EPA Region 5 Records Ctr.
312152

Summer Well Sampling Data - 1995

Location	Sample Date	Batch	Cd (ug/L)	Cr (ug/L)	Cu (ug/L)	Pb (ug/L)	Ni (ug/L)	Zn (ug/L)	Ag (ug/L)	Hg (ug/L)	As (ug/L)	Se (ug/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Fe (ug/L)	Mn (ug/L)	Co (ug/L)
Fire Sta 1	09/01/95	AEC	< 10	< 40	51.9	< 1.0	< 40	< 10	< 10	< 0.5	3.6	< 5.0	81	28	1.4	20.3	857	54	< 50
Fire Sta 1	10/31/96	AEM	< 10	< 40	165.6	1	< 40	12	< 10	< 0.5	< 2.0	< 5.0	100	32	2.3	50.6	342	56	< 50
Fire Sta 3	08/22/95	AEC	< 10	< 40	225.5	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	85	25	1.2	24.1	89	29	< 50
Fire Sta 3	10/31/96	AEM	< 10	< 40	154.5	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	88	27	1.5	24.3	46	19	< 50
Fire Sta 6	09/01/95	AEC	< 10	< 40	96.1	< 1.0	< 40	< 10	< 10	< 0.5	2.7	< 5.0	69	24	1.3	24.3	419	66	< 50
Fire Sta 6	10/31/96	AEM	< 10	< 40	141.8	1.1	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	69	25	1.3	26.5	372	60	< 50
Gull Rd	08/22/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	78	23	1.1	6.3	< 30	14	< 50
Gull Rd	10/31/96	AEM	< 10	< 40	44.4	< 1.0	< 40	< 10	< 10	< 0.5	3.6	< 5.0	76	24	1.1	6.6	< 30	< 5.0	< 50
KVCC	08/22/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	58	20	1.1	8.8	564	28	< 50
KVCC	10/31/96	AEM	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	5.5	< 5.0	62	22	1	13.5	2921	119	< 50
Ross Twp	09/21/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	6.8	< 5.0	71	24	< 1.0	16.7	1618	73	< 50
Sta 01 Well 04	10/31/96	AEM	< 10	< 40	< 40	< 1.0	< 40	14	< 10	< 0.5	< 2.0	< 5.0	98	32	2.5	41.1	115	102	< 50
Sta 4 Sta 04 Well 05	08/18/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	7.2	< 5.0	68	26	1.6	21.5	864	67	< 50
Sta 04 Well 08	08/18/95	AEC	< 10	< 40	< 40	6.9	< 40	23	< 10	< 0.5	4.1	< 5.0	70	26	1.3	12.8	1065	78	< 50
Sta 09 Well 02	10/30/96	AEM	< 10	< 40	< 40	10.2	< 40	71	< 10	< 0.5	3.2	< 5.0	72	26	1.5	29	274	153	< 50
Sta 09 Well 03	10/30/96	AEM	< 10	< 40	< 40	2	< 40	13	< 10	< 0.5	3	< 5.0	67	25	1.5	29.6	245	146	< 50
Sta 09 Well 04	10/30/96	AEM	< 10	< 40	< 40	15.5	< 40	23	< 10	< 0.5	4.4	< 5.0	64	24	1.7	27.3	474	225	< 50
Sta 09 Well 05	10/30/96	AEM	< 10	< 40	< 40	1.1	< 40	12	< 10	< 0.5	2.2	< 5.0	59	23	1.5	25.3	270	229	< 50
Sta 09 Well 06	10/30/96	AEM	< 10	< 40	< 40	1.8	< 40	13	< 10	< 0.5	2.5	< 5.0	59	21	1.3	25.4	204	194	< 50
Sta 09 Well 10	10/30/96	AEM	< 10	< 40	< 40	3	< 40	< 10	< 10	< 0.5	4.2	< 5.0	79	28	1.6	29.6	308	172	< 50
Sta 09 Well 11	10/30/96	AEM	< 10	< 40	< 40	2.3	< 40	21	< 10	< 0.5	2.6	< 5.0	79	27	1.7	53.3	341	164	< 50
Sta 12 Well 01	09/27/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	9.6	< 5.0	74	29	1.1	9.9	719	57	< 50
Sta 12 Well 02	09/27/95	AEC	< 10	< 40	< 40	1.2	< 40	< 10	< 10	< 0.5	12.2	< 5.0	84	33	1.2	7.1	761	69	< 50
Sta 12 Well 03	09/27/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	6.5	< 5.0	65	25	1.5	12.2	579	51	< 50
Sta 12 Well 04	09/27/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	6.9	< 5.0	71	26	< 1.0	10.1	801	59	< 50
Sta 24 Well 03	10/31/96	AEM	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	64	25	< 1.0	10.2	1304	39	< 50
Sta 24 Well 04	10/31/96	AEM	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	2.3	< 5.0	58	22	1.2	12.7	1131	30	< 50
Sta 24 Well 07	10/31/96	AEM	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	62	22	< 1.0	8.3	837	53	< 50
Sta 24 Well 15	10/31/96	AEM	< 10	< 40	< 40	1.1	< 40	25	< 10	< 0.5	2.9	< 5.0	51	15	< 1.0	3.6	1619	43	< 50
Sta 25 Well 01	09/22/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	86	26	1.2	6.1	< 30	30	< 50
Sta 25 Well 03	09/22/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	79	25	1.5	6	< 30	< 5	< 50
Sta 25 Well 05	09/22/95	AEC	< 10	< 40	< 40	< 1.0	< 40	18	< 10	< 0.5	< 2.0	< 5.0	80	24	< 1.0	5	95	18	< 50
Sta 25 Well 06	09/22/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	70	22	< 1.0	5.3	< 30	88	< 50
Sta 25 Well 08	09/22/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	81	23	< 1.0	7.5	254	51	< 50
Sta 39 Raw 01	09/06/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	8.7	< 5.0	84	21	1.5	15.2	423	133	< 50
Sta 39 Raw 02	09/05/95	AEC	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	9.1	< 5.0	86	21	1.5	15.7	464	133	< 50

CITY OF KALAMAZOO TRACE ORGANICS LABORATORY REPORT
SUMMER WELL STUDY

SUMMER WELL SAMPLES 1995

Units are ug/l (ppb)

Sta 4

Sample Location:		1-2	1-4	4-5	4-8	9-2	9-3	9-4
Sample Date:		10/14/95	10/31/95	8/28/95	8/28/95	10/30/95	10/30/95	10/30/95
Sampled by:		KL	KL	KL	KL	PM	PM	PM
Analysis Date:		10/23/95	11/2/95	9/1/95	9/1/95	10/31/95	10/31/95	10/31/95
Analyzed by		KL	JB	KL	KL	JB	JB	JB
	MDL							
Dichlorodifluoromethane	*0.3*	ND	ND	ND	ND	ND	ND	ND
Chloromethane	*0.6*	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	*0.2*	ND	ND	ND	ND	ND	ND	ND
Bromomethane	*0.4*	ND	ND	ND	ND	ND	ND	ND
Chloroethane	*0.4*	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	*0.2*	ND	ND	ND	ND	ND	ND	ND
Diethyl Ether	*0.5*	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	*0.3*	ND	ND	ND	ND	ND	ND	ND
Acetone	*5.0*	ND	ND	ND	ND	ND	ND	ND
Iodomethane	*0.6*	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	*1.1*	ND	ND	ND	ND	ND	ND	ND
Allyl Chloride	*0.3*	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	*0.4*	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	*1.0*	ND	ND	ND	ND	ND	ND	ND
t-1,2-Dichloroethene	*0.3*	ND	ND	ND	ND	ND	ND	ND
Methyl -t-Butyl Ether	*0.4*	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	*0.2*	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	*1.0*	ND	ND	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	*0.2*	5.4	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	*0.8*	ND	ND	ND	ND	ND	ND	ND
Propionitrile	*0.3*	ND	ND	ND	ND	ND	ND	ND
Methyl Acrylate	*0.3*	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	*0.3*	ND	ND	ND	ND	ND	ND	ND
Methacrylonitrile	*0.3*	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	*0.5*	ND	ND	ND	ND	ND	ND	ND
Chloroform	***0.2***	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
1,1,1-Trichloroethane	*0.3*	ND	ND	ND	ND	ND	ND	ND
n-Butyl Chloride	*0.3*	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	*0.1*	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	*0.2*	ND	ND	ND	ND	ND	ND	ND
Benzene	*0.2*	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	*0.3*	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	*0.1*	1.1	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	*0.4*	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	*0.3*	ND	ND	ND	ND	ND	ND	ND
Methyl Methacrylate	*0.2*	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	***0.3***	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
2-Nitropropane	***0.3***	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Chloroacetonitrile	*0.4*	ND	ND	ND	ND	ND	ND	ND
c-1,3-Dichloropropene	*0.2*	ND	ND	ND	ND	ND	ND	ND
4-Methyl 2-Pentanone	*0.3*	ND	ND	ND	ND	ND	ND	ND
Ethyl Methacrylate	*0.3*	ND	ND	ND	ND	ND	ND	ND
Dichloroacetone	*0.3*	ND	ND	ND	ND	ND	ND	ND
Toluene	*0.2*	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	*0.2*	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	*0.3*	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	*0.4*	1.1	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	*0.2*	ND	ND	ND	ND	ND	ND	ND
Methyl Butyl Ketone	*0.4*	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	***0.3***	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
1,2-Dibromoethane	*0.1*	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected at the MDL (Method Detection Limit)

SUM95.XLS

CITY OF KALAMAZOO TRACE ORGANICS LABORATORY REPORT
SUMMER WELL STUDY

SUMMER WELL SAMPLES 1995

Units are ug/l (ppb)

Sample Location:		1-2	1-4	4-5	4-8	9-2	9-3	9-4
Sample Date:		10/14/95	10/31/95	8/28/95	8/28/95	10/30/95	10/30/95	10/30/95
Sampled by:		KL	KL	KL	KL	PM	PM	PM
Analysis Date:		10/23/95	11/2/95	9/1/95	9/1/95	10/31/95	10/31/95	10/31/95
Analyzed by		KL	JB	KL	KL	JB	JB	JB
	MDL							
Chlorobenzene	*0.3*	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethene	*0.3*	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	*0.1*	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	*0.3*	ND	ND	ND	ND	ND	ND	ND
o-Xylene	*0.1*	ND	ND	ND	ND	ND	ND	ND
Styrene	*0.2*	ND	ND	ND	ND	ND	ND	ND
Bromoform	***0.2***	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Isopropyl Benzene	*0.2*	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachlorethane	*0.2*	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	*0.2*	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	*0.2*	ND	ND	ND	ND	ND	ND	ND
T-1,4-Dichloro-2-Butene	*0.7*	ND	ND	ND	ND	ND	ND	ND
n-Propyl Benzene	*0.1*	ND	ND	ND	ND	ND	ND	ND
2-Chloro Toluene	*0.2*	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethyl Benzene	*0.2*	ND	ND	ND	ND	ND	ND	ND
4-Chloro Toluene	*0.2*	ND	ND	ND	ND	ND	ND	ND
t-Butyl Benzene	*0.2*	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	*0.3*	ND	ND	ND	ND	ND	ND	ND
Pentachloroethane	*1.0*	ND	ND	ND	ND	ND	ND	ND
sec-Butyl Benzene	*0.1*	ND	ND	ND	ND	ND	ND	ND
p-Isopropyl Toluene	*0.1*	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	*0.2*	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	*0.2*	ND	ND	ND	ND	ND	ND	ND
n-Butyl Benzene	*0.3*	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	*0.2*	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	*0.3*	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloro Propane	*0.3*	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	*1.0*	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	*0.1*	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	*0.3*	ND	ND	ND	ND	ND	ND	ND
Naphthalene	*0.3*	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloro Benzene	*0.1*	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected at the MDL (Method Detection Limit)

CITY OF KALAMAZOO
SWS_1995.DBF

SUMMER WELL SAMPLING RESULTS FOR 1995

(Results in mg/L, Cond. IN uMOS)

