

CHEVROLET



Central Office

RECEIVED
JUL 18 1983
EPR-FIELD STAFF

July 14, 1983

Mr. D. Cummins
Groundwater Quality Section
Michigan Department of Natural Resources
P. O. Box 30028
Lansing, MI 48909

Dear Mr. Cummins:

Attached for your information is the laboratory report for the May 16, 1983, monitoring well samples from Chevrolet's Linden Road Site. Please note that values in parentheses are the detection limits for the particular test.

If you have any questions, please contact the writer at 313-492-1138.

Sincerely,

G. E. CALHOUN, Staff Engineer
Manufacturing Facilities,
Research & Development

GEC/d1

chd-3

Attachment

CHEVROLET CENTRAL LABORATORIES

LAB NUMBER - 390
 PLANT - FACILITIES
 OUTFALL - 1S
 SAMPLE DATE - 830516

DESCRIPTION
 LINDEN ROAD MONITORING WELL SAMPLES
 VOLATILES ANALYSIS

X
 X
 X

VOLATILES

COMPOUND	CONCENTRATION (PPB)
ACROLEIN	ND @ -100
ACRYLONITRILE	ND @ -100
BENZENE	ND @ -20
BIS(CHLOROMETHYL)ETHER	ND @ -20
BROMOFORM	ND @ -20
CARBON TETRACHLORIDE	ND @ -20
CHLOROBENZENE	ND @ -20
CHLORODIBROMOMETHANE	ND @ -20
CHLOROETHANE	ND @ -20
2-CHLOROETHYL VINYL ETHER	ND @ -100
CHLOROFORM	ND @ -20
BROMODICHLOROMETHANE	ND @ -20
DICHLORODIFLUOROMETHANE	ND @ -20
1/1-DICHLOROETHANE	ND @ -20
1/2-DICHLOROETHANE	ND @ -20
VINYLDENE CHLORIDE	ND @ -20
1/2-DICHLOROPROPANE	ND @ -20
1/3-DICHLOROPROPYLENE	ND @ -20
ETHYLBENZENE	ND @ -20
METHYL BROMIDE	ND @ -20
METHYL CHLORIDE	ND @ -20
METHYLENE CHLORIDE	ND @ -20
1/1/2/2-TETRACHLOROETHANE	ND @ -20
TETRACHLOROETHYLENE	ND @ -20
TOLUENE	ND @ -20
TRANS-1/2-DICHLOROETHENE	ND @ -20
1/1/1-TRICHLOROETHANE	ND @ -20
1/1/2-TRICHLOROETHANE	ND @ -20
TRICHLOROETHYLENE	ND @ -20
TRICHLOROFLUOROMETHANE	ND @ -20
VINYL CHLORIDE	ND @ -20

PHENOLS
 NOT REQUIRED

830516

LABORATORY

CHEVROLET CENTRAL LABORATORIES

LAB NUMBER - 391
 PLANT - FACILITIES
 OUTFALL - 2S
 SAMPLE DATE - 830516

DESCRIPTION
 LINDEN ROAD MONITORING WELL SAMPLES.
 VOLATILES ANALYSIS.

X
 X
 X

VOLATILES

COMPOUND	CONCENTRATION (PPB)
ACROLEIN	ND @ -100
ACRYLONITRILE	ND @ -100
BENZENE	ND @ -20
BIS(CHLOROMETHYL)ETHER	ND @ -20
BROMOFORM	ND @ -20
CARBON TETRACHLORIDE	ND @ -20
CHLOROBENZENE	ND @ -20
CHLORODIBROMOMETHANE	ND @ -20
CHLOROETHANE	ND @ -20
2-CHLOROETHYL VINYL ETHER	ND @ -100
CHLOROFORM	ND @ -20
BROMODICHLOROMETHANE	ND @ -20
DICHLORODIFLUOROMETHANE	ND @ -20
1/1-DICHLOROETHANE	ND @ -20
1/2-DICHLOROETHANE	ND @ -20
VINYLDENE CHLORIDE	ND @ -20
1/2-DICHLOROPROPANE	ND @ -20
1/3-DICHLOROPROPYLENE	ND @ -20
ETHYLBENZENE	ND @ -20
METHYL BROMIDE	ND @ -20
METHYL CHLORIDE	ND @ -20
METHYLENE CHLORIDE	ND @ -20
1/1/2/2-TETRACHLOROETHANE	ND @ -20
TETRACHLOROETHYLENE	ND @ -20
TOLUENE	ND @ -20
TRANS-1/2-DICHLOROETHENE	ND @ -20
1/1/1-TRICHLOROETHANE	ND @ -20
1/1/2-TRICHLOROETHANE	ND @ -20
TRICHLOROETHYLENE	ND @ -20
TRICHLOROFLUOROMETHANE	ND @ -20
VINYL CHLORIDE	ND @ -20

