UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

S00021
SUPERFUND RECORDS
22994

DATE: 9/23/87

MEMORANDUM

SUBJECT: Data Transmittal For Activity Number: J59B9
Site Description: Cherokee Co

FROM: Robert D. Kleopfer, Ph.D RDK
Chief, Laboratory Branch, ENSV

TO: Robert L. Morby
Chief, Superfund Branch, WSTM

ATTN: Fuerst

Attached is the data transmittal for the above referenced site. This should be considered a ___ Partial ___ Corrected X Complete data transmittal (completes transmittal of _____). If you have any questions or comments, please contact D. Simmons at 236-3881.

Attachments

cc: Data File

RECEIVED
SEP 25 1987
SUPERFUND BRANCH

EPA Region VII

Data Qualification Codes

U - Compound was not detected.

M - Compound was qualitatively identified; however, quantitative value is less than contract required detection limits (CLP data); or value is less than limit of quantitation (EPA data).

J - Compound was qualitatively identified; however, compound failed to meet all QA criteria and, therefore, is only an estimated value.

I - Analysis attempted, but no results can be reported.

O - Sample lost or not analyzed.

L - Value known to be higher than value reported.

NA I - Sample was not analyzed for this compound.

Codes for Flash Point Data

L - The sample did not ignite or "flash." This is the highest temperature at which the sample was tested. It is possible that the material may be ignitable at higher temperatures.

K - The sample did ignite or "flash" at the lowest temperature tested. This is usually the ambient temperature at the time of the test. It is possible that the material may be ignitable at even lower temperatures.

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: CHEROKEE COUNTY — Site Number: B9
Location: GALENA. KANSAS — Site Code: N/A

Collected: YR: 87 MO: 8 Day: 25 Time: 1105 Leader: D. MOOS

Sample Number: J59B9025 — SMO #: /

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER,) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1 GAL. CUBIT	WHITE	HNO3	TOTAL METALS
1 GAL CUBIT	GRAY	HNO3	DISS. METALS

Depth: INTEGRATED COMPOSITE — Pan #: / — Aliquots: /

Samplers: RANDY KLOBERDANZ
GENISE CUECKE

COMMENTS OF FIELD PERSONNEL

Site Description:
STA 1 SHORT CREEK
COND. V. METALS

IBM-PC

FIELD SHEET
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

Site Name: CHEROKEE COUNTY Site Number: B9
Location: GALENA. KANSAS Site Code: N/A

Collected: YR: 87 MO: 8 Day: 27 Time: 1035 Leader: D. MOOS

Sample Number: J59B9026 SMO #: /

Sample Media (circle one):
SOIL, DUST, RINSATE, SEDIMENT, (WATER) OTHER:_____

Sample Split (circle one): YES (NO)

Sample Container	Tag Color	Preservative	Analysis Requested
1 GAL. CUBIT	WHITE	HNO3	TOTAL METALS
1 GAL CUBIT	GRAY	HNO3	DISS. METALS

Depth: INTEGRATED COMPOSITE Pan #: / Aliquots: /

Samplers: RANDY KLOBERDANZ

COMMENTS OF FIELD PERSONNEL

Site Description:
STA 4 SHORT CREEK
COND. V. METALS

IBM-PC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

DATE: 8/27/87

SUBJECT: Activity Number: J59B9
Site Description: Cherokee County

FROM: D. Simmons D Simmons
CLQA-LABO-ENSV

TO: LABO Primary File

Comments regarding the subject activity are as follows:

Sample Number:

#024 Did NOT receive field sheet for this sample, only received chain-of-custody.

