

**COMPOUNDS OF CONCERN USED TO DIFFERENTIATE AFFECTED AREAS
VILLAGE OF GRAFTON
LIME KILN PARK**

Village wells 2, 6

Compound	Found in Leachate	Found in West Plume	Found Upgradient ¹ (Since 1990)
Toluene	X	X	X
1,1-Dichloroethane	X	X	X
cis-1,2-Dichloroethene	X	X	X
Trichloroethene	X	X	X
Methylene Chloride	X		X
Tetrachloroethene	X		X
Vinyl Chloride	X		
trans-1,2-Dichloroethene	X		
1,1,1-Trichloroethane		X	X
1,1-Dichloroethene		X	X
Chloroform		X	X
1,1,2-Trichlorotrifluoroethane		X	
Dibromochloromethane		X	X
Bromodichloromethane		X	X
NOTES:			
¹ Upgradient wells include Village wells Nos. 2 and 6 and P4B.			

} ?

DRAFT

Wells With Freon Detections

PRELIMINARY

Sample ID	Coll Date	Test Name	Result	Units
LKP-P1-115	11-Mar-98	1,1,2-Trichlorotrifluoroethane	350	ug/L
LKP-P1-145	11-Mar-98	1,1,2-Trichlorotrifluoroethane	210	ug/L
LKP-P1-185	11-Mar-98	1,1,2-Trichlorotrifluoroethane	83	ug/L
LKP-P1-225	11-Mar-98	1,1,2-Trichlorotrifluoroethane	41	ug/L
LKP-P1-70	11-Mar-98	1,1,2-Trichlorotrifluoroethane	8.5	ug/L
LKP-P1-95	11-Mar-98	1,1,2-Trichlorotrifluoroethane	250	ug/L
MULTI PORT #2	12-May-98	1,1,2-Trichlorotrifluoroethane	380	ug/L
MULTI PORT #3	13-May-98	1,1,2-Trichlorotrifluoroethane	340	ug/L
P4B	07-May-98	1,1,2-Trichlorotrifluoroethane	1.8	ug/L
P5B	07-May-98	1,1,2-Trichlorotrifluoroethane	79	ug/L
P5B-100	01-Apr-98	1,1,2-Trichlorotrifluoroethane	150	ug/L
P5B-120	01-Apr-98	1,1,2-Trichlorotrifluoroethane	6.3	ug/L
PW1719MR-130	20-Mar-98	1,1,2-Trichlorotrifluoroethane	0.55	ug/L
PW1719MR-190	20-Mar-98	1,1,2-Trichlorotrifluoroethane	3.8	ug/L
PW1784MD	02-Feb-97	1,1,2-Trichlorotrifluoroethane	40	ug/l
PW1785MD	11-Mar-97	1,1,2-Trichlorotrifluoroethane	28	ug/l
PW1788MD	25-Mar-97	1,1,2-Trichlorotrifluoroethane	11	ug/l
PW1792MD	08-Oct-96	1,1,2-Trichlorotrifluoroethane	13	ug/l
PW622GB	18-Mar-97	1,1,2-Trichlorotrifluoroethane	28	ug/l
PW698GB	25-Mar-97	1,1,2-Trichlorotrifluoroethane	17	ug/l
PW724GB	07-Mar-97	1,1,2-Trichlorotrifluoroethane	23	ug/l
PW740GB	11-Mar-97	1,1,2-Trichlorotrifluoroethane	18	ug/l
PW-760 GB-100	19-Mar-98	1,1,2-Trichlorotrifluoroethane	140	ug/L
PW-760 GB-140	19-Mar-98	1,1,2-Trichlorotrifluoroethane	88	ug/L
PW-760 GB-195	19-Mar-98	1,1,2-Trichlorotrifluoroethane	26	ug/L
PW-760 GB-235	19-Mar-98	1,1,2-Trichlorotrifluoroethane	63	ug/L
PW760GB	08-Oct-97	1,1,2-Trichlorotrifluoroethane	140	ug/l

same well

"PW" = Private well

"- 100" = Depth of sample in open borehole

"MD" or "MR" = Manchester Drive

"GB" = Green Bay Road

Multiport 2 = Middle interval at P-1

Multiport 3 = Top (B) interval at P-1

Sample PW1719MR was collected at 1749 Manchester Drive.