IDENT	DATE	ALKA-LINITY	AMMONIA	CHLORIDE	CONDVTY	FLUORIDE	HDNESS	NITRATE	D_OXY	PH	O-PHOS	SILICATE	SULFATE	TEMP(C)	TDS	COMMENT
FS1	09/01/1995	276	0.036	42.40	0.666	0.020	327	0.17	2.00	7.22	0.11	8.01	36.42	20.5		
FS1	10/01/1995	297	0.025	107.80	0.917	0.996	327	0.50	4.05	6.56	0.25	6.70	40.33	15.3	538	SI EXP 1 WK
FS3	10/01/1995	262	0.023	53.02	0.695	0.942	310	1.41	3.42	6.82	0.34	6.45	31.44	15.1	412	SI EXP 1 WK
FS3	08/02/1995	252	0.029	34.36	0.702	0.798	327	1.30	2.80	7.09	0.19	7.10	34.71	20.9		
FS6	10/01/1995	225	0.031	52.80	0.612	0.901	258	0.09	1.80	7.39	0.21	6.07	22.75	17.5	354	SI EXP 1 WK
FS6	09/01/1995	270	0.029	31.57	0.624	0.980	309	0.01	1.40	7.29		7.14	28.33	22.7		
GULL	10/01/1995	231	0.019	3.30	0.539	1.410	258	1.36	3.43	7.26	0.18		32.39	11.7	319	
GULL	08/02/1995	224	0.031		0.533	1.100	310	1.18	2.85	7.26	0.16	7.35	34.71	15.8		
KVC	10/01/1995	208	0.023	17.03	0.483	1.120	258	0.07	1.44	7.50	0.17	6.82	17.38	13.3	288	SI EXP 1 WK
KVC	08/02/1995	196	0.075	20.84	0.533	1.150	275	0.01	1.50	7.36	0.11	7.95	22.57	15.8		
S1	10/10/1995					1.080		0.47								PARTIAL CHEMICAL FOR STATE
S1-2	10/04/1995	326	0.120	129.86	0.962	0.134	261	0.05	1.00	7.26	0.02	6.24	42.00			NH3;NO2 EXP
S1-4	10/01/1995	295	0.103	83.60	0.841	0.113	361	0.78	2.50		0.05	6.37	40.20			SI EXP 1WK
S11-2	10/04/1995	247	0.090	27.79	0.572	0.131	258	0.04	1.05	7.50	0.02	6.66	29.60			NH3;NO2 EXP
S11-7	10/04/1995	259	0.085	59.81	0.662	0.143	292	0.28	1.40	7.58	0.02	6.21	25.90			NH3;NO2 EXP
S12-1	09/07/1995	274	0.178	16.30	0.559	0.206	292	0.01	1.40	7.52	0.02	7.26	26.80	11.7		
S12-2	09/07/1995	276	0.171	20.00	0.561	0.199	361	0.01	2.05	7.56	0.02	7.97	37.60	11.8		
S12-3	09/07/1995	250	0.144	19.23	0.510	0.215	292	0.02	1.12	7.64	0.02	7.95	12.30	12.2		
S12-4	09/07/1995	256	0.139	17.43	0.485	0.193	292	0.01	1.65	≈ 7.57	0.01	7.74	17.13	12.2		
S13	10/18/1995	262	0.239	29.20	0.362	0.125	310	0.01	2.80	7.14	0.05	7.72	34.90	11.8		NO3/NO2&NO2 <0.04ppm
S14	10/10/1995					0.910		0.69								PARTIAL CHEMICAL FOR STATE
S22-1	10/06/1995	326	0.039	8.66	0.511	0.132	258	0.84	1.05	7.39	0.04	5.99	29.88	25.0		
S22-2	10/08/1995	242	0.067	9.11	0.490	0.130	258	0.27	1.90	7.69	0.02	6.95	26.98	25.0		
S22-3	10/08/1995	246	0.094	12.82	0.490	0.126	258	0.01	6.75	7.80	0.03	7.32	25.30	25.0		
S24	10/10/1995					0.125		0.05								PARTIAL CHEMICAL FOR STATE
S24-3	10/31/1995	230	0.202	6.67	0.508	0.143	241	0.07	1.80	7.58	0.07	7.42	19.07	11.2		SI EXP 1 WK
S24-4	10/31/1995	225	0.124	6.80	0.481	0.154	241	0.09	1.95	7.60	0.07	7.21	11.92	14.0		SI EXP 1 WK
S24-7	10/31/1995	226	0.121	9.00	0.482	0.126	241	0.07	2.15	7.47	0.05	6.73	23.20	11.6		SI EXP 1 WK
S24-15	10/31/1995	189	0.524	5.00	0.351	0.100	206	0.05	7.25	7.59	0.05	6.21	5.00	11.3		CL & SO4 <5ppb SI EXP 1 WK
S25	10/10/1995					1.160		0.58								PARTIAL CHEMICAL FOR STATE
S25-1	09/23/1995	266	0.043	11.92	0.581	0.111	310	1.46	2.30	7.24		6.55	40.40	10.7		
S25-3	09/23/1995	265	0.038	13.49	0.548	0.121	310	3.03	5.60	7.09	0.06	6.86	25.90	12.3		
S25-5	09/23/1995	258	0.036	11.02	0.535	0.112	292	0.83	3.20	7.69	0.05	7.31	30.10	10.5		
S25-6	09/24/1995	232	0.071	11.81	0.473	0.113	275	0.58	2.50	7.33	0.09	6.79	24.04	14.4		
S25-8	09/23/1995	260	0.040	12.14	0.556	0.113	292	0.27	1.60	7.65	0.06	7.24	38.30	10.7		
S3	10/10/1995					1.080		0.53								PARTIAL CHEMICAL FOR STATE
S37-1	09/21/1995	267	0.286	23.84	0.555	0.169	310	0.05	1.55	7.10	0.05	9.07	4.41	10.8	315	
S39-B2	09/06/1995	250	0.434	25.22	0.611	0.140	310	1.58	1.50	7.17	0.07	7.31	30.61	15.2		
S39-B1	09/06/1995	272	0.430	30.16	0.602	0.140	310	1.58	1.60	7.24	0.02	7.42	30.40	15.3		
S39-N	10/10/1995					0.990		0.74								
S4-5	08/28/1995	420	0.213	36.15	0.598	0.258	292	0.01	1.00	7.42	0.01	8.05	22.33	11.6		
S4-8	08/28/1995	290	0.148	10.59	0.513	0.241	258	0.01	1.60	7.47	0.07	8.25	24.47	11.7		HDNESS- HAD TO ADJUST PH FOR
S9	10/10/1995					0.880		0.04								PARTIAL CHEMICAL FOR STATE
S9-2	10/30/1995	236	0.041	58.50	0.637	0.121	292	0.09	1.80	6.58	0.06	5.33	20.50	12.4		
S9-3	10/30/1995	232	0.083	53.40	0.615	0.115	258	0.09	1.80	6.84	0.05	5.32	19.97	12.3		SI EXP 1 WK
S9-4	10/30/1995	219	0.087	49.50	0.580	0.112	241	0.03	1.75	6.82	0.05	5.21	19.44	13.0		SI EXP 1 WK
S9-5	10/30/1995	212	0.075	42.20	0.550	0.108	224	0.04	1.80	7.21	0.05	4.39	17.40	11.2		SI EXP 1 WK
S9-6	10/30/1995	214	0.049	41.60	0.555	0.120	224	0.05	2.10	7.21	0.06	4.89	17.30	11.0		SI EXP 1 WK
S9-10	10/30/1995	249	0.109	60.90	0.770	0.123	275	0.06	1.65	7.21	0.06	6.44	42.80	12.2		SI EXP 1 WK
S9-11	10/30/1995	262	0.121	91.10	0.780	0.117	292	0.06	2.30	7.32	0.06	6.18	29.20	12.1		SI EXP 1 WK
AVERAGE		257	0.118	33.52	0.586	0.407	282	0.43	2.28	7.15	0.08	6.86	26.66	14.3	371	
COUNT		43	43	42	43	50	43	50	43	42	41	42	43	39	6	

Sta 4

CITY OF KALAMAZOO
SWS_1993.DBF

SUMMER WEEK SAMPLING RESULTS FOR 1993

(Results in mg/L, Cond. IN uMOS)

IDENT	DATE	ALKALINITY	AMMONIA	CHLORIDE	CONDCTIVTY	FLOURIDE	HARDNESS	NITRATES	D_OXYGEN	PH	O- PHOSPHATE	SILICATE	SULFATE	TEMP (C)
C1-RAW	05/1[illegible]/1993	290	0.080	79.50	0.897	0.129	447	1.00	1.25	7.01	0.02	6.20	41.63	12.0
C1-2	05/1[illegible]/1993	291	0.030	51.35	0.769	0.121	378	0.87	1.35	7.11	0.08	6.44	33.42	12.0
C1-3	05/2[illegible]/1993	3[illegible]4	0.[illegible]60	88.95	0.960	0.135	464	1.12	1.70	7.04	0.05	6.26	51.28	12.0
C1-4	05/2[illegible]/1993	290	0.030	58.83	0.754	0.131	344	0.35	1.50	7.13	0.04	6.28	28.85	12.0
C1-5	06/2[illegible]/1993	336	0.020	102.29	0.968	0.137	413	0.00	1.80	6.79	0.01	7.17	52.93	13.0
C1-6	05/1[illegible]/1993	301	0.[illegible]00	60.59	0.825	0.147	396	7.13	1.60	7.01	0.06	7.25	57.46	13.0
C1-7	05/1[illegible]/1993	302	0.030	54.87	0.793	0.146	403	0.94	2.60	7.02	0.17	6.70	52.34	14.0
C-D2	07/2[illegible]/1993	318	0.020	105.89	1.018	0.135	396	1.21	2.10	6.99	0.04	6.90	46.46	13.0
C-D3	07/2[illegible]/1993	352	0.080	107.14	1.120	0.129	413	0.61	1.70	6.92	0.04	7.13	59.99	13.0
C2-RAW	04/3[illegible]/1993	332	0.020	95.52	0.742	0.577	430	0.13	1.00	7.53	0.14	7.66	65.19	13.0
C2-2	05/21/1993	3[illegible]9	0.090	101.16	0.895	0.132	378	0.08	1.50	6.98	0.06	6.39	50.84	13.0
C2-3	05/2[illegible]/1993	234	0.020	22.90	0.692	0.126	344	0.60	2.05	7.07	0.02	5.4[illegible]	32.24	12.0
C2-4	05/21/1993	292	0.020	67.40	0.773	0.136	361	0.74	1.83	7.05	0.06	5.27	39.60	12.0
C2-5	05/21/1993	300	0.050	62.02	0.732	0.146	344	0.00	1.63	7.19	0.07	5.61	44.40	12.0
C2-6	05/25/1993	307	0.040	45.62	0.841	0.127	396	0.48	2.08	7.09	0.02	5.83	54.21	12.0
C2-8	05/21/1993	2[illegible]0	0.060	22.52	0.580	0.169	258	0.00	5.30	7.26	0.07	6.09	25.85	12.0
S3-RAW	05/25/1993	302	0.050	30.43	0.787	0.130	361	0.70	2.20	7.04	0.04	6.24	41.55	12.0
S3-1	06/24/1993	305	0.060	50.36	0.735	0.150	378	0.69	2.08	7.15	0.02	7.14	37.12	13.0
S3-2	05/25/1993	306	0.060	21.58	0.750	0.151	327	0.22	1.30	7.03	0.02	6.28	38.16	12.0
S3-3	05/23/1993	303	0.050	31.48	0.808	0.135	361	0.77	1.60	7.05	0.02	6.38	41.80	12.0
S3-4	05/25/1993	383	0.120	72.17	0.932	0.113	361	2.10	3.75	7.12	0.02	6.24	38.96	13.0
S3-5	05/23/1993	295	0.050	28.89	0.691	0.136	327	0.38	1.30	7.08	0.02	6.71	43.77	12.0
S4-RAW	07/03/1993	292	0.170	30.43	0.600	0.492	378	0.00	1.65	7.41	0.50	7.35	37.09	13.0
S4-3	07/23/1993	290	0.030	19.08	0.541	0.205	310	0.01	1.20	7.61	0.04	7.67	25.19	11.0
S4-5	07/23/1993	274	0.020	33.84	0.602	0.271	258	0.01	1.90	8.18	0.03	7.73	19.15	11.0
S4-9	07/23/1993	290	0.030	54.76	0.795	1.220	344	0.80	2.60	7.31	0.25	7.37	40.46	14.0
S4-10	07/23/1993	278	0.100	32.27	0.638	0.432	327	0.00	0.90	7.48	0.02	7.90	28.38	13.0
S5-RAW1	07/23/1993	3[illegible]3	0.070	43.24	0.842	0.165	378	0.00	1.00	7.50	0.09	6.71	68.81	11.0
S5-RAW2	07/2[illegible]/1993	356	0.070	41.62	0.876	0.136	430	2.51	2.50	7.52	0.02	7.54	66.33	12.0
S5-2	07/23/1993	352	0.080	45.30	0.840	0.134	361	0.05	1.58	7.63	0.04	7.07	75.66	12.0
S5-4	07/2[illegible]/1993	372	0.040	37.41	0.885	0.133	413	6.04	4.20	7.75	0.07	7.59	52.13	12.0
S7-1	07/0[illegible]/1993	334	0.150	46.92	0.770	0.158	378	0.05	2.05	7.40	0.04	7.66	44.72	14.0
S7-2	07/0[illegible]/1993	334	0.120	57.30	0.801	0.132	396	0.09	2.10	7.36	0.04	6.97	46.32	13.0
S8-RAW	08/04/1993	286	0.170	57.81	0.706	0.149	344	0.00	1.65	7.33	0.02	7.61	38.75	12.0
S8-1	08/04/1993	270	0.200	12.39	0.583	0.151	275	0.00	1.90	7.83	0.02	7.75	28.80	12.0
S8-2	08/04/1993	272	0.190	43.88	0.635	0.149	310	0.00	1.95	8.78	0.02	7.24	32.36	12.0
S8-3	08/04/1993	278	0.170	52.07	0.678	0.144	310	0.00	1.65	7.91	0.02	7.51	34.80	12.0
S8-4	08/04/1993	284	0.190	54.06	0.552	0.151	327	0.00	2.05	7.37	0.03	7.67	39.29	12.0
S8-5	08/04/1993	272	0.110	108.90	0.878	0.142	396	0.00	1.50	7.49	0.03	7.36	51.47	12.0
S8-6	08/04/1993	253	0.180	59.85	0.505	0.160	310	0.01	1.10	8.36	0.02	7.31	38.54	12.0
S-9RAW	06/25/1993	218	0.080	49.17	0.624	0.132	292	0.01	1.20	7.36	0.01	6.26	25.84	14.0
S9-1	06/25/1993	232	0.220	51.45	0.621	0.138	292	0.02	1.75	7.53	0.00	6.15	17.07	21.0
S9-2	06/25/1993	236	0.050	39.42	0.558	0.130	292	0.01	0.95	7.45	0.00	6.46	18.85	15.0
S9-3	06/25/1993	234	0.050	58.75	0.636	0.129	292	0.01	1.50	7.46	0.01	6.20	25.17	13.0

