYL ETHYL KETONE CONCENTRATION
(PPB)

DATE -----	MONITORING WELL NUMBER				
	TC 6 S -----	TC 6 D -----	TC 7 -----	TC 8 D -----	TC 9 -----
7/03/84	16	9	11		46
10/04/84	19	110	15	<5	3,800
5/31/85		<5	6	1,100	<5
10/10/85		710	<15	1,200	<15
2/26/86		52	<10	3,400	<10
5/15/86		650	<5	180	5.4
8/20/86		120	<5	1,500	<5
11/25/86		<1,400	<5	2,500	<5
2/17/87		<5	<5	<1,400	<5
6/15/87		<5	<5	1,200	<5
9/02/87		40			<7
12/17/87		43			32
4/07/88		15			42
7/19/88					<20
7/21/88		220			
8/24/88		350			
10/11/88					<15
10/12/88		970			
01/18/89		1,100			<15

MONITORING WELL NUMBER						
DATE	TC 10	TC 11 D	TC 12 D	TC 13 D	TC 14A	TC 15 D
----	-----	-----	-----	-----	-----	-----
7/03/84	45					
10/04/84	450	12	9.7	1,100	18,000	1,800
5/31/85	14	30	<5	5.6	39,000	790
10/10/85	<15	15,000	57	<15	25,000	1,400
2/26/86	<10	23,000	<10	<10	33,000	6,300
5/15/86	<5	2,100	<5	<5	32,000	2,300
8/20/86	<5	<5	<5	14	13,000	<5
11/25/86	<5	3,300	<5	<5	9,500	14,000
2/17/87	<5	3,700	10	<5	4,800	<1,400
6/15/87	<5	<5	<5	<5	3,400	2,900
9/02/87		780				
12/17/87		<15				
4/07/88		320				
7/21/88		5,400				
7/21/88 (dup)		5,300				
10/12/88		6,500				
10/12/88 (dup)		6,200				
01/18/89		740				
01/18/89 (dup)		740				

VOGEL PAINT & WAX COMPANY
METHYL ETHYL KETONE CONCENTRATION
(PPB)

DATE -----	MONITORING WELL NUMBER					
	TC 16 D -----	TC 17 S -----	TC 17 D -----	TC 20 D -----	TC 22 S -----	TC 22 D -----
7/03/84						
10/04/84	4,300	89	550	15	<5	7.4
5/31/85	<5		250	9.3		9.8
10/10/85	31		21	<15		<15
2/26/86	120,000		170	<10		<10
5/15/86	580		38	<5		<5
8/20/86	1,200		440	<5		<5
11/25/86	<1,400		<1,400	<5		<5
2/17/87	<1,400		<1,400	<5		<5
6/15/87	310		<5	<5		<5
9/02/87				<7		
12/17/87	<15			<15		
4/07/88	56			<15		
7/19/88				<20		
7/22/88	24					
7/21/88 (dup)	<20					
10/11/88				<15		
10/12/88	57					
10/12/88 (dup)	230					
01/18/89	93			<15		
01/18/89 (dup)	87					

DATE -----	MONITORING WELL NUMBER					BOS ----	NIESS -----
	TC23 -----	TC24 -----	TC25 -----	TC 50 -----			
7/03/84							
10/04/84						<5	
5/31/85				190		<5	
10/10/85				21		<15	
2/26/86				540		<5	<5
5/15/86	<5	<5		410		<5	<5
8/20/86	<5	<5	<5.2	6.2		<5	<5
11/25/86	<5	<5	9.0	<1,400		<5	<5
2/17/87	<5	<5	5.9	<1,400		<5	<5
6/15/87	<5	<5	<5	1,000		<5	<5
9/02/87	<7	<7	66			<7	<7
12/16/87	<15	<15	<15			<15	<15
4/05/88	<15	<15	<15			<15	<15
7/19/88	<20	<20	<20			<20	<20
10/11/88	<15	<15	<15			<15	<15
01/17/89	<15	<15	<15			<15	<15

VOGEL PAINT & WAX COMPANY
METHYL ETHYL KETONE CONCENTRATION
(PPB)

