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State of Kansas . . . John Carlin, Governor

DEPARTMENT OF HEALTH AND ENVIRONMENT

Barbara J. Sabol, Secretary

Forbes Field
Topeka, Kansas 66620
913-862-9360

May 22, 1984

Mr. Victor E. Ziegler
Ground Water Section
U. S. EPA
324 East 11th Street
Kansas City, Missouri 64106

Dear Mr. Ziegler:

In our telephone conversation of 5/22/84, a request was made for an organic laboratory analysis for a typical monitoring well at the Vulcan facility in Wichita.

Enclosed is the analysis report for monitoring well 12S AD. This analysis report represents the most recent sampling at this facility. The analysis report is for priority pollutants, pesticides and volatile organic compounds.

If you have any questions regarding this analysis, please contact me at your convenience.

Sincerely yours,

DIVISION OF ENVIRONMENT

Larry Knoche

Larry Knoche, Chief
Environmental Geology Section

LK:cas
Enclosures

RECEIVED
MAY 23 1984
DRINKING WATER BRANCH
WATER MANAGEMENT DIVISION

30299080
Superfund

4-5-84 [illegible]

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
LABORATORY SERVICES AND RESEARCH
ENVIRONMENTAL ORGANIC LABORATORY
TOPEKA, KANSAS 66620

MAR 2 0 1984
BUREAU [illegible] &
ENVIRONMENTAL GEOLOGY

GC/MS ANALYSIS REPORT

REPORT TO: LARRY KNOCHE
ADDRESS FORBES BLDG 740 TOPEKA, KS. 66620.

LAB NUMBER 1422
REPORT DATE 03-23-1984

SAMPLE COLLECTION INFORMATION

SAMPLE IDENTIFICATION NUMBER: 3-15-84 12S AD
SAMPLE TYPE: WATER
COLLECTION SITE: VULCAN GROUNDWATER MONITOR WELL
COLLECTED BY: R.E. O'DONNOR
DATE: 3-15-84 TIME: 1330

RESULTS OF ANALYSIS

PRIORITY POLLUTANT VOLATILE COMPOUNDS	CONCENTRATION (UG/L (PPB))	DETECTION LIMIT (UG/L (PPB))
CHLOROMETHANE	NOT DETECTED	4.4
BROMOMETHANE	NOT DETECTED	0.8
VINYL CHLORIDE	NOT DETECTED	1.2
CHLOROETHANE	NOT DETECTED	4.4
DICHLOROMETHANE	4.2	0.6
1,1-DICHLOROETHYLENE	NOT DETECTED	0.6
1,1-DICHLOROETHANE	NOT DETECTED	0.4
TRANS 1,2-DICHLOROETHYLENE	1.3	0.4
TRICHLOROMETHANE	21.3	0.4
1,2-DICHLOROETHANE	3.3	0.4
1,1,1-TRICHLOROETHANE	NOT DETECTED	0.4
TETRACHLOROMETHANE	19.9	0.4
BROMODICHLOROMETHANE	NOT DETECTED	0.4
1,2-DICHLOROPROPANE	NOT DETECTED	0.4
TRANS 1,3-DICHLOROPROPENE	NOT DETECTED	0.4
TRICHLOROETHYLENE	14.2	0.4
BENZENE	22.5	0.4
DIBROMOCHLOROMETHANE	NOT DETECTED	0.4
CIS 1,3-DICHLOROPROPENE	NOT DETECTED	0.8
1,1,2-TRICHLOROETHANE	NOT DETECTED	0.4
BROMOFORM	NOT DETECTED	0.4
1,1,2,2-TETRACHLOROETHANE	NOT DETECTED	0.4
TETRACHLOROETHYLENE	37.7	0.4
TOLUENE	NOT DETECTED	0.4
CHLOROBENZENE	2.6	0.4
ETHYLBENZENE	NOT DETECTED	0.6
OTHER VOLATILES:		
META-XYLENE	0.4	0.4
ORTHO &/OR PARA-XYLENE	0.4	0.4

NOTE: CIS 1,2-DICHLOROETHYLENE IS REPORTED AS TRANS 1,2-DICHLOROETHYLENE.

ANALYST Susan J. Snyder
SUSAN J. SNYDER

CC: RALPH O'CONNOR [illegible] WICHITA KS

Roger H. Carlson, Ph.D.
Director

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
LABORATORY SERVICES AND RESEARCH
ENVIRONMENTAL ORGANIC LABORATORY
TOPEKA, KANSAS 66620

SOIL ANALYSIS REPORT

REPORT TO: LARRY [illegible]
ADDRESS FORBES FIELD [illegible] TOPEKA, KS. 66620

LAB NUMBER 1427
REPORT DATE 04-11-1984

SAMPLE COLLECTION INFORMATION

SAMPLE IDENTIFICATION NUMBER: 3-15-84-12S AD
SAMPLE TYPE: WATER
COLLECTION SITE: VULCAN GROUNDWATER MONITOR WELL
COLLECTED BY: R.E. O'CONNOR
DATE: 03-15-84 TIME: 1330