City of Kalamazoo

Trace Organics Laboratory Report -- Summer Well Sampling 1993

Sta 4

Sample Location:	3-RAW	3-1	3-2	3-3	3-4	3-5	4-RAW	4-1	4-2	4-3	4-4	4-5	
Date Sampled & Received in Lab:	5/26/93	6/24/93	5/26/93	5/28/93	5/26/93	5/28/93	7/9/93	NOT SAMPLED	NOT SAMPLED	7/28/93	NOT SAMPLED	7/28/93	
Sampler:	RB	RB	RB	RB	RB	RB	RB			RB		RB	
Analysis Date:	5/27/93	7/1/93	5/27/93	6/1/93	5/27/93	6/1/93	7/22/93			7/30/93		7/30/93	
Analyzed by:	KL	KL	KL	KL	KL	KL	JB			KL		KL	*MCL*
Benzene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*5*
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND			ND		ND	*THM*
Bromoform	ND	ND	ND	ND	ND	ND	ND			ND		ND	*THM*
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND			ND		ND	*5*
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*100*
Chloroform	ND	ND	ND	ND	ND	ND	0.6			ND		ND	*THM*
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND			ND		ND	*THM*
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*600*
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*75*
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND			ND		ND	*5*
c-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*70*
t-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*100*
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*7*
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND			ND		ND	*5*
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*700*
Styrene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*100*
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*5*
Toluene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*1000*
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND			ND		ND	*200*
Trichloroethene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*5*
m & p-Xylene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*10,000**
o-Xylene	ND	ND	ND	ND	ND	ND	ND			ND		ND	*10,000**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND			ND		ND	*2*

Analyzed by EPA Method 524.2 or 502.2. All results are expressed in ppb (ug/l).
MCL=Maximum Contaminant Level Set by EPA.
*Regulated as Total Xylenes
THM=Regulated as Total Trihalomethanes. The total of these 4 compounds cannot exceed 100 ppb.
ND = NOT DETECTED AT A DETECTION LIMIT OF 1.0 PPB (ug/l
This laboratory is certified by the Michigan Department of Public Health for the analysis of all regulated VOC's. This includes all VOC's listed on this report.
Reported 03/31/94

City of Kalamazoo

Trace Organics Laboratory Report -- Summer Well Sampling 1993

Sta 4

Sample Location:	4-6A	4-7B	4-8C	4-9D	4-10E	5-RAW1	5-RAW2	5-1	5-2	5-3	5-4	7-1	
Date Sampled & Received in Lab:	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	7/28/93	7/28/93	7/28/93	7/28/93	NOT SAMPLED	7/28/93	NOT SAMPLED	7/28/93	7/1/93	
Sampler:				RB	RB	RB	RB		RB		RB	RB	
Analysis Date:				7/30/93	7/30/93	7/30/93	8/9/93		8/9/93		8/9/93	7/9/93	
Analyzed by:				KL	KL	KL	KL		KL		KL	JB	MC
Benzene				ND	ND	ND	ND		ND		ND	ND	5
Bromodichloromethane				1.1	ND	ND	ND		ND		ND	ND	TH
Bromoform				ND	ND	ND	ND		ND		ND	ND	TH
Carbon Tetrachloride				ND	ND	ND	ND		ND		ND	ND	5
Chlorobenzene				ND	ND	ND	ND		ND		ND	ND	10
Chloroform				0.9	1.2	ND	ND		ND		ND	ND	TH
Dibromochloromethane				1.0	ND	ND	ND		ND		ND	ND	TH
1,2-Dichlorobenzene				ND	ND	ND	ND		ND		ND	ND	60
1,4-Dichlorobenzene				ND	ND	ND	ND		ND		ND	ND	7
1,2-Dichloroethane				ND	ND	ND	ND		ND		ND	ND	5
c-1,2-Dichloroethene				ND	ND	ND	ND		ND		ND	ND	7
t-1,2-Dichloroethene				ND	ND	ND	ND		ND		ND	ND	10
1,1-Dichloroethene				ND	ND	ND	ND		ND		ND	ND	7
1,2-Dichloropropane				ND	ND	ND	ND		ND		ND	ND	5
Ethylbenzene				ND	ND	ND	ND		ND		ND	ND	70
Styrene				ND	ND	ND	ND		ND		ND	ND	10
Tetrachloroethene				ND	ND	ND	ND		ND		ND	ND	5
Toluene				ND	ND	ND	ND		ND		ND	ND	10
1,1,1-Trichloroethane				ND	ND	ND	ND		ND		ND	ND	20
Trichloroethene				ND	ND	ND	ND		ND		ND	ND	5
m. & p-Xylene				ND	ND	ND	ND		ND		ND	ND	10,0
o-Xylene				ND	ND	ND	ND		ND		ND	ND	10,0
Vinyl Chloride				ND	ND	ND	ND		ND		ND	ND	2

Analyzed by EPA Method 524.2 or 502.2. All results are expressed in ppb (ug/l).
MCL=Maximum Contaminant Level Set by EPA.
*Regulated as Total Xylenes
THM=Regulated as Total Trihalomethanes. The total of these 4 compounds cannot exceed 100 ppb.
ND = NOT DETECTED AT A DETECTION LIMIT OF 1.0 PPB (ug/l
This laboratory is certified by the Michigan Department of Public Health for the analysis of all regulated VOC's. This includes all VOC's listed on this report.
Reported 03/31/94

City of Kalamazoo – Department of Public Utilities
Summer Well Sampling 1993

Batch ID: SWS93-B Analyst(s): SD / MK

#	Well ID.	Sample Date	Ca	Mg	K	Na	Fe	Mn	Co	Si	Cd	Cr	Cu	Pb	Ni	Zn	Ag	As	Se
			Elements																
1	ST3 Well-1	6-24-93	90.3	29.6	1.8	27.9	317	96	5	6.5	0.3	-1.3	9.8	2.22	-0.1	12.5	-1.9	-0.06	0.80
2	" 2	6-26-93	89.3	29.9	1.8	35.2	301	136	-1	6.6	-0.2	-0.7	7.4	2.26	0.2	13.0	-1.4	0.28	-0.55
3	" 3	6-28-93	93.8	31.3	2.1	34.7	524	99	-3	6.6	-0.2	-0.7	10.0	5.00	-0.3	26.8	-0.9	0.80	-1.13
4	" 4	6-26-93	103	32.5	2.2	51.4	152	38	-2	6.5	-0.1	0.0	7.2	10.29	-0.2	12.5	-1.0	0.48	-1.37
5	" 5	6-28-93	90.6	30.4	1.2	15.9	1030	103	-2	6.9	-0.1	-1.0	14.8	5.58	-0.2	16.9	-2.2	1.28	-1.45
6	ST4 Well 3	7-28-93	70.4	26.3	1.2	12.7	908	63	1	7.1	-0.2	-1.0	20.5	1.88	-0.7	23.3	-1.4	5.44	-1.02
7	" 5	↓	63.2	26.8	1.4	24.1	816	48	-2	7.2	-0.0	-0.6	7.7	1.60	-0.4	13.0	-1.9	4.79	-0.89
8	" 9	↓	91.8	30.9	1.7	32.3	610	80	-5	6.8	-0.2	0.1	99.2	2.98	-0.7	27.0	-1.0	0.12	0.26
9	" 10	↓	77.0	28.2	1.6	23.4	2450	89	0	7.7	0.2	0.6	421	32.59	1.7	401	-0.3	4.54	-1.19
10	" Raw	7-9-93	90.6	30.6	1.2	17.3	368	128	-3	8.2	-0.2	-0.3	1620	14.04	4.4	361	0.6	1.08	-1.57
11	ST5 Well 2	7-28-93	116	34.8	1.9	27.3	1150	255	0	6.6	-0.2	-0.5	73.9	2.42	1.12	16.7	0.5	0.58	-1.64
12	" 4	↓	127	34.9	2.3	26.5	38	20	0	7.2	0.1	-0.8	236	2.12	6.3	7.6	0.0	0.10	-0.66
13	Raw 1	↓	121	33.6	2.0	27.4	793	417	-3	6.1	-0.1	0.1	5.9	1.61	1.2	15.6	-0.2	0.89	-1.95
14	" 2	↓	122	35.4	2.2	26.4	729	162	0	6.9	0.1	-0.3	81.8	1.95	0.96	8.2	1.9	1.27 / 0.27	0.74
15	ST7 Well 1	7-1-93	100	33.7	1.7	25.6	1250	129	-3	7.3	-0.1	-0.7	5.2	2.06	0.1	7.0	0.8	3.41	-2.50
16	" 2	↓	107	35.6	2.1	32.2	1410	144	-2	6.8	-0.2	-0.4	3.4	2.07	2.4	5.0	-0.0	4.03 / -0.59	-1.02
17	ST8 Well 1	8-4-93	74.4	24.0	1.2	9.0	1340	157	3	8.4	0.2	0.2	37.3	2.33	-0.6	40.0	0.6	10.34 / 8.67	-2.20
18	2	↓	82.8	26.8	1.4	13.4	1170	204	1	8.0	0.1	-0.1	19.8	2.23	0.9	26.7	-1.5	7.45	-3.27
19	3	↓	77.8	0.5	1.4	23.3	1230	224	-3	7.6	0.2	0.6	10.3	9.56	-0.5	28.3	-1.7	2.60 / 61.57	-5.74
20	4	↓	81.1	28.8	1.6	25.3	1090	238	-5	7.6	0.3	0.1	20.8	4.48	0.0	26.3	-0.7	1.88	-3.62
21	5	↓	99.0	35.2	1.9	36.1	632	333	-2	7.5	0.4	0.3	10.6	7.27	-0.2	15.8	0.2	1.65 / 67.25	1.99
22	Raw	↓	86.2	29.8	1.4	23.3	977	250	-3	7.8	0.1	-0.2	19.0	2.01	-0.0	13.7	0.1	2.81	-3.39
23																			
24																			
25																			

QUALITY CONTROL

	CVS SKA		X	X	X	X	X	X	X	X	X	X	X	23.40	X	X	X	76.71	
*	CVS SKB		X	X	X	X	X	X	X	X	26.8	105	137	X	256	268	24.6	78.34	X
	CVS SKC										X	X	X	X	X	X	X	X	X
	CV--1	(SPEX)								—	117	244	619	X	895	512	237	X	X
		T.V.	(250)	(250)	(250)	(250)	(5000)	(750)	(2500)	(0)	(125)	(250)	(6.25)	(~~250~~)	(1000)	500	250	—	—
	ICSAB									—	303	316	322	—	282	325	303	—	—
		TV								(0)	(300)	(300)	(300)	—	(300)	(300)	(300)	—	—

DUPLICATES

* 7	23	ST3 Well 1 X	6-24-93	94.3	29.6	2.3	28.4	300	88	-6	6.6	0.5	0.0	10.1	2.18	-0.3	13.1	-.7	0.56 / 96.73	-1.98
8	24	ST4 Well 3	7-28-93	71.2	27.6	0.968	13.1	949	67	-6	7.6	0.1	0.2	21.4	1.41	-0.4	24.2	-0.7	5.23	-3.33
9	25	ST5 Well 2	7-28-93	118	36.4	2.1	28.0	1190	267	-7	6.9	0.2	-0.1	74.6	2.13	0.4	15.9	0.4	0.31	-2.80
10	26	ST7 Well 1	7-1-93	103	35.5	1.8	27.9	1,300	134	3	7.7	0.1	0.2	6.4	1.62	0.7	6.4	-0.0	2.71	-2.70
11	27	ST8 Well 1	8-4-93	77.3	25.9	1.4	9.4	1,400	159	-5	9.2	0.1	0.1	36.8	2.44	1.2	40.4	-0.3	8.19	0.10

Comments: Ca, Mg, K, Na, and Si reported in mg/L. All others in ug/L.
Ca, Mg, K, Na, Si, Fe, Mn, and Co analyzed by EPA method 200.7.
Cd, Cr, Cu, Ni, Zn, and Ag analyzed by EPA method 200.7 with the USN. (method name = 200.7U)
Pb, As, and Se analyzed by EPA method 200.9.
*CVS-SKB solution prepared at 2X what it should have been. Results shown here are ½ the results obtained for the sample.