DATE -----	MONITORING WELL NUMBER				
	MW 1 -----	MW 2 -----	MW 3 -----	MW 4 -----	MW 5 -----
7/03/84					
10/04/84	6.4		5.4		
5/31/85	<5	37,000	<5	280	<5
10/10/85	17	48,000	<15	75	<15
2/26/86	<10	34,000	<10	680	<10
5/15/86	<5	20,000	<5	550	<5
8/20/86	13	20,000	<5	80	<5
11/25/86	<5	5,200	<5	<1,400	<5
2/17/87	16	8,600	<5	<1,400	<5
6/15/87	<5	2,400	<5	230	<5
9/02/87		840		<110	<7
12/16/87					<15
4/07/88					<15
7/19/88					<20
10/11/88					<15
01/17/89					<15

DATE -----	MONITORING WELL NUMBER				
	SWS ---	TRIP BLANK -----	EQUIP BLANK1 -----	EQUIP BLANK2 -----	TC-26 -----
7/03/84					
10/04/84					
5/31/85	<5	1,300			
10/10/85	<15				
2/26/86	<10				
5/15/86	<5	<5			
8/20/86	37	17			
11/25/86	<5				
2/17/87	<5				
6/15/87	<5	<5			
9/02/87	<7	<7	21	22	
12/17/87	<15	<15	<15	<15	
4/07/88	<15	<15	74		
7/09/88		<20			
7/19/88	<20		<20		
7/21/88					
8/24/88					<15
8/24/88 (dup)					<15
10/03/88		<15			
10/11/88	<15		15		<15
10/12/88				<15	
01/18/89	<15	<15	48	<15	<15

MAXIMUM MEK CONCENTRATION (PPB) = 120,000

VOGEL PAINT & WAX COMPANY
TOLUENE CONCENTRATION
(PPB)

DATE -----	MONITORING WELL NUMBER				
	TC 1 S -----	TC 1 M -----	TC 1 D -----	TC 2 S -----	TC 2 D -----
7/03/84	<1	2.0	420	14,000	16,000
10/04/84			4,900		3,000
5/31/85			<1		120
10/10/85			1,200		12,000
2/26/86			4,800		27,000
5/15/86			2,400		9,400
8/20/86			180		10,000
11/25/86			30		18,000
2/17/87			31		19,000
6/15/87			530		320
12/17/87			120		
4/07/88			450		
7/20/88			<1		
8/24/88			300		
10/12/88			400		
01/18/89			1,000		

DATE -----	MONITORING WELL NUMBER					
	TC 3 S -----	TC 3 D -----	TC 4 S -----	TC 4 D -----	TC 5 S -----	TC 5 D -----
7/03/84	14,000	13,000	14,000	9,400	1.2	14
10/04/84		13,000		16,000		20
5/31/85		12,000		20,000		1,200
10/10/85		24,000		1,800		<50
2/26/86		37,000		8,500		<1
5/15/86		16,000		5,400		<1
8/20/86		13,000		3,400		3.6
11/25/86		28,000		7,400		3.0
2/17/87		2,200		11,000		3.5
6/15/87		2,100		18,000		
9/02/87		1,100		<10		
12/17/87				9,500		
4/07/88				2,500		
7/20/88				8,200		
10/12/88				9,300		
01/18/89				460		

VOGEL PAINT & WAX COMPANY
TOLUENE CONCENTRATION
(PPB)

DATE ----	MONITORING WELL NUMBER				
	TC 6 S -----	TC 6 D -----	TC 7 -----	TC 8 D -----	TC 9 -----
7/03/84	70	12	16		33
10/04/84	3.4	3,700	22	4,900	300
5/31/85		11	<1	*680	<1
10/10/85		5,100	<50	2,500	<50
2/26/86		7,300	1.8	4,200	2.1
5/15/86		2,900	<1	2,800	<1
8/20/86		6,800	1.1	2,700	1.2
11/25/86		<20	<1	3,200	<1
2/17/87		4,000	4.2	5,000	9.9
6/15/87		120	3	3,400	3
9/02/87		<10			<1
12/17/87		1,800			<1
4/07/88		540			4
7/21/88		2,800			
7/19/88					<1
8/24/88		2,400			
10/11/88		2,600			<1
01/18/89		2,700			<1