PHENOLS
 NOT REQUIRED

1983
 CHEVROLET CENTRAL LABORATORIES

CHEVROLET CENTRAL LABORATORIES

LAB NUMBER - 392
 PLANT - FACILITIES
 OUTFALL - 3S
 SAMPLE DATE - 830516

DESCRIPTION
 LINDEN ROAD MONITORING WELL SAMPLES.
 VOLATILES ANALYSIS.

X
 X
 X

VOLATILES

COMPOUND	CONCENTRATION (PPB)
ACROLEIN	ND @ -100
ACRYLONITRILE	ND @ -100
BENZENE	ND @ -20
BIS(CHLOROMETHYL)ETHER	ND @ -20
BROMOFORM	ND @ -20
CARBON TETRACHLORIDE	ND @ -20
CHLOROBENZENE	ND @ -20
CHLORODIBROMOMETHANE	ND @ -20
CHLOROETHANE	ND @ -20
2-CHLOROETHYL VINYL ETHER	ND @ -100
CHLOROFORM	ND @ -20
BROMODICHLOROMETHANE	ND @ -20
DICHLORODIFLUOROMETHANE	ND @ -20
1/1-DICHLOROETHANE	ND @ -20
1/2-DICHLOROETHANE	ND @ -20
VINYLDENE CHLORIDE	ND @ -20
1/2-DICHLOROPROPANE	ND @ -20
1/3-DICHLOROPROPYLENE	ND @ -20
ETHYLBENZENE	ND @ -20
METHYL BROMIDE	ND @ -20
METHYL CHLORIDE	ND @ -20
METHYLENE CHLORIDE	ND @ -20
1/1/2/2-TETRACHLOROETHANE	ND @ -20
TETRACHLOROETHYLENE	ND @ -20
TOLUENE	ND @ -20
TRANS-1/2-DICHLOROETHENE	ND @ -20
1/1/1-TRICHLOROETHANE	ND @ -20
1/1/2-TRICHLOROETHANE	ND @ -20
TRICHLOROETHYLENE	ND @ -20
TRICHLOROFLUOROMETHANE	ND @ -20
VINYL CHLORIDE	ND @ -20

PHENOLS
 NOT REQUIRED

APR 21 1983
 CHEVROLET CENTRAL LABORATORIES

CHEVROLET CENTRAL LABORATORIES

LAB NUMBER - 393
 PLANT - FACILITIES
 OUTFALL - 1D
 SAMPLE DATE - 830516

DESCRIPTION
 LINDEN ROAD MONITORING WELL SAMPLE.
 VOLATILES ANALYSIS.

X
 X
 X

VOLATILES

COMPOUND	CONCENTRATION (PPB)
ACROLEIN	ND @ -100
ACRYLONITRILE	ND @ -100
BENZENE	ND @ -20
BIS(CHLOROMETHYL)ETHER	ND @ -20
BROMOFORM	ND @ -20
CARBON TETRACHLORIDE	ND @ -20
CHLOROBENZENE	ND @ -20
CHLORODIBROMOMETHANE	ND @ -20
CHLOROETHANE	ND @ -20
2-CHLOROETHYL VINYL ETHER	ND @ -100
CHLOROFORM	ND @ -20
BROMODICHLOROMETHANE	ND @ -20
DICHLORODIFLUOROMETHANE	ND @ -20
1/1-DICHLOROETHANE	ND @ -20
1/2-DICHLOROETHANE	ND @ -20
VINYLDENE CHLORIDE	ND @ -20
1/2-DICHLOROPROPANE	ND @ -20
1/3-DICHLOROPROPYLENE	ND @ -20
ETHYLBENZENE	ND @ -20
METHYL BROMIDE	ND @ -20
METHYL CHLORIDE	ND @ -20
METHYLENE CHLORIDE	ND @ -20
1/1/2/2-TETRACHLOROETHANE	ND @ -20
TETRACHLOROETHYLENE	ND @ -20
TOLUENE	ND @ -20
TRANS-1/2-DICHLOROETHENE	ND @ -20
1/1/1-TRICHLOROETHANE	ND @ -20
1/1/2-TRICHLOROETHANE	ND @ -20
TRICHLOROETHYLENE	ND @ -20
TRICHLOROFLUOROMETHANE	ND @ -20
VINYL CHLORIDE	ND @ -20