Summer Well Sampling Data - 1996

Location	Sample Date	Batch	Cd (ug/L)	Cr (ug/L)	Cu (ug/L)	Pb (ug/L)	Ni (ug/L)	Zn (ug/L)	Ag (ug/L)	Hg (ug/L)	As (ug/L)	Se (ug/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Na (mg/L)	Fe (ug/L)	Mn (ug/L)	Co (ug/L)
CAND	06/06/9	AIU	< 10	< 40	74	< 1.0	< 40	58	< 10	< 0.5	< 2.0	< 5.0	81	26	1.2	21	680	160	< 50
FS1	06/04/9	All	< 10	< 40	< 40	< 1.0	< 40	11	< 10	< 0.5	< 2.0	< 5.0	96	33	2.3	51.2	< 50	< 5	< 50
FS3	06/05/9	All	< 10	< 40	121	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	83	26	1.5	15.4	< 50	< 5	< 50
FS6	06/04/9	All	< 10	< 40	196	<1.0	< 40	< 10	< 10	< 0.5	3.1	< 5.0	78	30	1.2	15.2	296	16	< 50
KVCC	06/04/9	All	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	54	20	< 1.0	5.8	184	< 5	< 50
PAR	06/04/9	All	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	77	25	1	6.6	< 50	< 5	< 50
S01 Raw	05/17/9	AIA	< 10	< 40	< 40	< 1.0	< 40	34	< 10	< 0.5	< 2.0	< 5.0	99	32	2	45	474	148	< 50
S01 W01	05/17/9	AIA	< 10	< 40	< 40	< 1.0	< 40	27	< 10	< 0.5	< 2.0	< 5.0	101	35	2.1	52	551	171	< 50
S01 W02	05/17/9	AIA	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	104	34	2.5	57	1100	185	< 50
S01 W03	05/17/9	AIA	< 10	< 40	< 40	< 1.0	< 40	10	< 10	< 0.5	< 2.0	< 5.0	99	29	2.6	36	< 30	100	< 50
S01 W05	05/17/9	AIA	< 10	< 40	< 40	< 1.0	< 40	15	< 10	< 0.5	< 2.0	< 5.0	85	29	1.6	31	426	135	< 50
S02 W01	06/05/9	All	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	78	33	3.7	73.3	< 50	< 5	< 50
S03 W07	05/20/9	AIA	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	101	30	2.1	65	75	36	< 50
S03 W08	05/20/9	AIA	< 10	< 40	< 40	1.3	< 40	15	< 10	< 0.5	< 2.0	< 5.0	94	29	1.6	48	105	70	< 50
Sta 4 → S04 W03	05/20/9	AIA	< 10	< 40	< 40	< 1.0	< 40	41	< 10	< 0.5	6.5	< 5.0	73	27	1	13.4	1200	76	< 50
S04 W07	06/04/9	All	< 10	< 40	< 40	18.7	< 40	286	< 10	< 0.5	2.7	< 5.0	93	34	1.6	12.5	1670	139	< 50
S04 W09	06/04/9	All	< 10	< 40	< 40	3.4	< 40	253	< 10	< 0.5	2.7	< 5.0	67	26	1.2	13.2	1270	190	< 50
S04 W10	05/28/9	AIA	< 10	< 40	104	3.3	< 40	287	< 10	< 0.5	4.6	< 5.0	73	27	< 1.0	19	910	61	< 50
S05 W03	05/28/9	AIA	< 10	< 40	46	< 1.0	< 40	14	< 10	< 0.5	< 2.0	< 5.0	122	34	2.2	28.2	617	382	< 50
S05 W04	05/28/9	AIA	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	114	31	1.5	26	681	263	< 50
S07 W02	05/20/9	AIA	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	3.4	< 5.0	98	32	1.7	30	1170	133	< 50
S08 W01A	05/23/9	AIA	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	9	< 5.0	87	27	< 1.0	10.5	1470	168	< 50
S08 W02	05/23/9	AIA	< 10	< 40	< 40	5.3	< 40	14	< 10	< 0.5	5.1	< 5.0	79	25	< 1.0	11.6	1000	192	< 50
S08 W03	05/24/9	AIA	< 10	< 40	< 40	< 1.0	< 40	15	< 10	< 0.5	4.1	< 5.0	82	26	< 1.0	15	1060	210	< 50
S08 W04	05/24/9	AIA	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	85	27	< 1.0	21	1160	246	< 50
S08 W05	05/24/9	AIA	< 10	< 40	< 40	1.5	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	94	31	< 1.0	42	556	296	< 50
S08 W06	05/24/9	AIA	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	80	27	< 1.0	18	774	271	< 50
S09 W07	06/05/9	All	< 10	< 40	< 40	3.2	< 40	11	< 10	< 0.5	25.9	< 5.0	64	23	1.2	22.5	1130	207	< 50
S09 W08	06/12/9	All	< 10	< 40	< 40	4.5	< 40	12	< 10	< 0.5	16.8	< 5.0	67	24	1.5	23.3	2020	199	< 50
S09 W09	05/22/9	AIA	< 10	< 40	56	80	441	301	< 10	< 0.5	10.6	< 5.0	64	23	1.2	22	759	169	< 50
S09 W09	07/11/9	AJS	---	---	< 40	14	---	---	---	---	---	---	---	---	---	---	---	---	---
S09 W12	05/22/9	AIA	< 10	< 40	97	54	181	557	< 10	< 0.5	2.6	< 5.0	64	21	< 1.0	54	343	176	< 50
S09 W12	07/11/9	AJS	---	---	< 40	9.9	---	---	---	---	---	---	---	---	---	---	---	---	---
S14 W03	05/24/9	AIU	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	76	26	1.7	30.8	< 30	39	< 50
S17 W01	05/29/9	AIU	< 10	< 40	61	< 1.0	< 40	< 10	< 10	< 0.5	3.5	< 5.0	76	22	1.1	8.5	620	168	< 50
S18 W01	06/05/9	All	< 10	< 40	< 40	9	< 40	< 10	< 10	< 0.5	2.5	< 5.0	84	25	1.1	5.1	312	249	< 50
S18 W02	06/05/9	All	< 10	< 40	< 40	1.1	< 40	< 10	< 10	< 0.5	2.5	< 5.0	66	19	< 1.0	12.9	1310	52	< 50
S22 W04	05/20/9	AIU	< 10	< 40	< 40	< 1.0	< 40	13	< 10	< 0.5	< 2.0	< 5.0	70	26	< 1.0	3.6	< 30	243	< 50
S24 W08	06/03/9	All	< 10	< 40	< 40	18.7	< 40	189	< 10	< 0.5	< 2.0	< 5.0	62	21	< 1.0	5	1470	44	< 50
S24 W09	06/03/9	All	< 10	< 40	< 40	1.3	< 40	12	< 10	< 0.5	< 2.0	< 5.0	63	21	< 1.0	6.5	1560	52	< 50
S24 W10	06/03/9	All	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	57	19	< 1.0	6.3	1190	42	< 50
S24 W12	06/03/9	All	< 10	< 40	< 40	1.2	< 40	12	< 10	< 0.5	< 2.0	< 5.0	56	21	< 1.0	4.4	762	54	< 50
S24 W16	06/03/9	All	< 10	< 40	< 40	< 1.0	< 40	20	< 10	< 0.5	3.4	< 5.0	54	18	< 1.0	3.2	1670	44	< 50
S25 W02	06/12/9	All	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	67	24	< 1.0	6.2	156	19	< 50
S25 W07	05/29/9	AIL	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	75	24	< 1.0	6.5	368	46	< 50
S25 W09	05/29/9	AIL	< 10	< 40	852	< 1.0	< 40	15	< 10	< 0.5	< 2.0	< 5.0	82	25	< 1.0	6.4	60	< 5	< 50
S25 W09	05/30/9	All	< 10	< 40	< 40	< 1.0	< 40	12	< 10	< 0.5	< 2.0	< 5.0	78	25	< 1.0	3.5	< 50	9	< 50
S39 W01	05/03/9	All	< 10	< 40	< 40	< 1.0	< 40	< 10	< 10	< 0.5	< 2.0	< 5.0	84	22	< 1.0	15.6	289	107	< 50

CITY OF KALAMAZOO
SWS_1996.DBF

SUMMER WELL SAMPLING RESULTS

(Results in mg/L, Cond. IN uMOS)

IDENT	DATE	ALKA-LINITY	AMMONIA	CHLORIDE	CONDVTY	FLUORIDE	HDNESS	NITRATE	D_OXY	PH	O- PHOS	SILICATE	SULFATE	TEMP(C)	TDS	COMMENT
S1-RAW	05/17/1996	353	0.060	35.49	0.900	0.129	361	0.38	0.60	7.22	ND	6.66	60.40	13.1		O-PHOS BELOW DETECT
S1-1	05/17/1996	355	0.012	109.35	0.972	0.123	344	0.32	0.60	7.29	ND	6.53	61.29	14.6		ORTHO-P BELOW DETECT
S1-2	05/17/1996	364	0.926	108.31	0.925	0.132	413	ND	0.85	7.22	ND	6.78	61.16	13.9		BELOW DETECT NO3 & O-PHOS
S1-3	05/17/1996	337	0.022	68.89	0.851	0.129	344	0.51	0.85	7.25	0.09	6.83	61.65	13.5		
S1-5	05/17/1996	317	0.012	55.61	0.728	0.127	344	0.49	1.05	7.34	0.05	6.55	52.94	12.0		
S2-1	06/05/1996	315	0.085	13.83	1.142	0.136	423	ND	2.15	7.74	0.08	6.92	44.21	13.9		NON-DETECT FOR NO3
S3-7	05/20/1996	305	0.021	117.65	1.010	0.110	378	1.44	1.90	7.08	0.06	5.97	53.80	12.5		
S3-8	05/20/1996	303	0.039	ND	0.304	0.117	327	1.60	2.10	7.22	0.05	6.42	53.68	12.7		NON-DETECT FOR Cl
S4-3	05/23/1996	263	0.112	20.13	0.580	0.180	310	ND	0.35	7.25	0.05	7.27	30.16	10.9		NON-DETECT NO3
S4-7	05/23/1996	243	0.056	27.94	0.730	0.150	361	"	0.25	7.01	0.04	7.08	47.99	10.8		NON-DETECT NO3
S4-9	05/23/1996	230	0.091	4.79	0.554	0.201	258	"	0.60	7.22	0.30	7.34	19.40	11.0		NON-DETECT NO3
S4-10	05/23/1996	235	0.105	26.97	0.582	0.212	275	"	1.25	7.19	0.05	7.22	26.52	12.0		NON-DETECT NO3
S5-3	05/23/1996	300	0.121	54.78	0.902	0.154	430	"	0.30	6.99	0.05	6.52	97.57	12.4		NON-DETECT NO3
S5-4	05/23/1996	292	0.081	55.82	0.850	0.134	361	"	1.60	7.03	0.05	6.71	83.14	11.5		NON-DETECT NO3
S7-2	05/20/1996	300	0.092	57.06	0.793	0.145	361	"	8.35	7.39	0.05	6.86	56.78	17.8		NON-DETECT NO3
S8-1A	05/23/1996	265	0.279	22.62	0.626	0.148	327	"	0.55	7.31	0.08	8.06	34.24	12.3		NON-DETECT NO3
S8-2	05/23/1996	234	0.194	31.95	0.598	0.151	275	"	1.05	7.41	0.07	7.62	27.10	11.7		NON-DETECT NO3
S8-3	05/23/1996	252	0.194	43.78	0.632	0.141	310	"	0.20	7.23	0.04	7.46	27.89	11.9		NON-DETECT NO3
S8-4	05/23/1996	273	0.213	46.27	0.176	0.147	327	"	0.35	7.32	0.04	7.46	34.64	12.1		NON-DETECT NO3
S8-5	05/23/1996	284	0.108	93.16	0.768	0.314	344	"	0.30	7.29	0.04	7.25	44.18	12.0		NON-DETECT NO3
S8-6	05/23/1996	240	0.183	42.33	0.588	0.140	327	"	0.30	7.35	0.04	7.41	35.88	11.7		NON-DETECT NO3
S9-7	06/03/1996	220	0.120	19.85	0.497	0.139	292	0.77	0.40	7.81	0.05	5.99	22.62	12.4		
S9-8	06/03/1996	223	0.219	10.16	0.502	0.144	258	0.65	0.65	7.37	0.04	5.92	30.23	13.3		
S9-9	05/23/1996	245	0.114	40.25	0.420	0.142	241	0.19	0.90	7.38	0.07	6.39	18.38	17.0		
S9-12	06/03/1996	200	0.040	38.80	0.565	0.141	241	ND	0.10	7.42	0.07	5.04	22.26	13.1		NON-DETECT NO3
S14-3	05/24/1996	233	0.088	76.77	0.714	0.122	292	1.22	2.70	7.25	0.03	5.43	25.87	11.9		
S17-1	05/23/1996	252	0.121	15.98	0.173	0.202	275	ND	0.45	7.27	0.07	7.75	18.32	13.6		NON-DETECT NO3
S18-1	06/03/1996	252	0.046	1.14	0.617	0.150	327	ND	0.35	7.44	0.61	7.02	23.68	12.3		NON-DETECT NO3
S18-2	06/03/1996	242	0.218	1.56	0.148	0.247	224	ND	0.30	7.76	0.06	7.60	4.53	11.6		NON-DETECT NO3
S22-4	05/23/1996	271	0.025	7.05	0.508	0.159	275	1.34	0.70	7.39	0.04	6.43	53.85	11.9		
S24-8	06/03/1996	205	0.321	12.84	0.486	0.118	241	ND	0.40	7.39	0.07	6.70	26.91	11.3		NON-DETECT NO3
S24-9	06/03/1996	200	0.308	6.57	0.476	0.119	241	ND	0.25	7.57	0.07	6.62	23.40	12.1		
S24-10	06/03/1996	204	0.358	4.20	0.435	0.130	241	ND	0.50	7.59	0.06	6.85	14.85	11.2		NON-DETECT FOR NO3
S24-12	06/03/1996	194	0.158	1.49	0.426	0.149	224	ND	0.65	7.59	0.06	6.87	21.86	11.1		NON-DETECT FOR NO3
S24-16	06/03/1996	142	0.304	4.82	0.418	0.114	224	ND	0.20	7.62	0.05	6.15	22.40	12.8		NON-DETECT FOR NO3
S25-2	06/11/1996	224	0.032	9.96	0.120	0.121	275	0.36	0.40	6.92	0.04	6.04	32.50	9.8		WELL RUN ONLY 10 MIN BEFORE TES
S25-4	05/30/1996	222	0.043	6.85	0.158	0.114	292	3.71	7.35	7.20	0.05	6.59	38.47	12.7		SULFATE RESULTS FROM U16496R1
S25-7	05/29/1996	230	0.035	10.58	0.569	0.117	258	0.25	0.85	6.98	0.03	6.24	40.76	10.7		
S25-9	05/29/1996	282	0.028	10.17	0.169	0.113	310	6.98	7.45	7.14	0.05	6.59	27.87	14.3		
S39-1	05/30/1996	235	0.339	15.85	0.642	0.140	310	1.48	2.05	7.25	0.06	5.97	8.06	10.6		
FS1	06/05/1996	294	0.019	9.54	0.945	0.950	378	0.27	8.65	7.36	0.16	6.84	49.25	15.7	505	
FS3	06/05/1996	233	0.185	2.88	0.650	0.950	327	1.23	2.15	7.76	0.41	6.38	30.36	15.0	328	
FS6	06/05/1996	52	0.016	2.92	0.650	0.913	292	ND	1.30	7.04	0.15	7.33	32.88	16.6	322	NON-DETECT FOR NO3
CAN	06/05/1996	274	0.070	4.44	0.644	0.640	310	ND	0.90	7.39	0.10	7.57	36.53	14.0	352	NON-DETECT FOR NO3
PKR	06/05/1996	43	0.026	1.48	0.578	0.851	292	1.32	1.95	7.16	0.18	6.68	32.12	13.2	301	
KVC	06/05/1996	202	0.071	1.41	0.438	1.220	241	ND	0.65	7.19	0.10	7.03	15.12	13.3	216	NON-DETECT FOR NO3
AVERAGE		251	0.137	31.21	0.590	0.248	306	1.29	1.47	7.32	0.09	6.76	36.69	12.7	337	
HIGHEST		365	0.926	117.65	1.142	1.220	430	6.98	8.65	7.81	0.61	8.06	97.57	17.8	505	
LOWEST		43	0.012	1.14	0.120	0.110	224	0.19	0.10	6.92	0.03	5.04	4.53	9.8	216	