Table 1
Village of Grafton
Lime Kilm Park Investigation
Groundwater Sampling Result Summary
WDNR Private Well Samples

PRELIMINARY

Parameter	PW1715MD	PW1716LR	PW1725MD	PW1741MD	PW1749MD	PW1767MD
1,1 Dichloroethane			48	2.2	1.9	
1,1 Dichloroethene			5.8	4	0.9	
1,1,1-Trichloroethane			23	1.6	3	
1,1,2-Trichloroethane					0.57	
1,1,2-Trichlorotrifluoroethane						
Chloroform		4.4				
Chloromethane						
cis-1,2-Dichloroethene	5.6		240	20	140	40
Tetrachloroethene			0.54			
Toluene						0.66
trans-1,2-Dichloroethene			1.5		2	0.52
Trichloroethene	1.6		82	14	210	19
Vinyl Chloride			43	2.5	0.85	

Notes: Only detected parameters are shown
All Results in Micrograms/liter

Table 1
Village of Grafton
Lime Kilm Park Investigation
Groundwater Sampling Result Summary
WDNR Private Well Samples

PRELIMINARY

Parameter	PW1784MD	PW1785MD	PW1788MD	PW1792MD	PW622GB	PW698GB
1,1 Dichloroethane						
1,1 Dichloroethene						
1,1,1-Trichloroethane	1.2					
1,1,2-Trichloroethane						
1,1,2-Trichlorotrifluoroethane	40	28	11	13	28	17
Chloroform						
Chloromethane						
cis-1,2-Dichloroethene						
Tetrachloroethene						
Toluene						
trans-1,2-Dichloroethene						
Trichloroethene	3.4	0.9		0.58		0.82
Vinyl Chloride						

Notes: Only detected parameters are shown
 All Results in Micrograms/liter

Table 1
Village of Grafton
Lime Kilm Park Investigation
Groundwater Sampling Result Summary
WDNR Private Well Samples

PRELIMINARY

Parameter	PW711KC	PW724GB	PW740GB	PW760GB
1,1 Dichloroethane			0.7	
1,1 Dichloroethene				0.7
1,1,1-Trichloroethane			0.5	2.5
1,1,2-Trichloroethane				
1,1,2-Trichlorotrifluoroethane		23	18	140
Chloroform			1.4	
Chloromethane	1			
cis-1,2-Dichloroethene				1.6
Tetrachloroethene				
Toluene				
trans-1,2-Dichloroethene				
Trichloroethene			2.2	12
Vinyl Chloride				

Notes: Only detected parameters are shown
All Results in Micrograms/liter

Table 2
Village of Grafton
Lime Kilm Park Investigation
Groundwater Sampling Result Summary
REI Private Well Samples

PRELIMINARY

Parameter	LKP1749MR-90 90 Feet	LKP1749MR-130 130 Feet	PW1749MR-190 190 Feet	LK-PW812GB-70 70 Feet	LK-PW812GB-90 90 Feet
Trichloroethene	250	210	140	0	0.42
Chloride	15	13	15	93	120
cis-1,2-Dichloroethene	190	170	120	0	0
1,1,2-Trichlorotrifluoroethane	0	0.55	3.8	0	0
1,1 Dichloroethane	2.9	2.5	1.7	0	0
1,1,1-Trichloroethane	2.7	2.4	1.7	0	0
trans-1,2-Dichloroethene	2.1	1.7	1.1	0	0
1,1-Dichloroethene	1.9	1.6	1.1	0	0
Toluene	1.3	1.4	0.82	0.32	0.38
Vinyl chloride	0.66	0.57	0.46	0	0
Naphthalene	0	0	0	0	0
Chloroform	0	0	0	0	0