PHENOLS
 NOT REQUIRED

CHEVROLET CENTRAL LABORATORIES

LAB NUMBER - 394
 PLANT -FACILITIES
 OUTFALL -2D
 SAMPLE DATE - 830516

DESCRIPTION
 LINDEN ROAD MONITORING WELL SAMPLE.
 VOLATILES ANALYSIS.

X
 X
 X

VOLATILES

COMPOUND	CONCENTRATION (PPB)
ACROLEIN	ND @ -100
ACRYLONITRILE	ND @ -100
BENZENE	ND @ -20
BIS(CHLOROMETHYL)ETHER	ND @ -20
BROMOFORM	ND @ -20
CARBON TETRACHLORIDE	ND @ -20
CHLOROBENZENE	ND @ -20
CHLORODIBROMOMETHANE	ND @ -20
CHLOROETHANE	ND @ -20
2-CHLOROETHYL VINYL ETHER	ND @ -100
CHLOROFORM	ND @ -20
BROMODICHLOROMETHANE	ND @ -20
DICHLORODIFLUOROMETHANE	ND @ -20
1/1-DICHLOROETHANE	ND @ -20
1/2-DICHLOROETHANE	ND @ -20
VINYLDIENE CHLORIDE	ND @ -20
1/2-DICHLOROPROPANE	ND @ -20
1/3-DICHLOROPROPYLENE	ND @ -20
ETHYLBENZENE	ND @ -20
METHYL BROMIDE	ND @ -20
METHYL CHLORIDE	ND @ -20
METHYLENE CHLORIDE	ND @ -20
1/1/2/2-TETRACHLOROETHANE	ND @ -20
TETRACHLOROETHYLENE	ND @ -20
TOLUENE	ND @ -20
TRANS-1/2-DICHLOROETHENE	ND @ -20
1/1/1-TRICHLOROETHANE	ND @ -20
1/1/2-TRICHLOROETHANE	ND @ -20
TRICHLOROETHYLENE	ND @ -20
TRICHLOROFLUOROMETHANE	ND @ -20
VINYL CHLORIDE	ND @ -20

PHENOLS
 NOT REQUIRED

W. J. ... MD
 JUL 8 1983
 CHEVROLET CENTRAL LABORATORIES

CHEVROLET CENTRAL LABORATORIES

LAB NUMBER - 395
 PLANT - FACILITIES
 OUTFALL - 3D
 SAMPLE DATE - 830516

DESCRIPTION
 LINDEN ROAD MONITORING WELL SAMPLE.
 VOLATILES ANALYSIS.

X
 X
 X

VOLATILES

COMPOUND	CONCENTRATION (PPB)
ACROLEIN	ND @ -100
ACRYLONITRILE	ND @ -100
BENZENE	ND @ -20
BIS(CHLOROMETHYL)ETHER	ND @ -20
BROMOFORM	ND @ -20
CARBON TETRACHLORIDE	ND @ -20
CHLOROBENZENE	ND @ -20
CHLORODIBROMOMETHANE	ND @ -20
CHLOROETHANE	ND @ -20
2-CHLOROETHYL VINYL ETHER	ND @ -100
CHLOROFORM	ND @ -20
BROMODICHLOROMETHANE	ND @ -20
DICHLORODIFLUOROMETHANE	ND @ -20
1/1-DICHLOROETHANE	ND @ -20
1/2-DICHLOROETHANE	ND @ -20
VINYLDENE CHLORIDE	ND @ -20
1/2-DICHLOROPROPANE	ND @ -20
1/3-DICHLOROPROPYLENE	ND @ -20
ETHYLBENZENE	ND @ -20
METHYL BROMIDE	ND @ -20
METHYL CHLORIDE	ND @ -20
METHYLENE CHLORIDE	ND @ -20
1/1/2/2-TETRACHLOROETHANE	ND @ -20
TETRACHLOROETHYLENE	ND @ -20
TOLUENE	ND @ -20
TRANS-1/2-DICHLOROETHENE	ND @ -20
1/1/1-TRICHLOROETHANE	ND @ -20
1/1/2-TRICHLOROETHANE	ND @ -20
TRICHLOROETHYLENE	ND @ -20
TRICHLOROFLUOROMETHANE	ND @ -20
VINYL CHLORIDE	ND @ -20