Sta 4

CITY OF KALAMAZOO TRACE ORGANICS LABORATORY REPORT
SUMMER WELL STUDY 1996

SUMMER WELL SAMPLES 1996
Analyzed by EPA Method 524.2

Sample Location:			4-3	4-7	4-9	4-10
Sample Date:			5/28/1996	6/4/1996	6/4/1996	5/28/1996
Sampled by			TC	TC	TC	TC
Analysis Date			5/28/1996	6/7/1996	6/7/1996	5/28/1996
Analyzed by			KL	KL	KL	KL
	MDL	MCL				
Dichlorodifluoromethane	0.3		ND	ND	ND	ND
Chloromethane	0.6		ND	ND	ND	ND
Vinyl Chloride	0.2	2	ND	ND	ND	ND
Bromomethane	0.4		ND	ND	ND	ND
Chloroethane	0.4		ND	ND	ND	ND
Trichlorofluoromethane	0.2		ND	ND	ND	ND
Diethyl Ether	0.5		ND	ND	ND	ND
1,1-Dichloroethene	0.3	7	ND	ND	ND	ND
Acetone	0.8		ND	ND	ND	ND
Iodomethane	0.6		ND	ND	ND	ND
Carbon Disulfide	1.1		ND	ND	ND	ND
Allyl Chloride	0.3		ND	ND	ND	ND
Methylene Chloride	0.4	5	ND	ND	ND	ND
Acrylonitrile	1.0		ND	ND	ND	ND
t-1,2-Dichloroethene	0.3	100	ND	ND	ND	ND
Methyl -t-Butyl Ether	**0.4**		**ND**	**ND**	**ND**	**ND**
1,1-Dichloroethane	0.2		ND	ND	ND	ND
2,2-Dichloropropane	1.0		ND	ND	ND	ND
c-1,2-Dichloroethene	**0.2**	**70**	**ND**	**ND**	**ND**	**ND**
Methyl Ethyl Ketone	0.8		ND	ND	ND	ND
Propionitrile	0.3		ND	ND	ND	ND
Methyl Acrylate	0.3		ND	ND	ND	ND
Bromochloromethane	0.3		ND	ND	ND	ND
Methacrylonitrile	0.3		ND	ND	ND	ND
Tetrahydrofuran	0.5		ND	ND	ND	ND
Chloroform	**0.2**	**TTHM***	**ND**	**ND**	**ND**	**ND**
1,1,1-Trichloroethane	0.3	200	ND	ND	ND	ND
n-Butyl Chloride	0.3		ND	ND	ND	ND
Carbon Tetrachloride	0.1	5	ND	ND	ND	ND
1,1-Dichloropropene	0.2		ND	ND	ND	ND
Benzene	0.2	5	ND	ND	ND	ND
1,2-Dichloroethane	0.3	5	ND	ND	ND	ND
Trichloroethene	0.1	5	ND	ND	ND	ND
1,2-Dichloropropane	0.4	5	ND	ND	ND	ND
Dibromomethane	0.3		ND	ND	ND	ND
Methyl Methacrylate	0.2		ND	ND	ND	ND
Bromodichloromethane	**0.3**	**TTHM***	**ND**	**ND**	**ND**	**ND**
2-Nitropropane	0.3		ND	ND	ND	ND
Chloroacetonitrile	0.4		ND	ND	ND	ND
c-1,3-Dichloropropene	0.2		ND	ND	ND	ND
4-Methyl 2-Pentanone	0.3		ND	ND	ND	ND
Ethyl Methacrylate	0.3		ND	ND	ND	ND
Dichloroacetone	0.3		ND	ND	ND	ND
Toluene	0.2	1000	ND	ND	ND	ND
t-1,3-Dichloropropene	0.2		ND	ND	ND	ND
1,1,2-Trichloroethane	0.3	5	ND	ND	ND	ND
Tetrachloroethene	0.4	5	ND	ND	ND	ND
1,3-Dichloropropane	0.2		ND	ND	ND	ND
Methyl Butyl Ketone	0.4		ND	ND	ND	ND

ND = Not Detected at MDL (Method Detection Limit)
Units are ppb (ug/L)
MCL = Maximum Contaminant Level (Set by EPA)

SUMMER WELL SAMPLES 1996

Analyzed by EPA Method 524.2

Sample Location:			4-3	4-7	4-9	4-10
Sample Date:			5/28/1996	6/4/1996	6/4/1996	5/28/1996
Sampled by			TC	TC	TC	TC
Analysis Date			5/28/1996	6/7/1996	6/7/1996	5/28/1996
Analyzed by			KL	KL	KL	KL
	MDL	*MCL*				
Dibromochloromethane	***0.3***	***TTHM****	**ND**	**ND**	**ND**	**ND**
1,2-Dibromoethane	*0.1*		ND	ND	ND	ND
Chlorobenzene	*0.3*	***100***	ND	ND	ND	ND
1,1,1,2-Tetrachloroethene	*0.3*		ND	ND	ND	ND
Ethylbenzene	*0.1*	***700***	ND	ND	ND	ND
m&p-Xylene	*0.3*	***XYLENES*****	ND	ND	ND	ND
o-Xylene	*0.1*	***XYLENES*****	ND	ND	ND	ND
Styrene	*0.2*	***100***	ND	ND	ND	ND
Bromoform	***0.2***	***TTHM****	**ND**	**ND**	**ND**	**ND**
Isopropyl Benzene	*0.2*		ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	*0.2*		ND	ND	ND	ND
1,2,3-Trichloropropane	*0.2*		ND	ND	ND	ND
Bromobenzene	*0.2*		ND	ND	ND	ND
T-1,4-Dichloro-2-Butene	*0.7*		ND	ND	ND	ND
n-Propyl Benzene	*0.1*		ND	ND	ND	ND
2-Chloro Toluene	*0.2*		ND	ND	ND	ND
1,3,5-Trimethyl Benzene	*0.2*		ND	ND	ND	ND
4-Chloro Toluene	*0.2*		ND	ND	ND	ND
t-Butyl Benzene	*0.2*		ND	ND	ND	ND
1,2,4-Trimethyl Benzene	*0.3*		ND	ND	ND	ND
Pentachloroethane	*1.0*		ND	ND	ND	ND
sec-Butyl Benzene	*0.1*		ND	ND	ND	ND
p-Isopropyl Toluene	*0.1*		ND	ND	ND	ND
1,4-Dichlorobenzene	*0.2*	***75***	ND	ND	ND	ND
1,3-Dichlorobenzene	*0.2*		ND	ND	ND	ND
n-Butyl Benzene	*0.3*		ND	ND	ND	ND
1,2-Dichlorobenzene	*0.2*	***600***	ND	ND	ND	ND
Hexachloroethane	*0.3*		ND	ND	ND	ND
1,2-Dibromo-3-Chloro Propane	*0.3*		ND	ND	ND	ND
Nitrobenzene	*1.0*		ND	ND	ND	ND
1,2,4-Trichlorobenzene	*0.1*	***70***	ND	ND	ND	ND
Hexachlorobutadiene	*0.3*		ND	ND	ND	ND
Naphthalene	*0.3*		ND	ND	ND	ND
1,2,3-Trichloro Benzene	*0.1*		ND	ND	ND	ND

**TTHM = Regulated as Total Trihalomethanes with the total not to exceed 100 ug/L.*
***XYLENES = Regulated as Total Xylenes with the total not to exceed 10,000 ug/L.*

ND = Not Detected at MDL (Method Detection Limit)
Units are ppb (ug/L)
MCL = Maximum Contaminant Level (Set by EPA)

RUNNING STATIONS

Sample Location:			STATION 2	STATION 3	STATION 4
Sample Date:			8/12/1997	8/4/1997	8/11/1997
Sampled by:			GT	GT	RD
Analysis Date:			8/13/1997	8/8/1997	8/11/1997
Analyzed by:			KL	KL	KL
	MDL	MCL			
WARNING NOTICES:					
Dichlorodifluoromethane	0.3		ND	ND	ND
Chloromethane	0.6		ND	ND	ND
Vinyl Chloride	0.2	2	ND	ND	ND
Bromomethane	0.4		ND	ND	ND
Chloroethane	0.4		ND	ND	ND
Trichlorofluoromethane	0.2		ND	ND	ND
Diethyl Ether	0.5		ND	ND	ND
1,1-Dichloroethene	0.3	7	ND	ND	ND
Acetone	0.8		ND	ND	ND
Iodomethane	0.6		ND	ND	ND
Carbon Disulfide	1.1		ND	ND	ND
Allyl Chloride	0.3		ND	ND	ND
Methylene Chloride	0.4	5	ND	ND	ND
Acrylonitrile	1.0		ND	ND	ND
t-1,2-Dichloroethene	0.3	100	ND	ND	ND
Methyl -t-Butyl Ether	**0.4**		**0.7**	**ND**	**ND**
1,1-Dichloroethane	0.2		ND	ND	ND
2,2-Dichloropropane	1.0		ND	ND	ND
c-1,2-Dichloroethene	0.2	70	ND	ND	ND
Methyl Ethyl Ketone	0.8		ND	ND	ND
Propionitrile	0.3		ND	ND	ND
Methyl Acrylate	0.3		ND	ND	ND
Bromochloromethane	0.3		ND	ND	ND
Methacrylonitrile	0.3		ND	ND	ND
Tetrahydrofuran	0.5		ND	ND	ND
Chloroform	**0.2**	**TTHM***	**ND**	**ND**	**ND**
1,1,1-Trichloroethane	0.3	200	ND	ND	ND
n-Butyl Chloride	0.3		ND	ND	ND
Carbon Tetrachloride	0.1	5	ND	ND	ND
1,1-Dichloropropene	0.2		ND	ND	ND
Benzene	0.2	5	ND	ND	ND
1,2-Dichloroethane	0.3	5	ND	ND	ND
Trichloroethene	0.1	5	ND	ND	ND
1,2-Dichloropropane	0.4	5	ND	ND	ND
Dibromomethane	0.3		ND	ND	ND
Methyl Methacrylate	0.2		ND	ND	ND
Bromodichloromethane	**0.3**	**TTHM***	**ND**	**ND**	**ND**
2-Nitropropane	0.3		ND	ND	ND
Chloroacetonitrile	0.4		ND	ND	ND
c-1,3-Dichloropropene	0.2		ND	ND	ND
4-Methyl 2-Pentanone	0.3		ND	ND	ND
Ethyl Methacrylate	0.3		ND	ND	ND
Dichloroacetone	0.3		ND	ND	ND
Toluene	0.2	1000	ND	ND	ND
t-1,3-Dichloropropene	0.2		ND	ND	ND
1,1,2-Trichloroethane	0.3	5	ND	ND	ND
Tetrachloroethene	0.4	5	ND	ND	ND
1,3-Dichloropropane	0.2		ND	ND	ND
Methyl Butyl Ketone	0.4		ND	ND	ND
Dibromochloromethane	**0.3**	**TTHM***	**ND**	**ND**	**ND**

MCL = Maximum Contaminant Level Set by EPA
ND = Not Detected at MDL (Method Detection Limit)
EPA Method 524.2, results are expressed in PPB (ug/l).
NA = Data Not Available, Parameter failed to meet acceptable QC criteria.