DATE ----	MONITORING WELL NUMBER					
	TC 10 -----	TC 11 D -----	TC 12 D -----	TC 13 D -----	TC 14A -----	TC 15 D -----
7/03/84	11					
10/04/84	4.1	1.5	<1	1,100	1,100	10,000
5/31/85	<1	2.0	18	1.1	1,600	15,000
10/10/85	<50	3,200	<50	<50	1,100	3,700
2/26/86	<1	2,900	<1	<1	2,000	14,000
5/15/86	<1	150	<1	<1	810	1,000
8/20/86	<1	3,900	<1	<1	930	8,300
11/25/86	<1	<30	<1	<1	940	11,000
2/17/87	<1	4,200	1.1	4.6	1,500	750
6/15/87	2	43	4	5	1,600	1,200
9/02/87		8,100				
12/17/87		<1				
4/07/88		*				
7/21/88		4,500				
10/12/88		3,400				
10/12/88 (dup)		3,400				
01/18/89		240				
01/18/89 (dup)		270				

* Not reported because the duplicate analysis relative difference was greater than 25%.

VOGEL PAINT & WAX COMPANY
TOLUENE CONCENTRATION
(PPB)

DATE -----	MONITORING WELL NUMBER					
	TC 16 D -----	TC 17 S -----	TC 17 D -----	TC 20 D -----	TC 22 S -----	TC 22 D -----
7/03/84						
10/04/84	11,000	2.9	6,200	1.7	<1	<1
5/31/85	8,600		3,900	24		11
10/10/85	1,100		4,000	<50		<50
2/26/86	27,000		3,200	<1		<1
5/15/86	30,000		1,600	<1		<1
8/20/86	7,300		1,500	<1		<1
11/25/86	6,800		340	<1		<1
2/17/87	1,800		2,200	<1		1.2
6/15/87	810		3,200	5		<1
9/02/87				<1		
12/17/87	36			<1		
4/07/88	51			<1		
7/22/88	1					
7/19/88				<1		
10/11/88				<1		
10/12/88	100					
10/12/88 (dup)	120					
01/18/89	31			<1		
01/18/89 (dup)	34					

DATE -----	MONITORING WELL NUMBER					
	TC23 -----	TC24 -----	TC25 -----	TC 50 -----	BOS ---	NIESS -----
7/03/84						
10/04/84						
5/31/85					<1	
10/10/85					<1	
2/26/86					<50	
5/15/86	<1	<1		8,200	<1	<1
8/20/86	<1	<1	<1	9,100	<1	<1
11/25/86	<1	<1	16	1,000	<1	<1
2/17/87	<1	1.5	9.5	13,000	<1	<1
6/15/87	12	<1	10	14,000	<1	1.4
9/02/87	<1	<1	4	8,700	2	<1
12/16/87	<1	<1	<1		2	1
4/05/88	<1	<1	<1		<1	
7/19/88	<1	<1	<1		<1	<1
10/11/88	<1	<1	<1		<1	<1
01/17/89	<1	<1	<1		<1	<1

VOGEL PAINT & WAX COMPANY
TOLUENE CONCENTRATION
(PPB)

DATE ----	MONITORING WELL NUMBER				
	MW 1 -----	MW 2 -----	MW 3 -----	MW 4 -----	MW 5 -----
7/03/84					
10/04/84	<1		<1		
5/31/85	<1	18,000	<1	12,000	1.3
10/10/85	<50	28,000	<50	8,500	<50
2/26/86	<1	4,400	<1	9,600	<1
5/15/86	<1	3,000	<1	9,400	<1
8/20/86	<1	3,100	<1	9,000	<1
11/25/86	<1	720	<1	11,000	<1
2/17/87	6.8	5,000	1.6	11,000	1.5
6/15/87	<1	5,800	<1	16,000	1
9/02/87		7,100		80	<1
12/16/87					<1
4/07/88					<1
7/19/88					<1
10/11/88					<1
01/17/89					<1

DATE ----	MONITORING WELL NUMBER				
	SWS ----	TRIP BLANK -----	EQUIP BLANK1 -----	EQUIP BLANK2 -----	TC-26 -----
7/03/84					
10/04/84					
5/31/85	<1	19			
10/10/85	<50				
2/26/86	1.4				
5/15/86	<1	1.3			
8/20/86	<1	1.5			
11/25/86	<1				
2/17/87	3.7				
6/15/87	2	26			
9/02/87	<1	3	17	7	
12/17/87	<1	<1	<1	<1	
4/07/88	<1	<1	3		
7/19/88	<1	<1	<1	3	
10/03/88		<1			
10/11/88			3		<1
10/12/88				3	
01/18/89	<1	<1	19	24	<1