RENDLS
 NOT REQUIRED

APR 15 1983
 CHEVROLET CENTRAL LABORATORIES

CHEVROLET CENTRAL LABORATORIES

LAB NUMBER - 396
 PLANT - FACILITIES
 OUTFALL - 4D
 SAMPLE DATE - 830516

DESCRIPTION
 LINDEN ROAD MONITORING WELL SAMPLE.
 VOLATILES ANALYSIS.

X
 X
 X

VOLATILES

COMPOUND	CONCENTRATION (PPB)
ACROLEIN	ND @ -100
ACRYLONITRILE	ND @ -100
BENZENE	ND @ -20
BIS(CHLOROMETHYL)ETHER	ND @ -20
BROMOFORM	ND @ -20
CARBON TETRACHLORIDE	ND @ -20
CHLOROBENZENE	ND @ -20
CHLORODIBROMOMETHANE	ND @ -20
CHLOROETHANE	ND @ -20
2-CHLOROETHYL VINYL ETHER	ND @ -100
CHLOROFORM	ND @ -20
BROMODICHLOROMETHANE	ND @ -20
DICHLORODIFLUOROMETHANE	ND @ -20
1/1-DICHLOROETHANE	ND @ -20
1/2-DICHLOROETHANE	ND @ -20
VINYLDENE CHLORIDE	ND @ -20
1/2-DICHLOROPROPANE	ND @ -20
1/3-DICHLOROPROPYLENE	ND @ -20
ETHYLBENZENE	ND @ -20
METHYL BROMIDE	ND @ -20
METHYL CHLORIDE	ND @ -20
METHYLENE CHLORIDE	ND @ -20
1/1/2/2-TETRACHLOROETHANE	ND @ -20
TETRACHLOROETHYLENE	ND @ -20
TOLUENE	ND @ -20
TRANS-1/2-DICHLOROETHENE	ND @ -20
1/1/1-TRICHLOROETHANE	ND @ -20
1/1/2-TRICHLOROETHANE	ND @ -20
TRICHLOROETHYLENE	ND @ -20
TRICHLOROFLUOROMETHANE	ND @ -20
VINYL CHLORIDE	ND @ -20

PHENDLS
 NOT REQUIRED

APR 19 1983
 889 13 106
 CHEVROLET CENTRAL LABORATORIES

CHEVROLET CENTRAL LABORATORIES

LAB NUMBER - 397
 PLANT - FACILITIES
 OUTFALL - 5D
 SAMPLE DATE - 830516

DESCRIPTION
 LINDEN ROAD MONITORING WELL SAMPLE.
 VOLATILES ANALYSIS.