PARTIAL CHEMICAL REPORT
CITY OF KALAMAZOO LABORATORY
PAGE:

IDENT COMMENT	DATE	RDATE	FLUORIDE	NITRATE	NITRITE	ANTIMONY	BERYLLIUM	NICKEL	THALLIUM
1	160	06/09/1997	0.794	0.44	<0.02	<0.1	<0.005	<0.02	<0.05
11	160	06/09/1997	1.210	0.22	<0.02	<0.1	<0.005	<0.02	<0.05
12	160	06/09/1997	1.010	<0.02	<0.02				
14	160	06/09/1997	1.140	1.31	<0.02	<0.1	<0.005	<0.02	<0.05
17	161	06/10/1997	0.163	0.01	<0.02				
18	160	06/09/1997	0.221	<0.02	<0.02				
2	161	06/10/1997	1.350	0.01	<0.02				
22	160	06/09/1997	1.060	0.42	<0.02				
24	160	06/09/1997	1.010	<0.02	<0.02				
25	160	06/09/1997	1.060	1.60	<0.02				
3	160	06/09/1997	1.270	0.68	<0.02	<0.1	<0.005	<0.02	<0.05
39	160	06/09/1997	1.110	1.47	<0.02				
Sta 4 -> 4	160	06/09/1997	1.020	0.01	<0.02	<0.1	<0.005	<0.02	<0.05
5	160	06/09/1997	1.030	0.66	<0.02	<0.1	<0.005	<0.02	<0.05
8	161	06/10/1997	1.060	0.01	<0.02				
9	160	06/09/1997	1.210	<0.02	<0.02				

ALL RESULTS ARE IN mg/L

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *002746*
Date Reported : *07/05/00*

Project Desc. : *Analysis of 13 drinking water samples (C-of-C #5660-5684).*

Sample ID : *"Well 4-4, 15900"*
Sampled By : *TC of KWRP*
Sample Date : *06/07/2000*
Sample Time : *10:30am*

Date Received : *06/08/2000*
Sample Type : *SDWA*
KAR Sample No. : *002746-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 245.2	06/21/00	MTM	
Prep, metals	Completed		EPA 30xx,200.x	06/09/00	MTM	
Arsenic, total, low level	<2	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.05 mg/L
Cadmium, total	<10	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.005 mg/L
Calcium, total, low level	95,500	ug/L	EPA 200.7	06/22/00	PML	
Chromium, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.1 mg/L
Cobalt, total	<50	ug/L	EPA 200.8	06/20/00	DBL	
Copper, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=1.3 mg/L
Iron, total	1370	ug/L	EPA 200.7	06/22/00	PML	MCL*=[0.3 mg/L]
Lead, total	2	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.015 mg/L
Magnesium, total	31,300	ug/L	EPA 200.7	06/22/00	PML	
Manganese, total	131	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[0.05 mg/L]
Mercury, total	<0.5	ug/L	EPA 245.2	06/22/00	MTM	MCL*=0.002 mg/L
Nickel, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.1 mg/L
Potassium, total	1300	ug/L	EPA 200.7	06/22/00	PML	
Selenium, total	<5	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.05 mg/L
Silver, total	<10	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[0.1 mg/L]
Sodium, total	19,000	ug/L	EPA 200.7	06/26/00	PML	MCL*=[20 mg/L]
Zinc, total	<10	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[5 mg/L]

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *002746*
Date Reported : *07/05/00*

Project Desc. : *Analysis of 13 drinking water samples (C-of-C #5660-5684).*

Sample ID : *"Well 4-6, 15900"*
Sampled By : *TC of KWRP*
Sample Date : *06/07/2000*
Sample Time : *10:05am*

Date Received : *06/08/2000*
Sample Type : *SDWA*
KAR Sample No. : *002746-08*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 245.2	06/21/00	MTM	
Prep, metals	Completed		EPA 30xx,200.x	06/09/00	MTM	
Arsenic, total, low level	<2	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.05 mg/L
Cadmium, total	<10	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.005 mg/L
Calcium, total, low level	93,200	ug/L	EPA 200.7	06/22/00	PML	
Chromium, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.1 mg/L
Cobalt, total	<50	ug/L	EPA 200.8	06/20/00	DBL	
Copper, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=1.3 mg/L
Iron, total	1200	ug/L	EPA 200.7	06/22/00	PML	MCL*=[0.3 mg/L]
Lead, total	<2	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.015 mg/L
Magnesium, total	31,000	ug/L	EPA 200.7	06/22/00	PML	
Manganese, total	130	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[0.05 mg/L]
Mercury, total	<0.5	ug/L	EPA 245.2	06/22/00	MTM	MCL*=0.002 mg/L
Nickel, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.1 mg/L
Potassium, total	1500	ug/L	EPA 200.7	06/22/00	PML	
Selenium, total	<5	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.05 mg/L
Silver, total	<10	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[0.1 mg/L]
Sodium, total	23,000	ug/L	EPA 200.7	06/26/00	PML	MCL*=[20 mg/L]
Zinc, total	<10	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[5 mg/L]

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *002746*
Date Reported : *07/05/00*

Project Desc. : *Analysis of 13 drinking water samples (C-of-C #5660-5684).*

Sample ID : *"Well 4-8, 15900"*
Sampled By : *TC of KWRP*
Sample Date : *06/07/2000*
Sample Time : *11:00am*

Date Received : *06/08/2000*
Sample Type : *SDWA*
KAR Sample No. : *002746-09*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, Hg	Completed		EPA 245.2	06/21/00	MTM	
Prep, metals	Completed		EPA 30xx,200.x	06/09/00	MTM	
Arsenic, total, low level	5	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.05 mg/L
Cadmium, total	<10	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.005 mg/L
Calcium, total, low level	72,900	ug/L	EPA 200.7	06/22/00	PML	
Chromium, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.1 mg/L
Cobalt, total	<50	ug/L	EPA 200.8	06/20/00	DBL	
Copper, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=1.3 mg/L
Iron, total	820	ug/L	EPA 200.7	06/22/00	PML	MCL*=[0.3 mg/L]
Lead, total	<2	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.015 mg/L
Magnesium, total	27,000	ug/L	EPA 200.7	06/22/00	PML	
Manganese, total	76	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[0.05 mg/L]
Mercury, total	<0.5	ug/L	EPA 245.2	06/22/00	MTM	MCL*=0.002 mg/L
Nickel, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.1 mg/L
Potassium, total	1100	ug/L	EPA 200.7	06/22/00	PML	
Selenium, total	<5	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.05 mg/L
Silver, total	<10	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[0.1 mg/L]
Sodium, total	13,100	ug/L	EPA 200.7	06/26/00	PML	MCL*=[20 mg/L]
Zinc, total	<10	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[5 mg/L]

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *002746*
Date Reported : *07/05/00*

Project Desc. : *Analysis of 13 drinking water samples (C-of-C #5660-5684).*

Sample ID : *"Well 4-9, 15900"*
Sampled By : *TC of KWRP*
Sample Date : *06/07/2000*
Sample Time : *9:45am*

Date Received : *06/08/2000*
Sample Type : *SDWA*
KAR Sample No. : *002746-10*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep. Hg	Completed		EPA 245.2	06/21/00	MTM	
Prep. metals	Completed		EPA 30xx,200.x	06/09/00	MTM	
Arsenic, total, low level	<2	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.05 mg/L
Cadmium, total	<10	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.005 mg/L
Calcium, total, low level	83,900	ug/L	EPA 200.7	06/22/00	PML	
Chromium, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.1 mg/L
Cobalt, total	<50	ug/L	EPA 200.8	06/20/00	DBL	
Copper, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=1.3 mg/L
Iron, total	950	ug/L	EPA 200.7	06/22/00	PML	MCL*=[0.3 mg/L]
Lead, total	2	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.015 mg/L
Magnesium, total	27,000	ug/L	EPA 200.7	06/22/00	PML	
Manganese, total	191	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[0.05 mg/L]
Mercury, total	<0.5	ug/L	EPA 245.2	06/22/00	MTM	MCL*=0.002 mg/L
Nickel, total	<40	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.1 mg/L
Potassium, total	1200	ug/L	EPA 200.7	06/22/00	PML	
Selenium, total	<5	ug/L	EPA 200.8	06/20/00	DBL	MCL*=0.05 mg/L
Silver, total	<10	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[0.1 mg/L]
Sodium, total	19,100	ug/L	EPA 200.7	06/26/00	PML	MCL*=[20 mg/L]
Zinc, total	39	ug/L	EPA 200.8	06/20/00	DBL	MCL*=[5 mg/L]

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

SUMMER WELL PROGRAM

Sample Location:		SUMMER WELLS 2001	STA.1	STA.2	STA.4	STA.5	STA.6	ST.6-1
Sample Date:			6/12/01	6/12/01	6/12/01	6/12/01	6/12/01	6/21/01
Sampled by:			TJW	TJW	TJW	TJW	TJW	TJW
Analysis Date:			6/22/01	6/22/01	6/22/01	6/22/01	6/22/01	6/29/01
Analyzed by:			JB	JB	JB	JB	JB	JB
	MDL	MCL						
WARNING NOTICES:								
Dichlorodifluoromethane	0.5		ND	ND	ND	ND	ND	ND
Chloromethane	0.5		ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.5	2	ND	ND	ND	ND	ND	ND
Bromomethane	0.5		ND	ND	ND	ND	ND	ND
Chloroethane	0.5		ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.5		ND	ND	ND	ND	ND	ND
Diethyl Ether	0.5		ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.5	7	ND	ND	ND	ND	ND	ND
Acetone	0.5		ND	ND	ND	ND	ND	ND
Iodomethane	0.5		ND	ND	ND	ND	ND	ND
Carbon Disulfide	0.5		ND	ND	ND	ND	ND	ND
Allyl Chloride	0.5		ND	ND	ND	ND	ND	ND
Methylene Chloride	0.5	5	ND	ND	ND	ND	ND	ND
Acrylonitrile	0.5		ND	ND	ND	ND	ND	ND
t-1,2-Dichloroethene	0.5	100	ND	ND	ND	ND	ND	ND
Methyl -t-Butyl Ether	0.5		ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.5		ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.5		ND	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	0.5	70	ND	0.8	ND	ND	ND	ND
Methyl Ethyl Ketone	0.5		ND	ND	ND	ND	ND	ND
Propionitrile	0.5		ND	ND	ND	ND	ND	ND
Methyl Acrylate	0.5		ND	ND	ND	ND	ND	ND
Bromochloromethane	0.5		ND	ND	ND	ND	ND	ND
Methacrylonitrile	0.5		ND	ND	ND	ND	ND	ND
Tetrahydrofuran	0.5		ND	ND	ND	ND	ND	ND
Chloroform	0.5	TTHM*	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.5	200	ND	ND	ND	ND	ND	ND
n-Butyl Chloride	0.5		ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.5		ND	ND	ND	ND	ND	ND
Benzene	0.5	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	5	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	5	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.5	5	ND	ND	ND	ND	ND	ND
Dibromomethane	0.5		ND	ND	ND	ND	ND	ND
Methyl Methacrylate	0.5		ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.5	TTHM*	ND	ND	ND	ND	ND	ND
2-Nitropropane	0.5		ND	ND	ND	ND	ND	ND
Chloroacetonitrile	0.5		ND	ND	ND	ND	ND	ND
c-1,3-Dichloropropene	0.5		ND	ND	ND	ND	ND	ND
4-Methyl 2-Pentanone	0.5		ND	ND	ND	ND	ND	ND
Ethyl Methacrylate	0.5		ND	ND	ND	ND	ND	ND
Dichloroacetone	0.5		ND	ND	ND	ND	ND	ND
Toluene	0.5	1000	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	0.5		ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.5	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.5	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.5		ND	ND	ND	ND	ND	ND
Methyl Butyl Ketone	0.5		ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.5	TTHM*	0.7	ND	ND	ND	ND	ND

MCL = Maximum Contaminant Level Set by EPA
ND = Not Detected at MDL (Method Detection Limit)
EPA Method 524.2, results are expressed in PPB (ug/l).
NA = Data Not Available, Parameter failed to meet acceptable QC criteria.