MAXIMUM TOLUENE CONCENTRATION (PPB) = 37,000

VOGEL PAINT & WAX COMPANY
XYLENES CONCENTRATION
(PPB)

DATE -----	MONITORING WELL NUMBER				
	TC 1 S -----	TC 1 M -----	TC 1 D -----	TC 2 S -----	TC 2 D -----
7/03/84	<1	52	2,900	49,000	46,000
10/04/84			34,000		8,200
5/31/85			<1		540
10/10/85			20,000		23,000
2/26/86			63,000		72,000
5/15/86			54,000		31,000
8/20/86			16,000		38,000
11/25/86			290		75,000
2/17/87			9,400		79,000
6/15/87			11,000		1,800
12/17/87			1,800		
4/07/88			7,200		
7/20/88			44		
8/24/88			4,900		
10/12/88			8,000		
01/18/89			13,000		

DATE -----	MONITORING WELL NUMBER					
	TC 3 S -----	TC 3 D -----	TC 4 S -----	TC 4 D -----	TC 5 S -----	TC 5 D -----
7/03/84	50,000	46,000	52,000	35,000	56	100
10/04/84		47,000		59,000		83
5/31/85		48,000		89,000		790
10/10/85		6,000		2,600		<100
2/26/86		100,000		39,000		1.8
5/15/86		63,000		23,000		<1
8/20/86		38,000		15,000		100
11/25/86		88,000		33,000		<1
2/17/87		78,000		57,000		<1
6/15/87		21,000		94,000		
9/02/87		14,000		320		
12/17/87				44,000		
4/07/88				15,000		
7/20/88				38,000		
10/12/88				45,000		
01/18/89				1,800		

VOGEL PAINT & WAX COMPANY
XYLENES CONCENTRATION
(PPB)

DATE -----	MONITORING WELL NUMBER				
	TC 6 S -----	TC 6 D -----	TC 7 -----	TC 8 D -----	TC 9 -----
7/03/84	180	3,200	54		140
10/04/84	15	39,000	320	30,000	5,300
5/31/85		51	<1	2,200	3.5
10/10/85		28,000	<100	6,200	<100
2/26/86		51,000	4.1	12,000	210
5/15/86		26,000	<1	8,900	1.2
8/20/86		51,000	<1	7,600	3.0
11/25/86		10,000	<1	4,000	<1
2/17/87		50,000	<1	16,000	<1
6/15/87		500	48	11,000	34
9/02/87		20			<1
12/17/87		28,000			21
4/07/88		6,300			1,100
7/19/88					<1
7/21/88		32,000			
8/24/88		21,000			
10/11/88					<1
10/12/88		24,000			
01/18/89		26,000			<1

DATE -----	MONITORING WELL NUMBER					
	TC 10 -----	TC 11 D -----	TC 12 D -----	TC 13 D -----	TC 14A -----	TC 15 D -----
7/03/84	60					
10/04/84	94	15	<1	11,000	34,000	63,000
5/31/85	<1	18	370	<1	35,000	60,000
10/10/85	<100	48,000	100	<100	11,000	19,000
2/26/86	5.3	39,000	140	1.8	31,000	25,000
5/15/86	<1	2,900	<1	<1	16,000	14,000
8/20/86	2.4	42,000	3.4	<1	12,000	34,000
11/25/86	<1	6,600	<1	<1	20,000	6,700
2/17/87	<1	26,000	<1	3.2	31,000	16,000
6/15/87	58	450	26	<1	28,000	21,000
9/02/87		130,000				
12/17/87		1				
4/07/88		350				
7/21/88		20,000				
7/21/88 (dup)		21,000				
10/12/88		17,000				
10/12/88 (dup)		16,000				
01/18/89		1,900				
01/18/89 (dup)		2,000				

VOGEL PAINT & WAX COMPANY
XYLENES CONCENTRATION
(PPB)