RESULTS OF ANALYSIS

PRIORITY POLLUTANT ACID EXTRACTABLE COMPOUNDS	CONCENTRATION (UG/L <PPB>)	DETECTION LIMIT (UG/L <PPB>)
ORTHO-CHLOROPHENOL	42.6	2
2-NITROPHENOL	NOT DETECTED	5
PHENOL	NOT DETECTED	4
2,4-DIMETHYLPHENOL	NOT DETECTED	5
2,4-DICHLOROPHENOL	8.4	4
2,4,6-TRICHLOROPHENOL	2.2	2
4-CHLORO-M-CRESOL	NOT DETECTED	5
2,4-DINITROPHENOL	NOT DETECTED	75
4,6-DINITRO-O-CRESOL	NOT DETECTED	75
PENTACHLOROPHENOL	NOT DETECTED	20
4-NITROPHENOL	NOT DETECTED	25
OTHER ACID EXTRACTABLES:		
2,4,5-TRICHLOROPHENOL	NOT DETECTED	4
2,3,5,6-TETRACHLOROPHENOL	NOT DETECTED	4
3,4-DICHLOROPHENOL	NOT DETECTED	4
3,4,5-TRICHLOROPHENOL	NOT DETECTED	20
2,6-DICHLOROPHENOL	6.6	4
PARA-CHLOROPHENOL	21.8	2
2,3,4,5-TETRACHLOROPHENOL	NOT DETECTED	20

NOTE: 2,3 & 2,5-DICHLOROPHENOL IF PRESENT, ARE CALCULATED AS 2,4-DICHLOROPHENOL
META-CHLOROPHENOL IF PRESENT, IS CALCULATED AS PARA-CHLOROPHENOL.
2,3,4-TRICHLOROPHENOL IF PRESENT, IS CALCULATED AS 2,4,5-TRICHLOROPHENOL.
2,3,4,6-TETRACHLOROPHENOL IF PRESENT, IS CALCULATED AS 2,3,5,6-TETRACHLOROPHENOL.

ANALYST Susan J. Snyder
SUSAN J. SNYDER

CC: RALPH O'CONNOR BOBB WICHITA, KS

Roger M. Carlson, Ph.D.
Director

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
LABORATORY SERVICES AND RESEARCH
ENVIRONMENTAL ORGANIC LABORATORY
TOPEKA, KANSAS 66620

PESTICIDE ANALYSIS REPORT

REPORT TO: LARRY ENOCHE
ADDRESS FORBES BLDG 740 TOPEKA, KS. 66620

LAB NUMBER 1427
REPORT DATE 04-20-1984

SAMPLE COLLECTION INFORMATION

SAMPLE IDENTIFICATION NUMBER: 3-13-84-12S AD
SAMPLE TYPE: WATER
COLLECTION SITE: VULCAN GROUNDWATER MONITOR WELL
COLLECTED BY: R.E. O'CONNOR
DATE: 03-13-84 TIME: 1330

RESULTS OF ANALYSIS

PP PESTICIDE	CONCENTRATION (MICROGRAMS PER LITER)	DETECTION LIMIT (MICROGRAMS PER LITER)
ALDRIN (1)	NOT DETECTED	0.025
ALPHA BHC	0.40	0.025
BETA BHC	0.46	0.050
DELTA BHC	1.0	0.050
GAMMA BHC (1)	0.53	0.025
CHLORDANE (1)	NOT DETECTED	0.25
P,P' DDD	NOT DETECTED	0.040
P,P' DDE	NOT DETECTED	0.020
P,P' DDT (1)	NOT DETECTED	0.10
DIELDRIN (1)	NOT DETECTED	0.050
ENDOSULFAN I	NOT DETECTED	0.020
ENDOSULFAN II	NOT DETECTED	0.020
ENDOSULFAN SULFATE	NOT DETECTED	0.10
ENDRIN (1)	NOT DETECTED	0.10
HEPTACHLOR	NOT DETECTED	0.4
HEPTACHLOR EPOXIDE	NOT DETECTED	0.020
TOXAPHENE (1)	NOT DETECTED	2.0
PCB-1016 (1)	NOT DETECTED	5.0
PCB-1221 (1)	NOT DETECTED	5.0
PCB-1232 (1)	NOT DETECTED	5.0
PCB-1242 (1)	NOT DETECTED	5.0
PCB-1248 (1)	NOT DETECTED	5.0
PCB-1254 (1)	NOT DETECTED	5.0
PCB-1260 (1)	NOT DETECTED	5.0
OTHER ROUTINE PESTICIDES		
ALACHLOR	NOT DETECTED	0.25
ATRAZINE	NOT DETECTED	25
DACTHAL	NOT DETECTED	0.050
P,P' DDT	NOT DETECTED	0.10
DUAL	NOT DETECTED	0.25
METHOXYCHLOR	NOT DETECTED	0.20
PARAQUAT	NOT DETECTED	5.0
PRONAMIDE	NOT DETECTED	0.10
2,4-D (2)	12	0.40
2,4,5-TP SILVEX (2)	NOT DETECTED	1.0
2,4,5-T (2)	NOT DETECTED	1.0
2,4-D (2)	22	
2,4,5-T (2)	4.3	

NO HEXACHLOROBENZENE OR HEXACHLORO-1,4-BUTADIENE DETECTED @ 0.90 UG/L.

(1) ROUTINE SCAN PESTICIDE (2) ACID EQUIVALENT

ANALYST Dennis L. Borsch
DENNIS L. BORSCH

cc: Ralph O'Connor

Roger H. Carlson, Ph.D.