ANALYSIS TYPE: TOTAL METALS-LOW LEVEL

TITLE: CHEROKEE
LAB: EPA REGION VII
SAMPLE PREP: Qm ANALYST/ENTRY: GRS DRS
MATRIX: WATER
METHOD: 2001W77
REVIEWER: VBB
DATA FILE: GS7
UNITS: UG/L
CASE:
DATE: 09/16/87

		J59B9025	J59B9026
SILVER	UG/L	2.0U	2.0U
ALUMINUM	UG/L	40.	91.
ARSENIC	UG/L	5.0U	5.0U
BARIUM	UG/L	25.	24.
BERYLLIUM	UG/L	.40U	.40U
CADMIUM	UG/L	97.	84.
COBALT	UG/L	6.1	6.5
CHROMIUM	UG/L	2.0U	2.0U
COPPER	UG/L	11.	13.
IRON	UG/L	41.	120.
MANGANESE	UG/L	340.	440.
MOLYBDENUM	UG/L	7.0	6.8
NICKEL	UG/L	52.	41.
LEAD	UG/L	33.	42.
ANTIMONY	UG/L	10.U	10.U
SELENIUM	UG/L	5.0U	5.0U
TITANIUM	UG/L	10.U	10.U
THALLIUM	UG/L	5.0U	5.0U
VANADIUM	UG/L	2.0U	2.6
ZINC	UG/L	16000.	13000.
CALCIUM	MG/L	66.	57.
MAGNESIUM	MG/L	5.4	4.6
SODIUM	MG/L	9.7	8.8
POTASSIUM	MG/L	3.2	3.3

ANALYSIS TYPE: TOTAL METALS-LOW LEVEL

TITLE: CHEROKEE CO. MATRIX: WATER UNITS: UG/L
LAB: EPA REGION VII METHOD: 2001W77 CASE:
SAMPLE PREP: GLM ANALYST/ENTRY: GLM REVIEWER: DATE: 08/24/87

		J59B9024
SILVER	UG/L	2.0U
ALUMINUM	UG/L	27.
ARSENIC	UG/L	10.U
BARIUM	UG/L	38.
BERYLLIUM	UG/L	.40U
CADMIUM	UG/L	120.
COBALT	UG/L	3.3
CHROMIUM	UG/L	2.0U
COPPER	UG/L	12.
IRON	UG/L	34.
MANGANESE	UG/L	190.
MOLYBDENUM	UG/L	4.2
NICKEL	UG/L	51.
LEAD	UG/L	12.
ANTIMONY	UG/L	10.U
SELENIUM	UG/L	1.0U
TITANIUM	UG/L	10.U
THALLIUM	UG/L	5.0U
VANADIUM	UG/L	2.0U
ZINC	UG/L	14000.
CALCIUM	MG/L	70.
MAGNESIUM	MG/L	6.1
SODIUM	MG/L	12.
POTASSIUM	MG/L	3.5

ANALYSIS TYPE: DISSOLVED METALS-LOW LEVEL

TITLE: CHEROKEE CO. MATRIX: WATER UNITS: UG/L
LAB: EPA REGION VII METHOD: 2001W77 CASE:
SAMPLE PREP: GLM ANALYST/ENTRY: GLM REVIEWER: DSB DATE: 08/25/87

J59B9024

SILVER	UG/L	2.0U
ALUMINUM	UG/L	10.U
ARSENIC	UG/L	10.U
BARIUM	UG/L	36.
BERYLLIUM	UG/L	.40U
CADMIUM	UG/L	120.
COBALT	UG/L	2.9
CHROMIUM	UG/L	2.0U
COPPER	UG/L	9.4
IRON	UG/L	10.U
MANGANESE	UG/L	190.
MOLYBDENUM	UG/L	3.6
NICKEL	UG/L	50.
LEAD	UG/L	2.2
ANTIMONY	UG/L	10.U
SELENIUM	UG/L	1.0U
TITANIUM	UG/L	10.U
THALLIUM	UG/L	5.0U
VANADIUM	UG/L	2.0U
ZINC	UG/L	14000.
CALCIUM	MG/L	68.
MAGNESIUM	MG/L	5.9
SODIUM	MG/L	12.
POTASSIUM	MG/L	3.4

ANALYSIS TYPE: DISSOLVED METALS-LOW LEVEL

TITLE: CHEROKEE
LAB: EPA REGION VII
SAMPLE PREP: GCM ANALYST/ENTRY: GRS
MATRIX: WATER
METHOD: 2001W77
REVIEWER: HSB
DATA FILE: GS8
UNITS: UG/L
CASE:
DATE: 09/17/87