DATE ----	MONITORING WELL NUMBER					
	TC 16 D -----	TC 17 S -----	TC 17 D -----	TC 20 D -----	TC 22 S -----	TC 22 D -----
7/03/84						
10/04/84	52,000	19	20,000	11	<1	<1
5/31/85	37,000		17,000	24		69
10/10/85	2,700		33,000	<100		<100
2/26/86	1,400		12,000	8.8		71
5/15/86	140,000		8,000	<1		<1
8/20/86	36,000		14,000	2.6		2.3
11/25/86	8,100		1,800	<1		<1
2/17/87	11,000		50,000	<1		<1
6/15/87	7,100		91,000	23		16
9/02/87				<1		
12/17/87	2,400			<1		
4/07/88	*			<1		
7/19/88				<1		
7/22/88	440			<1		
7/21/88 (dup)	400					
10/11/88				<1		
10/12/88	2,200					
10/12/88 (dup)	2,600					
01/18/89	700					
01/18/89 (dup)	670			<1		

* Not reported because duplicate analysis relative difference was greater than 25%.

DATE ----	MONITORING WELL NUMBER					BOS ---	NIESS -----
	TC23 -----	TC24 -----	TC25 -----	TC 50 -----			
7/03/84							
10/04/84							
5/31/85						2.0	
10/10/85						1.2	
2/26/86						150	
5/15/86	<1	<1		140,000		<1	<1
8/20/86	2.7	<1	10	80,000		<1	<1
11/25/86	<1	<1	71	47,000		<1	<1
2/17/87	<1	<1	44	61,000		<1	<1
6/15/87	<1	<1	<1	72,000		<1	<1
9/02/87	<1	4	3	74,000		29	<1
12/16/87	<1	<1	<1			<1	<1
4/05/88	<1	<1	<1			<1	<1
7/19/88	<1	<1	<1			<1	<1
10/11/88	<1	<1	<1			<1	<1
01/17/89	<1	<1	<1			<1	<1

VOGEL PAINT & WAX COMPANY
XYLENES CONCENTRATION
(PPB)

DATE ----	MONITORING WELL NUMBER				
	MW 1 ----	MW 2 ----	MW 3 ----	MW 4 ----	MW 5 ----
7/03/84					
10/04/84	<1		<1		
5/31/85	<1	130,000	1.2	62,000	28
10/10/85	<100	260,000	<100	30,000	<100
2/26/86	<1	61,000	2.2	120,000	7.5
5/15/86	<1	38,000	<1	100,000	<1
0	<1	36,000	<1	50,000	<1
11/25/86	<1	16,000	<1	83,000	<1
2/17/87	11	86,000	<1	100,000	<1
6/15/87	11	99,000	7	110,000	8
9/02/76		130,000		670	<1
12/16/87					18
4/07/88					<1
7/19/88					<1
10/11/88					<1
01/17/89					<1

DATE ----	MONITORING WELL NUMBER				
	SWS ----	TRIP BLANK -----	EQUIP BLANK1 -----	EQUIP BLANK2 -----	TC-26 -----
7/03/84					
10/04/84					
5/31/85	<1	120			
10/10/85	<100				
2/26/86	13				
5/15/86	<1	1.3			
8/20/86	<1	6.8			
11/25/86	<1				
2/17/87	<1				
6/15/87	26	11			
9/02/87	4	<1	48	<1	
12/17/87	2	<1	1	<1	
4/07/88	<1	<1	120		
7/09/88		<1			
7/19/88	<1		<1		
7/21/88				40	
8/24/88					<1
8/24/88 (dup)					
10/03/88		<1			
10/03/88		1			
10/11/88	<1		14		<1
10/12/88				5	
01/18/89	<1	<1	31	17	<1

VOGEL PAINT & WAX COMPANY
TOTAL ORGANIC CARBON
(POM)

DATE	MONITORING WELL NUMBER				
	TC 1 S	TC 1 M	TC 1 D	TC 2 S	TC 2 D
7/23/84	19	15	40	48	76
10/24/84			92		68
5/31/85			44		4
10/10/85			140		81
2/26/86			71		19
5/15/86			110		7
8/20/86			44		12
11/25/86			1		12
2/17/87			22		9

DATE	MONITORING WELL NUMBER					
	TC 3 S	TC 3 D	TC 4 S	TC 4 D	TC 5 S	TC 5 D
7/23/84	120	160	190	140	28	52
10/24/84		26		70		8
5/31/85		100		270		170
10/10/85		100		52		18
2/26/86		21		47		6
5/15/86		45		17		7
8/20/86		23		20		13
11/25/86		19		22		39
2/17/87		17		25		11