X
 X
 X

VOLATILES

COMPOUND	CONCENTRATION (PPB)
ACROLEIN	ND @ -100
ACRYLONITRILE	ND @ -100
BENZENE	ND @ -20
BIS(CHLOROMETHYL)ETHER	ND @ -20
BROMOFORM	ND @ -20
CARBON TETRACHLORIDE	ND @ -20
CHLOROBENZENE	ND @ -20
CHLORODIBROMOMETHANE	ND @ -20
CHLOROETHANE	ND @ -20
2-CHLOROETHYL VINYL ETHER	ND @ -100
CHLOROFORM	ND @ -20
BROMODICHLOROMETHANE	ND @ -20
DICHLORODIFLUOROMETHANE	ND @ -20
1/1-DICHLOROETHANE	ND @ -20
1/2-DICHLOROETHANE	ND @ -20
VINYLDENE CHLORIDE	ND @ -20
1/2-DICHLOROPROPANE	ND @ -20
1/3-DICHLOROPROPYLENE	ND @ -20
ETHYLBENZENE	ND @ -20
METHYL BROMIDE	ND @ -20
METHYL CHLORIDE	ND @ -20
METHYLENE CHLORIDE	ND @ -20
1/1/2/2-TETRACHLOROETHANE	ND @ -20
TETRACHLOROETHYLENE	ND @ -20
TOLUENE	ND @ -20
TRANS-1/2-DICHLOROETHENE	ND @ -20
1/1/1-TRICHLOROETHANE	ND @ -20
1/1/2-TRICHLOROETHANE	ND @ -20
TRICHLOROETHYLENE	ND @ -20
TRICHLOROFLUOROMETHANE	ND @ -20
VINYL CHLORIDE	ND @ -20

REMARKS
 NOT REQUIRED

830516-397
 830516 JUL
 CHEVROLET CENTRAL LABORATORIES

CHEVROLET CENTRAL LABORATORIES

LAB NUMBER - 398
 PLANT - FACILITIES
 OUTFALL - 6D
 SAMPLE DATE - 830516

DESCRIPTION
 LINDEN ROAD MONITORING WELL SAMPLE.
 VOLATILES ANALYSIS.

X
 X
 X

VOLATILES

COMPOUND	CONCENTRATION (PPB)
ACROLEIN	ND @ -100
ACRYLONITRILE	ND @ -100
BENZENE	ND @ -20
BIS(CHLOROMETHYL)ETHER	ND @ -20
BROMOFORM	ND @ -20
CARBON TETRACHLORIDE	ND @ -20
CHLOROBENZENE	ND @ -20
CHLORODIBROMOMETHANE	ND @ -20
CHLOROETHANE	ND @ -20
2-CHLOROETHYL VINYL ETHER	ND @ -100
CHLOROFORM	ND @ -20
BROMODICHLOROMETHANE	ND @ -20
DICHLORODIFLUOROMETHANE	ND @ -20
1/1-DICHLOROETHANE	ND @ -20
1/2-DICHLOROETHANE	ND @ -20
VINYLDENE CHLORIDE	ND @ -20
1/2-DICHLOROPROPANE	ND @ -20
1/3-DICHLOROPROPYLENE	ND @ -20
ETHYLBENZENE	ND @ -20
METHYL BROMIDE	ND @ -20
METHYL CHLORIDE	ND @ -20
METHYLENE CHLORIDE	ND @ -20
1/1/2/2-TETRACHLOROETHANE	ND @ -20
TETRACHLOROETHYLENE	ND @ -20
TOLUENE	ND @ -20
TRANS-1/2-DICHLOROETHENE	ND @ -20
1/1/1-TRICHLOROETHANE	ND @ -20
1/1/2-TRICHLOROETHANE	ND @ -20
TRICHLOROETHYLENE	ND @ -20
TRICHLOROFLUOROMETHANE	ND @ -20
VINYL CHLORIDE	ND @ -20

PHENOLS
 NOT REQUIRED

117-231-210
 8891 & INC
 CHEVROLET CENTRAL LABORATORIES

CHEVROLET CENTRAL LABORATORIES

LAB NUMBER - 399
 PLANT -FACILITIES
 OUTFALL -7D
 SAMPLE DATE - 830516

DESCRIPTION
 LINDEN ROAD MONITORING WELL SAMPLE.
 VOLATILES ANALYSIS.