		J59B9025	J59B9026
SILVER	UG/L	2.0U	2.0U
ALUMINUM	UG/L	21.	19.
ARSENIC	UG/L	5.0U	5.0U
BARIUM	UG/L	23.	21.
BERYLLIUM	UG/L	.40U	.40U
CADMIUM	UG/L	85.	70.
COBALT	UG/L	6.3	5.3
CHROMIUM	UG/L	2.0U	2.0U
COPPER	UG/L	5.8	5.8
IRON	UG/L	12.	12.
MANGANESE	UG/L	340.	430.
MOLYBDENUM	UG/L	8.6	6.8
NICKEL	UG/L	53.	40.
LEAD	UG/L	1.0U	1.4
ANTIMONY	UG/L	10.U	10.U
SELENIUM	UG/L	5.0U	5.0U
TITANIUM	UG/L	10.U	10.U
THALLIUM	UG/L	5.0U	5.0U
VANADIUM	UG/L	2.0U	2.0U
ZINC	UG/L	14000.	12000.
CALCIUM	MG/L	68.	57.
MAGNESIUM	MG/L	5.5	4.5
SODIUM	MG/L	9.7	8.6
POTASSIUM	MG/L	3.0	3.2

MERCURY
EPA REGION VII INORGANIC DATA

TITLE: KOP07,WCF27,26,25,J69B9,WCF36
DATE: 08/18/87
MATRIX: WATER

PARAMETER: MERCURY
METHOD: 245.1W01
ANALYST: JLR JLR/ WBB

SAMPLE NO.	RESULT UG/L	READING	CALCULATED	MULTIPLICATION FACTOR	REF	QC %REC
KOP07006	0.234	47	.234	1		
KOP07007	0.478	87.5	.478	1		
KOP07008	0.364	68.5	.364	1		
WCF27002	0.306	59	.306	1		
WCF25002	0.339	64.5	.339	1		
WCF26002	0.164	35.5	.164	1		
J69B9010	0.1 U	11	.016	1		
J59B9024 ds	0.101	25	.101	1		
WCF36002	0.46	84.5	.46	1		
J69B9010S	0.204	42	.204	1		
J69B9010R					.2	94.0
J69B9900C	0.451	83	.451	1		
J69B9900A					.467	96.6

MERCURY
EPA REGION VII INORGANIC DATA

TITLE: J49X7,J59D9,OBL35,WEF52
DATE: 09/18/87
MATRIX: WATER

PARAMETER: MERCURY
METHOD: 245.1W01
ANALYST: JLR JLR Ky

SAMPLE NO.	RESULT UG/L	READING	CALCULATED	MULTIPLICATION FACTOR	REF	QC %REC
J49X7010	0.1 U	18.5	.022	1		
J49X7012	0.134	36.5	.134	1		
J49X7013	0.118	34	.118	1		
J49X7014F	0.1 U	25.5	.066	1		
J49X7015F	2.46	412	2.461	1		
J59B9025	0.245	54.5	.245	1		
J59D9026	0.177	43.5	.177	1		
OBL35001	0.236	53	.236	1		
OBL35900C	0.41	81	.41	1		
OBL35900A					.467	87.8
OBL35900M	0.1 U	13	-.011	1		
OBL35002	0.385	77	.385	1		
OBL35003	0.218	50	.218	1		
OBL35004	0.298	63	.298	1		
OBL35004D	0.236	53	.236	1		
OBL35005	0.239	53.5	.239	1		
OBL35006F	0.149	39	.149	1		
WEF52002	0.211	49	.211	1		

MERCURY,DISSOLVED
EPA REGION VII INORGANIC DATA

TITLE: J59B9
DATE: 09/18/87
MATRIX: WATER

PARAMETER: MERCURY,DISSOLVED
METHOD: 2451W01
ANALYST: JLR JLR Ky

SAMPLE NO.	RESULT UG/L	READING	CALCULATED	MULTIPLICATION FACTOR	REF	QC %REC
J59B9025	0.177	43.5	.177	1		
J59B9026	0.125	35	.125	1		