DATE	MONITORING WELL NUMBER				
	TC 6 S	TC 6 D	TC 7	TC 8 D	TC 9
7/23/84	33	60	27		72
10/24/84	22	27	57	32	101
5/31/85		4	72	170	140
10/10/85		38	31	79	32
2/26/86		7	5	39	30
5/15/86		5	5	29	13
8/20/86		6	4	22	11
11/25/86		4	5	20	1
2/17/87		3	3	18	17

VOGEL PAINT & WAX COMPANY
TOTAL ORGANIC CARBON
(PPM)

DATE	MONITORING WELL NUMBER					
	TC 10	TC 11 D	TC 12 D	TC 13 D	TC 14A D	TC 15 D
7/03/84	67					
10/04/84	29	29	11	57	126	36
5/31/85	40	210	39	17	400	66
10/10/85	18	410	13	10	230	93
2/26/86	5	550	17	2	240	110
5/15/86	2	37	2	1	170	32
8/20/86	7	464	5	3	106	64
11/25/86	1	43	<1	1	118	44
2/17/87	2	110	60	<5	71	19

DATE	MONITORING WELL NUMBER					
	TC 16 D	TC 17 S	TC 17 D	TC 20 D	TC 22 S	TC 22 D
7/03/84						
10/04/84	98	396	44	6	258	50
5/31/85	140		82	31		40
10/10/85	80		50	18		45
2/26/86	19		23	2		3
5/15/86	16		21	2		1
8/20/86	14		18	<1		1
11/25/86	9		17	<1		1
2/17/87	11		13	6		1

DATE	MONITORING WELL NUMBER					
	TC23	TC24	TC25	TC 50	BOS	NIESS
7/03/84						
10/04/84					7	
5/31/85				70	28	
10/10/85				40	16	
2/26/86				77	1	1
5/15/86	<1	9		7	2	1
8/20/86	<1	103	<1	6	4	4
11/25/86	1	4	11	9	3	2
2/17/87	15	3	10	11	3	2

VOGEL PAINT & WAX COMPANY
TOTAL ORGANIC CARBON
(PPM)

DATE	MONITORING WELL NUMBER				
	MW 1	MW 2	MW 3	MW 4	MW 5
7/03/84					
10/04/84	45		44		
5/31/85	29	220	50	105	<4
10/10/85	6		7	51	2
2/26/86	2	160	2	12	2
5/15/86	3	150	2	8	1
8/20/86	1	112	4	11	1
11/25/86	2	41	2	11	2
2/17/87	2	100	12	8	2

DATE	SWS	MONITORING WELL NUMBER
		BLANK
7/03/84		
10/04/84		
5/31/85	77	7
10/10/85	30	
2/26/86	2	
5/15/86	2	<1
8/20/86	3	<1
11/25/86	3	
2/17/87	2	

MAXIMUM TOC CONCENTRATION (PPM) = 550

VOGEL PAINT & WAX COMPANY
TOTAL ORGANIC HALIDES
(PPB)

DATE	MONITORING WELL NUMBER				
	TC 1 S	TC 1 M	TC 1 D	TC 2 S	TC 2 D
7/03/84					
10/04/84			46		89
5/31/85			12		12
10/10/85					69
2/26/86			40		32
5/15/86			82		26
8/20/86			57		48
11/25/86			58		85
2/17/87			39		57

DATE	MONITORING WELL NUMBER					
	TC 3 S	TC 3 D	TC 4 S	TC 4 D	TC 5 S	TC 5 D
7/03/84						
10/04/84		250		110		47
5/31/85		11		48		72
10/10/85		130		140		18
2/26/86		53		42		33
5/15/86		40		35		32
8/20/86		45		44		46
11/25/86		82		67		41
2/17/87		82		130		40

DATE	MONITORING WELL NUMBER				
	TC 6 S	TC 6 D	TC 7	TC 8 D	TC 9
7/03/84					
10/04/84	10	170	110	51	16
5/31/85		110	130	72	63
10/10/85		120	180	110	50
2/26/86		30	129	30	142
5/15/86		17	68	27	84
8/20/86		49	126	83	105
11/25/86		29	69	70	93
2/17/87		100	29	73	180