H20MASTERS
7/11/01

SUMMER WELL PROGRAM

Sample Location:		SUMMER WELLS 2001	STA.1	STA.2	STA.4	STA.5	STA.8	ST.8-1
Sample Date:			6/12/01	6/12/01	6/12/01	6/12/01	6/12/01	6/21/01
Sampled by:			TJW	TJW	TJW	TJW	TJW	TJW
Analysis Date:			6/22/01	6/22/01	6/22/01	6/22/01	6/22/01	6/29/01
Analyzed by:			JB	JB	JB	JB	JB	JB
	MDL	MCL						
1,2-Dibromoethane	0.5		ND	ND	ND	ND	ND	ND
Chlorobenzene	0.5	100	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethene	0.5		ND	ND	ND	ND	ND	ND
Ethylbenzene	0.5	700	ND	ND	ND	ND	ND	ND
m&p-Xylene	0.5	XYLENES**	ND	ND	ND	ND	ND	ND
o-Xylene	0.5	XYLENES**	ND	ND	ND	ND	ND	ND
Styrene	0.5	100	ND	ND	ND	ND	ND	ND
Bromoform	0.5	TTHM*	ND	ND	ND	ND	ND	ND
Isopropyl Benzene	0.5		ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachlorethane	0.5		ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.5		ND	ND	ND	ND	ND	ND
Bromobenzene	0.5		ND	ND	ND	ND	ND	ND
T-1,4-Dichloro-2-Butene	0.5		ND	ND	ND	ND	ND	ND
n-Propyl Benzene	0.5		ND	ND	ND	ND	ND	ND
2-Chloro Toluene	0.5		ND	ND	ND	ND	ND	ND
1,3.5-Trimethyl Benzene	0.5		ND	ND	ND	ND	ND	ND
4-Chloro Toluene	0.5		ND	ND	ND	ND	ND	ND
t-Butyl Benzene	0.5		ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	0.5		ND	ND	ND	ND	ND	ND
Pentachloroethane	0.5		ND	ND	ND	ND	ND	ND
sec-Butyl Benzene	0.5		ND	ND	ND	ND	ND	ND
p-Isopropyl Toluene	0.5		ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.5	75	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.5		ND	ND	ND	ND	ND	ND
n-Butyl Benzene	0.5		ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.5	600	ND	ND	ND	ND	ND	ND
Hexachloroethane	0.5		ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloro Propane	0.5		ND	ND	ND	ND	ND	ND
Nitrobenzene	0.5		ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.5	70	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5		ND	ND	ND	ND	ND	ND
Naphthalene	0.5		ND	ND	ND	ND	ND	ND
1,2,3-Trichloro Benzene	0.5		ND	ND	ND	ND	ND	ND
WARNING NOTICES:								

***TTHM = Regulated as Total Trihalomethanes with the total not to exceed 100 ug/L**
****XYLENES= Regulated as Total Xylenes with the total not to exceed 10,000 ug/L.**

MCL = Maximum Contaminant Level Set by EPA
ND = Not Detected at MDL (Method Detection Limit)
EPA Method 524.2, results are expressed in PPB (ug/l).
NA = Data Not Available, Parameter failed to meet acceptable QC criteria.

H20MASTERS
7/11/01

Station 4 Summer Well Analysis Summary
2004

SAMPLE	DATE	4 Raw	4 Booster	4-2	4-3	4-4	4-5
		9/21/2004	9/21/2004	9/21/2004	9/21/2004	9/21/2004	9/21/2004
	SAMPLER	TW	TW	TW	TW	TW	TW
pH	(pH units)	6.5	6.7	7	7.1	7.3	7.2
Temperature	(deg C)	14	14	12	11	11	12
Temperature	(deg F)	57.2	57.2	53.6	51.8	51.8	53.6
Ammonia Nitrogen	(mg/L)	0.450	<0.10	0.100	<0.10	0.110	0.190
Ortho Phosphorus	(mg/L)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chloride	(mg/L)	31.24	32.49	17.49	37.49	36.24	44.99
Fluoride	(mg/L)	0.208	0.816	0.274	0.168	0.177	0.259
Total Hardness	(grains/gal)	17	17	14	18	15	13
Total Hardness	(mg/L CaCO3)	291	291	239	308	257	222
Alkalinity	(mg CaCO3/L)	258	258	236	278	258	236
Conductivity	(umhos/cm)	620	620	515	674	617	592
Total Dissolved Solids	(mg/L)	400	300	400	500	400	300
Dissolved Oxygen	(mg/L)	0.6	4.55	3.15	0.75	1.5	3.35
Nitrate Nitrogen	(mg/L)	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
Nitrite Nitrogen	(mg/L)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Sulfate	(mg/L)	32	32	17	38	28	14
Cadmium	(ug/L)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total Chromium	(ug/L)	<10	<10	<10	<10	<10	<10
Copper	(ug/L)	50	<20	<20	<20	<20	<20
Lead	(ug/L)	<3	<3	<3	<3	<3	4
Nickel	(ug/L)	<20	<20	<20	<20	<20	<20
Zinc	(ug/L)	<20	<20	<20	<20	<20	<20
Silver	(ug/L)	<5	<5	<5	<5	<5	<5
Selenium	(ug/L)	<5	<5	<5	<5	<5	<5
Cobalt	(mg/L)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	(ug/L)	4	4	6	7	3	8
Iron	(ug/L)	900	1060	5400	1170	980	670
Sodium	(mg/L)	17.4	17.7	15.2	16.9	18.9	30.7
Calcium	(mg/L)	72.1	72	54.5	80	73.5	59.5
Magnesium	(mg/L)	27.7	27.7	22.7	29.8	27.9	24.8
Potassium	(mg/L)	1.3	1.3	1.0	1.3	1.4	1.5
Manganese	(mg/L)	0.061	0.061	0.048	0.069	0.078	0.04
Antimony	(ug/L)	<2	<2	<2	<2	<2	<2
Beryllium	(ug/L)	<1	<1	<1	<1	<1	<1
Thallium	(ug/L)	<2	<2	<2	<2	<2	<2
Silicate	(mg/L)	14.30	14.90	14.70	15.10	13.90	14.40

Station 4 Summer Well Analysis Summary
2004

		4-6	4-7	4-8	4-9	4-10
SAMPLE	DATE	9/21/2004	9/21/2004	9/21/2004	9/21/2004	9/21/2004
	SAMPLER	TW	TW	TW	TW	TW
pH	(pH units)	6.6	7.1	6.8	7.3	7.3
Temperature	(deg C)	12	11	12	13	11
Temperature	(deg F)	53.6	51.8	53.6	55.4	51.8
Ammonia Nitrogen	(mg/L)	<0.10	<0.10	<0.10	<0.10	<0.10
Ortho Phosphorus	(mg/L)	<0.10	<0.10	<0.10	<0.10	<0.10
Chloride	(mg/L)	34.99	49.98	27.49	21.24	32.49
Fluoride	(mg/L)	0.185	0.134	0.216	0.177	0.180
Total Hardness	(grains/gal)	16	18	14	14	16
Total Hardness	(mg/L CaCO3)	274	308	239	239	274
Alkalinity	(mg CaCO3/L)	263	278	258	250	267
Conductivity	(umhos/cm)	641	709	566	538	624
Total Dissolved Solids	(mg/L)	300	300	300	200	400
Dissolved Oxygen	(mg/L)	4.9	1.05	2.1	1.5	1.1
Nitrate Nitrogen	(mg/L)	<0.08	<0.08	<0.08	<0.08	<0.08
Nitrite Nitrogen	(mg/L)	<0.04	<0.04	<0.04	<0.04	<0.04
Sulfate	(mg/L)	35	38	25	25	33
Cadmium	(ug/L)	<0.2	0.2	<0.2	<0.2	<0.2
Total Chromium	(ug/L)	<10	<10	<10	<10	<10
Copper	(ug/L)	<20	30	<20	<20	<20
Lead	(ug/L)	6	9	5	<3	<3
Nickel	(ug/L)	<20	<20	<20	<20	<20
Zinc	(ug/L)	<20	140	40	<20	40
Silver	(ug/L)	<5	<5	<5	<5	<5
Selenium	(ug/L)	<5	<5	<5	<5	<5
Cobalt	(mg/L)	<0.02	<0.02	<0.02	<0.02	<0.02
Arsenic	(ug/L)	2	2	5	2	7
Iron	(ug/L)	1240	3010	870	620	1500
Sodium	(mg/L)	17.5	22	16.5	11	15.9
Calcium	(mg/L)	77	81.9	63.4	67.3	74.9
Magnesium	(mg/L)	28.8	29.2	24.9	26.1	29.3
Potassium	(mg/L)	1.4	1.6	1.0	1.2	1.3
Manganese	(mg/L)	0.081	0.102	0.055	0.125	0.063
Antimony	(ug/L)	<2	<2	<2	<2	<2
Beryllium	(ug/L)	<1	<1	<1	<1	<1
Thallium	(ug/L)	<2	<2	<2	<2	<2
Silicate	(mg/L)	13.80	12.90	14.30	14.00	14.70