Notes: Only detected parameters are shown
All Results in Micrograms/liter

Table 2
Village of Grafton
Lime Kilm Park Investigation
Groundwater Sampling Results
REI Private Well Samples

PRELIMINARY

Parameter	LK-PW812GB-16 168 Feet	PW-760 GB-100 100 Feet	PW-760 GB-140 140 Feet	PW-760 GB-195 195 Feet	PW-760 GB-235 235 Feet
Trichloroethene	0.51	12	7.8	1.9	6.1
Chloride	220	150	120	61	130
cis-1,2-Dichloroethene	0	0.83	0.57	0	0
1,1,2-Trichlorotrifluoroethane	0	140	88	26	63
1,1 Dichloroethane	0	0.45	0	0	0
1,1,1-Trichloroethane	0	1.1	0.6	0	0
trans-1,2-Dichloroethene	0	0	0	0	0
1,1-Dichloroethene	0	0	0	0	0
Toluene	1.6	1.1	0.71	0.51	0.92
Vinyl chloride	0	0	0	0	0
Naphthalene	0	0.64	0.65	0	0
Chloroform	0	0.59	0	0	0

Notes: Only detected parameters are shown
All Results in Micrograms/liter

Table 3
Village of Grafton
Lime Kilm Park Investigation
Groundwater Sampling Result Summary
Leachate Results

PRELIMINARY

Parameter	LK-LH01	LK-LH02
Chloride	210	60
cis-1,2-Dichloroethene	160	79
Vinyl chloride	140	23
1,1-Dichloroethane	11	64
Trichloroethene	41	16
Acetone	15	7
Tetrachloroethene	7.3	0
Aroclor 1254	0	7.3
trans-1,2-Dichloroethene	7.1	3.4
Aroclor 1260	0	4.6
Chloroethane	0	3
2-Butanone	0	2.5
1,1-Dichloroethene	2.2	0
bis(2-Ethylhexyl)phthalate	2.1	0
Xylene, total	0	1.9
Benzene	0	1.9
Toluene	0.57	1.1
Methylene chloride	0	0.64
2,4-D	0.21	0

Notes: Only detected parameters are shown
 All Results in Micrograms/liter

Table 4
Village of Grafton
Lime Kilm Park Investigation
Groundwater Sampling Result Summary
Site Wells

PRELIMINARY

Parameter	P1B	P1C	P2A	P2B	P3B	P4B	P5B
cis-1,2-Dichloroethene	0	1.3	18	430	2.4	0	0.83
1,1,2-Trichlorotrifluoroethane	340	380	0	0	0	1.8	79
Chloride	160	36	240	81	16	66	21
Vinyl chloride	0	0	0.94	230	0.72	0	0
Trichloroethene	33	30	14	180	29	0	16
1,1-Dichloroethane	0	0	27	15	0	0	0
trans-1,2-Dichloroethene	0	0	0.85	11	0	0	0
Chloroethane	0	0	0	8.1	0	0	0
1,1,1-Trichloroethane	5.3	4.6	1.2	0.93	0	0	0
Tetrachloroethene	0	0	2.3	0	0.91	0	0
1,1-Dichloroethene	0	2	0	2.2	0	0	0.77
Chloroform	0	0.72	0	0	0	0	0
Toluene	0	0.55	0	0.41	0	0	0

Notes: Only detected parameters are shown
 All Results in Micrograms/liter

Table 5
Village of Grafton
Lime Kilm Park Investigation
Groundwater Sampling Result Summary
Surface Water Samples - Milwaukee River

PRELIMINARY

Parameter	LK-SW01	LK-SW02	LK-SW03
Chloride	94	90	78
Acetone	23	24	33
bis(2-Ethylhexyl)phthalate	2.3	3.5	0
Di-n-butylphthalate	0	2.4	0

Notes:

Only detected parameters are shown
All Results in Micrograms/liter