VOGEL PAINT & WAX COMPANY
TOTAL ORGANIC HALIDES
(PPB)

DATE	MONITORING WELL NUMBER					
	TC 10	TC 11 D	TC 12 D	TC 13 D	TC 14A D	TC 15 D
7/03/84						
10/04/84	77	110	52	81	120	9
5/31/85	16	61	27	8	110	47
10/10/85	18		8	14	85	320
2/26/86	384	162	7	87	10	66
5/15/86	100	22	8	7	58	36
8/20/86	181	299	10	8	71	128
11/25/86	72	52	8	5	70	120
2/17/87	24	97	5	7	46	32

DATE	MONITORING WELL NUMBER					
	TC 16 D	TC 17 S	TC 17 D	TC 20 D	TC 22 S	TC 22 D
7/03/84						
10/04/84	340	18	85	9	63	12
5/31/85	45		36	13		16
10/10/85	79			7		
2/26/86	26		27	6		22
5/15/86	64		36	5		10
8/20/86	57		59	18		8
11/25/86	44		58	7		13
2/17/87	22		52	7		7

DATE	MONITORING WELL NUMBER					
	TC23	TC24	TC25	TC 50	BOS	NIES6
7/03/84						
10/04/84					14	
5/31/85				19	7	
10/10/85				150	7	
2/26/86				14	11	12
5/15/86	6	6		13	9	10
8/20/86	5	17		21	9	12
11/25/86	<5	<5	6	55	<5	<5
2/17/87	<5	<5	BROKEN	27	5	7

VOGEL PAINT & WAX COMPANY
TOTAL ORGANIC HALIDES
(PPB)

DATE	MONITORING WELL NUMBER				
	MW 1	MW 2	MW 3	MW 4	MW 5
7/23/84					
10/24/84	340		28		
5/31/85	9	100	<1	490	<10
10/10/85	8	220	7	690	
2/26/86	13	69	8	680	6
5/15/86	10	57	13	21	<5
8/20/86	10	60	32	36	13
11/25/86	9	44	13	59	5
2/17/87	10	63	69	17	<5

DATE	SWS	MONITORING WELL NUMBER
		BLANK
7/23/84		
10/24/84		
5/31/85	77	<5
10/10/85	10	
2/26/86	6	
5/15/86	11	<5
8/20/86	10	13
11/25/86	11	
2/17/87	7	

MAXIMUM TOX CONCENTRATION (PPB) = 690

VOGEL PAINT & WAX COMPANY
CHROMIUM
(PAB)

DATE	MONITORING WELL NUMBER				
	TC 1 S	TC 1 M	TC 1 D	TC 2 S	TC 2 D
7/03/84	8	21	20	20	30
5/31/85			<0.5		3
10/10/85			<1		<1
8/20/86			<1		<1
2/17/87			<1		<1

DATE	MONITORING WELL NUMBER					TC 5 D
	TC 3 S	TC 3 D	TC 4 S	TC 4 D	TC 5 S	
7/03/84	30	20	30	80	30	20
5/31/85		<0.5		<0.5		54
10/10/85		<1		<1		3
8/20/86		<1		<1		1
2/17/87		<1		3		<1

DATE	MONITORING WELL NUMBER				
	TC 6 S	TC 6 D	TC 7	TC 8 D	TC 9
7/03/84	30	30	20	<10	30
5/31/85		<0.5	0.6	0.6	<0.5
10/10/85		<1	<1	<1	<1
8/20/86		<1	<1	<1	<1
2/17/87		<1	<1	<1	<1

DATE	MONITORING WELL NUMBER					
	TC 10	TC 11 D	TC 12 D	TC 13 D	TC 14A D	TC 15 D
7/03/84	40					
5/31/85	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
10/10/85	<1	<1	<1	<1	<1	<1
8/20/86	1	1	<1	2	<1	<1
2/17/87	1	<1	<1	<1	<1	<1

VOGEL PAINT & WAX COMPANY
CHROMIUM
(PPB)

DATE	MONITORING WELL NUMBER					
	TC 16 D	TC 17 S	TC 17 D	TC 20 D	TC 22 S	TC 22 D
7/03/84						
5/31/85	<0.5		2	<0.5		<0.5
10/10/85	<1		<1	<1		<1
8/20/86	<1		<1	2		<1
2/17/87	<1		<1	<1		<1