X
 X
 X

VOLATILES

COMPOUND	CONCENTRATION (PPB)
ACROLEIN	ND @ -100
ACRYLONITRILE	ND @ -100
BENZENE	ND @ -20
BIS(CHLOROMETHYL)ETHER	ND @ -20
BROMOFORM	ND @ -20
CARBON TETRACHLORIDE	ND @ -20
CHLOROBENZENE	ND @ -20
CHLORODIBROMOMETHANE	ND @ -20
CHLOROETHANE	ND @ -20
2-CHLOROETHYL VINYL ETHER	ND @ -100
CHLOROFORM	ND @ -20
BROMODICHLOROMETHANE	ND @ -20
DICHLORODIFLUOROMETHANE	ND @ -20
1/1-DICHLOROETHANE	ND @ -20
1/2-DICHLOROETHANE	ND @ -20
VINYLDENE CHLORIDE	ND @ -20
1/2-DICHLOROPROPANE	ND @ -20
1/3-DICHLOROPROPYLENE	ND @ -20
ETHYLBENZENE	ND @ -20
METHYL BROMIDE	ND @ -20
METHYL CHLORIDE	ND @ -20
METHYLENE CHLORIDE	ND @ -20
1/1/2/2-TETRACHLOROETHANE	ND @ -20
TETRACHLOROETHYLENE	ND @ -20
TOLUENE	ND @ -20
TRANS-1/2-DICHLOROETHENE	ND @ -20
1/1/1-TRICHLOROETHANE	ND @ -20
1/1/2-TRICHLOROETHANE	ND @ -20
TRICHLOROETHYLENE	ND @ -20
TRICHLOROFLUOROMETHANE	ND @ -20
VINYL CHLORIDE	ND @ -20

PHENOLS
 NOT REQUIRED

10/18/83
 10/18/83
 CHEVROLET CENTRAL LABORATORIES

CHEVROLET CENTRAL LABORATORIES

LAB NUMBER - 400
 PLANT - FACILITIES
 OUTFALL - 8D
 SAMPLE DATE - 830516

DESCRIPTION
 LINDEN ROAD MONITORING WELL SAMPLE.
 VOLATILES ANALYSIS.

X
 X
 X

VOLATILES

COMPOUND	CONCENTRATION (PPB)
ACROLEIN	ND @ -100
ACRYLONITRILE	ND @ -100
BENZENE	ND @ -20
BIS(CHLOROMETHYL)ETHER	ND @ -20
BROMOFORM	ND @ -20
CARBON TETRACHLORIDE	ND @ -20
CHLOROBENZENE	ND @ -20
CHLORODIBROMOMETHANE	ND @ -20
CHLOROETHANE	ND @ -20
2-CHLOROETHYL VINYL ETHER	ND @ -100
CHLOROFORM	ND @ -20
BROMODICHLOROMETHANE	ND @ -20
DICHLORODIFLUOROMETHANE	ND @ -20
1/1-DICHLOROETHANE	ND @ -20
1/2-DICHLOROETHANE	ND @ -20
VINYLDENE CHLORIDE	ND @ -20
1/2-DICHLOROPROPANE	ND @ -20
1/3-DICHLOROPROPYLENE	ND @ -20
ETHYLBENZENE	ND @ -20
METHYL BROMIDE	ND @ -20
METHYL CHLORIDE	ND @ -20
METHYLENE CHLORIDE	ND @ -20
1/1/2/2-TETRACHLOROETHANE	ND @ -20
TETRACHLOROETHYLENE	ND @ -20
TOLUENE	ND @ -20
TRANS-1/2-DICHLOROETHENE	ND @ -20
1/1/1-TRICHLOROETHANE	ND @ -20
1/1/2-TRICHLOROETHANE	ND @ -20
TRICHLOROETHYLENE	ND @ -20
TRICHLOROFLUOROMETHANE	ND @ -20
VINYL CHLORIDE	ND @ -20

PHENDLS
 NOT REQUIRED

830516
 888
 100
 100

CHEVROLET CENTRAL LABORATORIES
 30007 VAN DYKE
 WARREN, MICH. 48090

◆◆◆ MP3341 ◆◆◆ FACILITIES
 LINDEN ROAD MONITORING WELLS.
 VOLATILE SAMPLES TAKEN BY FACILITIES.

TEST	5-16-1983 1D	5-16-1983 1S	5-16-1983 2D	5-16-1983 2S
PH ()	10.20000	9.36000	10.31000	9.35000
TDS (PPM)	128.00000	468.00000	232.00000	226.00000
DIL (PPM) (	5.00000)	(5.00000)	(5.00000)	(5.00000)
PHEN(PPB)	8.00000	(4.00000)	6.00000	6.00000
NO3 (PPM) (	.10000)	(.10000)	(.10000)	(.10000)
CL (PPM)	7.00000	12.20000	9.50000	6.00000
F (PPM)	1.85000	.22000	1.52000	.51000
SD4 (PPM)	13.50000	295.00000	26.00000	42.00000
AS (PPM) (	.01000)	(.01000)	(.01000)	(.01000)
BA (PPM) (	.05000)	(.05000)	(.05000)	(.05000)
CD (PPM) (	.01000)	(.01000)	(.01000)	(.01000)
CR (PPM) (	.05000)	(.05000)	(.05000)	(.05000)
CU (PPM) (	.02000)	.02000	(.02000)	(.02000)
FE (PPM)	.22000	.05000	.12000	(.03000)
PB (PPM)	.01200	.01000	.01600	.02600
HG (PPB) (	.40000)	(.40000)	(.40000)	(.40000)
NI (PPM) (	.04000)	.07000	(.04000)	.05000
SE (PPM)	.01700	.01100	.01800	.01400
AG (PPM) (	.01000)	(.01000)	(.01000)	(.01000)
ZN (PPM)	.08000	.05000	.04000	.63000

FACILITIES

TEST	5-16-1983 3D	5-16-1983 3S	5-16-1983 4D	5-16-1983 5D
PH ()	9.54000	8.03000	10.11000	9.69000
TDS (PPM)	266.00000	412.00000	152.00000	82.00000
OIL (PPM) (	5.00000)	5.00000)	5.00000)	5.00000)
PHEN(PPB) (	4.00000)	4.00000)	4.00000)	4.00000)
NO3 (PPM) (	.10000)	.10000)	.10000)	.10000)
CL (PPM)	8.00000	21.20000	5.00000	6.70000
F (PPM)	.93000	.22000	2.90000	2.05000
SD4 (PPM)	39.00000	36.00000	1.00000)	17.00000
AS (PPM) (	.01000)	.01000)	.01000)	.01000)
BA (PPM)	.09400	.13500	.05000)	.05000
CD (PPM) (	.01000)	.01000)	.01000)	.01000)
CR (PPM) (	.05000)	.05000)	.05000)	.05000)
CU (PPM) (	.02000)	.02000)	.02000)	.02000)
FE (PPM) (	.03000)	.03000)	.18000	.05000
PB (PPM)	.01700	.01500	.02600	.01300
HG (PPB) (	.40000)	.40000)	.40000)	.40000)
NI (PPM)	.04000	.06000	.04000)	.04000)
SE (PPM)	.02100	.03400	.02400	.02600
AG (PPM) (	.01000)	.01000)	.01000)	.01000)
ZN (PPM)	.07000	.39000	.14000	.07000

TEST	5-16-1983 6D	5-16-1983 7D	5-16-1983 8D
PH ()	9.47000	9.77000	9.54000
TDS (PPM)	206.00000	152.00000	178.00000
DIL (PPM) (	5.00000)	(5.00000)	(5.00000)
PHEN(PPB) (	4.00000)	(4.00000)	(4.00000)
NO3 (PPM) (	.10000)	(.10000)	(.10000)
CL (PPM)	18.00000	4.50000	3.20000
F (PPM)	.64000	1.60000	1.18000
SO4 (PPM)	10.50000	2.00000	21.50000
AS (PPM) (	.01000)	(.01000)	(.01000)
BA (PPM) (	.05000)	(.05000)	(.07600)
CD (PPM)	.01000	.01000	.01000)
CR (PPM) (	.05000)	(.05000)	(.05000)
CU (PPM) (	.02000)	(.02000)	(.02000)
FE (PPM) (	.03000)	(.03000)	(.03000)
PB (PPM)	.01500	.02100	.01600
HG (PPB) (	.40000)	(.40000)	(.40000)
NI (PPM) (	.04000)	(.04000)	(.04000)
SE (PPM)	.02900	.03000	.03200
AG (PPM) (	.01000)	(.01000)	(.01000)
ZN (PPM)	.02000	.09000	.04000

PPM = MG/L FOR WATER - MG/KG FOR SLUDGE

PPB = UG/L FOR WATER - UG/KG FOR SLUDGE

NOT DETECTED = ()

ANALYSIS BY

J BUHL----- L CAMILLERI----- D HORVATH----- A OLESZKO----- C WALTER-----

J. ROELANDT: SUPERVISOR