DATE	MONITORING WELL NUMBER					
	TC23	TC24	TC25	TC 50	BOS	NISS
7/03/84						
5/31/85				<0.5	0.8	
10/10/85				<1	<1	
8/20/86	2	<1	16	<1	<1	<1
2/17/87	<1	<1	<1	<1	<1	<1

DATE	MONITORING WELL NUMBER				
	MW 1	MW 2	MW 3	MW 4	MW 5
7/03/84					
5/31/85	<0.5	<0.5	<0.5	<0.5	6
10/10/85	<1	<1	<1	<1	<1
8/20/86	<1	<1	<1	<1	1
2/17/87	<1	<1	<1	<1	<1

DATE	MONITORING WELL NUMBER	
	SWS	BLANK
7/03/84		
5/31/85	<0.5	10
10/10/85	<1	
8/20/86	12	<1
2/17/87	2	

MAXIMUM CHROMIUM CONCENTRATION (PPB) = 20

VOGEL PAINT & WAX COMPANY
LEAD CONCENTRATION
(PPB)

DATE	TC 1 S	TC 1 M	MONITORING WELL NUMBER		
			TC 1 D	TC 2 S	TC 2 D
7/03/84	1	<1	5	1	1
5/31/85			11		6
10/10/85			10		<1
8/20/86			15		2
2/17/87			1		<1
4/7/88			<10		

DATE	TC 3 S	MONITORING WELL NUMBER				TC 5 S	TC 5 D
		TC 3 D	TC 4 S	TC 4 D			
7/03/84	2	46	5	3	21	6	
5/31/85		<1		7		6	
10/10/85		<1		<1		<1	
8/20/86		2		<2		6	
2/17/87		3		<1		8	
4/7/88							

DATE	TC 6 S	MONITORING WELL NUMBER				TC 9
		TC 6 D	TC 7	TC 8 D		
7/03/84	25	2	2	<6	3	
5/31/85		1	<1	6	3	
10/10/85		<1	<1	<1	2	
8/20/86		<2	<2	<2	2	
2/17/87		1	<1	11	<1	
9/2/87					3	
4/7/88					<10	

VOGEL PAINT & WAX COMPANY
LEAD CONCENTRATION
(PPB)

DATE	TC 10	MONITORING WELL NUMBER				
		TC 11 D	TC 12 D	TC 13 D	TC 14A D	TC 15 D
7/03/84	0.6					
5/31/85	14	4	1	50	10	1
10/10/85	4	<1	<1	<1	5	5
8/20/86	<2	<4	<2	320	<2	<2
2/17/87	<1	21	2	4	2	2
9/2/87		<1		<1		
4/7/88		<10				

DATE	TC 16 D	MONITORING WELL NUMBER				TC 22 D
		TC 17 S	TC 17 D	TC 20 D	TC 22 S	
7/03/84						
5/31/85	2		2	<5		1
10/10/85	<1		<1	6		<1
8/20/86	<2		<2	<2		<2
2/17/87	2		<1	5		1
9/2/87				3		
4/7/88				<10		

DATE	TC23	MONITORING WELL NUMBER			BOS	NIESS
		TC24	TC25	TC 50		
7/03/84						
5/31/85				4	23	
10/10/85				<1	<1	
8/20/86	<2	<2	<2	<2	<1	<1
2/17/87	3	5	6	8	6	3
9/2/87	2	<1	<1		<1	9
4/5/88	<10	<10	<10		<10	<10

VOGEL PAINT & WAX COMPANY
LEAD CONCENTRATION
(PPB)

DATE	MONITORING WELL NUMBER				
	MW 1	MW 2	MW 3	MW 4	MW 5
7/03/84					
5/31/85	3	28	49	7	3
10/10/85	<1	<1	<1	2	<1
8/20/86	<2	<2	<1	<2	2
2/17/87	<1	2	1	<1	1
9/2/87					<1
4/7/88					<10

DATE	SWS	MONITORING WELL NUMBER		
		TRIP BLANK	EQUIP BLANK1	EQUIP BLANK2
7/03/84				
5/31/85	26	18		
10/10/85	<1			
8/20/86	<2	<2		
2/17/87	2			
9/2/87	4	<1		
4/7/88	<10			

MAXIMUM LEAD CONCENTRATION (PPB) = 320