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-Raw, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0840*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, metals	Completed		EPA 30xx,200.x	09/24/04	DBL	
Antimony, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.006 mg/L
Arsenic, total, low level	0.004	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Beryllium, total, low level	<0.001	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.004 mg/L
Cadmium, total, low level	<0.0002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.005 mg/L
Calcium, total	72.1	mg/L	EPA 200.7	09/28/04	PML	
Chromium, total	<0.01	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Cobalt, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	
Copper, total	0.05	mg/L	EPA 200.8	10/05/04	DBL	MCL*=1.3 mg/L
Iron, total	0.90	mg/L	EPA 200.7	09/28/04	PML	MCL*=[0.3 mg/L]
Lead, total	<0.003	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.015 mg/L
Magnesium, total	27.7	mg/L	EPA 200.7	09/28/04	PML	
Manganese, total	0.061	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.05 mg/L]
Nickel, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Potassium, total	1.3	mg/L	EPA 200.7	09/28/04	PML	
Selenium, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Silver, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.1 mg/L]
Sodium, total	17.4	mg/L	EPA 200.7	09/28/04	PML	MCL*=[20 mg/L]
Thallium, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.002 mg/L
Zinc, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[5 mg/L]
Silicate	14.3	mg/L	SM 4500-Si E	10/05/04	DMC	Analysis does not detect complex silicates.
Sulfate	32	mg/L	EPA 300.0A	09/28/04	MTW	MCL*=[250 mg/L]
Regulated/Unregulated VOC's	See below		EPA 524.2	09/28/04	DLB	
Prep, VOA	Completed		EPA 524.2	09/28/04	DLB	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,1-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=200 ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,2-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,1-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=7 ug/L
1,1-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,4-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
1,2,4-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2-Dibromo-3-chloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.2 ug/L
1,2-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=600 ug/L
1,2-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*
Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-Raw, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0840*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,3,5-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,4-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=75 [5] ug/L
2,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
2-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
4-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Benzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Bromobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromodichloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromoform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Carbon tetrachloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Chlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Chloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloroform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Cis-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
Cis-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dichlorodifluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Ethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=700 ug/L
Ethylene dibromide	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.05 ug/L
Hexachlorobutadiene by 524.2	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Isopropylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
M-and/or p-xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Methylene chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
N-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
N-Propylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Naphthalene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
O-Xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
P-Isopropyltoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Sec-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Styrene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Tert-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Tetrachloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Toluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=1000 ug/L
Trans-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-Raw, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0840*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Trans-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Trichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Trichlorofluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Vinyl chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=2 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-Booster, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0835*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, metals	Completed		EPA 30xx,200.x	09/24/04	DBL	
Antimony, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.006 mg/L
Arsenic, total, low level	0.004	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Beryllium, total, low level	<0.001	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.004 mg/L
Cadmium, total, low level	<0.0002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.005 mg/L
Calcium, total	72.0	mg/L	EPA 200.7	09/28/04	PML	
Chromium, total	<0.01	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Cobalt, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	
Copper, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=1.3 mg/L
Iron, total	1.06	mg/L	EPA 200.7	09/28/04	PML	MCL*=[0.3 mg/L]
Lead, total	<0.003	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.015 mg/L
Magnesium, total	27.7	mg/L	EPA 200.7	09/28/04	PML	
Manganese, total	0.061	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.05 mg/L]
Nickel, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Potassium, total	1.3	mg/L	EPA 200.7	09/28/04	PML	
Selenium, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Silver, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.1 mg/L]
Sodium, total	17.7	mg/L	EPA 200.7	09/28/04	PML	MCL*=[20 mg/L]
Thallium, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.002 mg/L
Zinc, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[5 mg/L]
Silicate	14.9	mg/L	SM 4500-Si E	10/05/04	DMC	Analysis does not detect complex silicates.
Sulfate	32	mg/L	EPA 300.0A	09/28/04	MTW	MCL*=[250 mg/L]
Regulated/Unregulated VOC's	See below		EPA 524.2	09/28/04	DLB	
Prep, VOA	Completed		EPA 524.2	09/28/04	DLB	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,1-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=200 ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,2-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,1-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=7 ug/L
1,1-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,4-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
1,2,4-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2-Dibromo-3-chloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.2 ug/L
1,2-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=600 ug/L
1,2-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-Booster, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0835*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,3,5-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,4-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=75 [5] ug/L
2,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
2-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
4-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Benzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Bromobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromodichloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromoform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Carbon tetrachloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Chlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Chloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloroform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Cis-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
Cis-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dichlorodifluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Ethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=700 ug/L
Ethylene dibromide	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.05 ug/L
Hexachlorobutadiene by 524.2	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Isopropylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
M-and/or p-xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Methylene chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
N-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
N-Propylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Naphthalene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
O-Xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
P-Isopropyltoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Sec-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Styrene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Tert-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Tetrachloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Toluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=1000 ug/L
Trans-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*
Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-Booster, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0835*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Trans-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Trichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Trichlorofluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Vinyl chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=2 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-2, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0907*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, metals	Completed		EPA 30xx,200.x	09/24/04	DBL	
Antimony, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.006 mg/L
Arsenic, total, low level	0.006	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Beryllium, total, low level	<0.001	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.004 mg/L
Cadmium, total, low level	<0.0002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.005 mg/L
Calcium, total	54.5	mg/L	EPA 200.7	09/28/04	PML	
Chromium, total	<0.01	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Cobalt, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	
Copper, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=1.3 mg/L
Iron, total	0.54	mg/L	EPA 200.7	09/28/04	PML	MCL*=[0.3 mg/L]
Lead, total	<0.003	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.015 mg/L
Magnesium, total	22.7	mg/L	EPA 200.7	09/28/04	PML	
Manganese, total	0.048	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.05 mg/L]
Nickel, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Potassium, total	1.0	mg/L	EPA 200.7	09/28/04	PML	
Selenium, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Silver, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.1 mg/L]
Sodium, total	15.2	mg/L	EPA 200.7	09/28/04	PML	MCL*=[20 mg/L]
Thallium, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.002 mg/L
Zinc, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[5 mg/L]
Silicate	14.7	mg/L	SM 4500-Si E	10/05/04	DMC	Analysis does not detect complex silicates.
Sulfate	17	mg/L	EPA 300.0A	09/28/04	MTW	MCL*=[250 mg/L]
Regulated/Unregulated VOC's	See below		EPA 524.2	09/28/04	DLB	
Prep, VOA	Completed		EPA 524.2	09/28/04	DLB	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,1-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=200 ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,2-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,1-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=7 ug/L
1,1-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,4-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
1,2,4-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2-Dibromo-3-chloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.2 ug/L
1,2-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=600 ug/L
1,2-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-2, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0907*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,3,5-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,4-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=75 [5] ug/L
2,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
2-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
4-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Benzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Bromobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromodichloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromoform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Carbon tetrachloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Chlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Chloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloroform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Cis-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
Cis-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dichlorodifluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Ethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=700 ug/L
Ethylene dibromide	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.05 ug/L
Hexachlorobutadiene by 524.2	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Isopropylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
M-and/or p-xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Methylene chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
N-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
N-Propylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Naphthalene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
O-Xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
P-Isopropyltoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Sec-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Styrene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Tert-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Tetrachloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Toluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=1000 ug/L
Trans-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-2, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0907*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Trans-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Trichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Trichlorofluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Vinyl chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=2 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-3, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0917*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep. metals	Completed		EPA 30xx,200.x	09/24/04	DBL	
Antimony, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.006 mg/L
Arsenic, total, low level	0.007	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Beryllium, total, low level	<0.001	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.004 mg/L
Cadmium, total, low level	<0.0002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.005 mg/L
Calcium, total	80.0	mg/L	EPA 200.7	09/28/04	PML	
Chromium, total	<0.01	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Cobalt, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	
Copper, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=1.3 mg/L
Iron, total	1.17	mg/L	EPA 200.7	09/28/04	PML	MCL*=[0.3 mg/L]
Lead, total	<0.003	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.015 mg/L
Magnesium, total	29.8	mg/L	EPA 200.7	09/28/04	PML	
Manganese, total	0.069	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.05 mg/L]
Nickel, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Potassium, total	1.3	mg/L	EPA 200.7	09/28/04	PML	
Selenium, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Silver, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.1 mg/L]
Sodium, total	16.9	mg/L	EPA 200.7	09/28/04	PML	MCL*=[20 mg/L]
Thallium, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.002 mg/L
Zinc, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[5 mg/L]
Silicate	15.1	mg/L	SM 4500-Si E	10/05/04	DMC	Analysis does not detect complex silicates.
Sulfate	38	mg/L	EPA 300.0A	09/28/04	MTW	MCL*=[250 mg/L]
Regulated/Unregulated VOC's	See below		EPA 524.2	09/28/04	DLB	
Prep. VOA	Completed		EPA 524.2	09/28/04	DLB	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,1-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=200 ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,2-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,1-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=7 ug/L
1,1-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,4-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
1,2,4-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2-Dibromo-3-chloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.2 ug/L
1,2-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=600 ug/L
1,2-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-3, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0917*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,3,5-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,4-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=75 [5] ug/L
2,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
2-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
4-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Benzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Bromobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromodichloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromoform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Carbon tetrachloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Chlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Chloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloroform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Cis-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
Cis-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dichlorodifluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Ethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=700 ug/L
Ethylene dibromide	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.05 ug/L
Hexachlorobutadiene by 524.2	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Isopropylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
M-and/or p-xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Methylene chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
N-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
N-Propylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Naphthalene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
O-Xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
P-Isopropyltoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Sec-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Styrene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Tert-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Tetrachloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Toluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=1000 ug/L
Trans-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*
Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-3, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0917*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Trans-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Trichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Trichlorofluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Vinyl chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=2 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*
Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-4, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0930*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, metals	Completed		EPA 30xx,200.x	09/24/04	DBL	
Antimony, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.006 mg/L
Arsenic, total, low level	0.003	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Beryllium, total, low level	<0.001	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.004 mg/L
Cadmium, total, low level	<0.0002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.005 mg/L
Calcium, total	73.5	mg/L	EPA 200.7	09/28/04	PML	
Chromium, total	<0.01	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Cobalt, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	
Copper, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=1.3 mg/L
Iron, total	0.98	mg/L	EPA 200.7	09/28/04	PML	MCL*=[0.3 mg/L]
Lead, total	<0.003	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.015 mg/L
Magnesium, total	27.9	mg/L	EPA 200.7	09/28/04	PML	
Manganese, total	0.078	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.05 mg/L]
Nickel, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Potassium, total	1.4	mg/L	EPA 200.7	09/28/04	PML	
Selenium, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Silver, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.1 mg/L]
Sodium, total	18.9	mg/L	EPA 200.7	09/28/04	PML	MCL*=[20 mg/L]
Thallium, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.002 mg/L
Zinc, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[5 mg/L]
Silicate	13.9	mg/L	SM 4500-Si E	10/05/04	DMC	Analysis does not detect complex silicates.
Sulfate	28	mg/L	EPA 300.0A	09/28/04	MTW	MCL*=[250 mg/L]
Regulated/Unregulated VOC's	See below		EPA 524.2	09/28/04	DLB	
Prep, VOA	Completed		EPA 524.2	09/28/04	DLB	
1,1,1 2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,1-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=200 ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,2-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,1-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=7 ug/L
1,1-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,4-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
1,2,4-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2-Dibromo-3-chloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.2 ug/L
1,2-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=600 ug/L
1,2-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-4, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0930*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,3,5-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,4-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=75 [5] ug/L
2,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
2-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
4-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Benzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Bromobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromodichloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromoform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Carbon tetrachloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Chlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Chloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloroform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Cis-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
Cis-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dichlorodifluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Ethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=700 ug/L
Ethylene dibromide	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.05 ug/L
Hexachlorobutadiene by 524.2	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Isopropylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
M-and/or p-xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Methylene chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
N-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
N-Propylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Naphthalene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
O-Xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
P-Isopropyltoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Sec-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Styrene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Tert-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Tetrachloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Toluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=1000 ug/L
Trans-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*
Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-4, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0930*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Trans-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Trichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Trichlorofluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Vinyl chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=2 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*
Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-5, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0920*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, metals	Completed		EPA 30xx,200.x	09/24/04	DBL	
Antimony, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.006 mg/L
Arsenic, total, low level	0.008	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Beryllium, total, low level	<0.001	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.004 mg/L
Cadmium, total, low level	<0.0002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.005 mg/L
Calcium, total	59.5	mg/L	EPA 200.7	09/28/04	PML	
Chromium, total	<0.01	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Cobalt, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	
Copper, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=1.3 mg/L
Iron, total	0.67	mg/L	EPA 200.7	09/28/04	PML	MCL*=[0.3 mg/L]
Lead, total	0.004	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.015 mg/L
Magnesium, total	24.8	mg/L	EPA 200.7	09/28/04	PML	
Manganese, total	0.040	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.05 mg/L]
Nickel, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Potassium, total	1.5	mg/L	EPA 200.7	09/28/04	PML	
Selenium, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Silver, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.1 mg/L]
Sodium, total	30.7	mg/L	EPA 200.7	09/28/04	PML	MCL*=[20 mg/L]
Thallium, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.002 mg/L
Zinc, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[5 mg/L]
Silicate	14.4	mg/L	SM 4500-Si E	10/05/04	DMC	Analysis does not detect complex silicates.
Sulfate	14	mg/L	EPA 300.0A	09/28/04	MTW	MCL*=[250 mg/L]
Regulated/Unregulated VOC's	See below		EPA 524.2	09/28/04	DLB	
Prep, VOA	Completed		EPA 524.2	09/28/04	DLB	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,1-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=200 ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,2-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,1-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=7 ug/L
1,1-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,4-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
1,2,4-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2-Dibromo-3-chloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.2 ug/L
1,2-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=600 ug/L
1,2-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-5, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0920*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,3,5-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,4-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=75 [5] ug/L
2,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
2-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
4-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Benzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Bromobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromodichloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromoform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Carbon tetrachloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Chlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Chloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloroform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Cis-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
Cis-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dichlorodifluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Ethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=700 ug/L
Ethylene dibromide	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.05 ug/L
Hexachlorobutadiene by 524.2	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Isopropylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
M-and/or p-xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Methylene chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
N-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
N-Propylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Naphthalene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
O-Xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
P-Isopropyltoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Sec-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Styrene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Tert-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Tetrachloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Toluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=1000 ug/L
Trans-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project
Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-5, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0920*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Trans-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Trichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Trichlorofluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Vinyl chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=2 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*
Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-6, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0855*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, metals	Completed		EPA 30xx,200.x	09/24/04	DBL	
Antimony, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.006 mg/L
Arsenic, total, low level	0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Beryllium, total, low level	<0.001	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.004 mg/L
Cadmium, total, low level	<0.0002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.005 mg/L
Calcium, total	77.0	mg/L	EPA 200.7	09/28/04	PML	
Chromium, total	<0.01	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Cobalt, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	
Copper, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=1.3 mg/L
Iron, total	1.24	mg/L	EPA 200.7	09/28/04	PML	MCL*=[0.3 mg/L]
Lead, total	0.006	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.015 mg/L
Magnesium, total	28.8	mg/L	EPA 200.7	09/28/04	PML	
Manganese, total	0.081	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.05 mg/L]
Nickel, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Potassium, total	1.4	mg/L	EPA 200.7	09/28/04	PML	
Selenium, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Silver, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.1 mg/L]
Sodium, total	17.5	mg/L	EPA 200.7	09/28/04	PML	MCL*=[20 mg/L]
Thallium, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.002 mg/L
Zinc, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[5 mg/L]
Silicate	13.8	mg/L	SM 4500-Si E	10/05/04	DMC	Analysis does not detect complex silicates.
Sulfate	35	mg/L	EPA 300.0A	09/28/04	MTW	MCL*=[250 mg/L]
Regulated/Unregulated VOC's	See below		EPA 524.2	09/28/04	DLB	
Prep, VOA	Completed		EPA 524.2	09/28/04	DLB	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,1-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=200 ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,2-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,1-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=7 ug/L
1,1-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,4-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
1,2,4-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2-Dibromo-3-chloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.2 ug/L
1,2-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=600 ug/L
1,2-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L

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LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-6, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0855*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,3,5-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,4-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=75 [5] ug/L
2,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
2-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
4-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Benzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Bromobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromodichloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromoform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Carbon tetrachloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Chlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Chloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloroform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Cis-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
Cis-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dichlorodifluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Ethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=700 ug/L
Ethylene dibromide	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.05 ug/L
Hexachlorobutadiene by 524.2	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Isopropylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
M-and/or p-xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Methylene chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
N-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
N-Propylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Naphthalene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
O-Xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
P-Isopropyltoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Sec-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Styrene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Tert-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Tetrachloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Toluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=1000 ug/L
Trans-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-6, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0855*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Trans-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Trichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Trichlorofluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Vinyl chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=2 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-7, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0935*
Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-08*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, metals	Completed		EPA 30xx,200.x	09/24/04	DBL	
Antimony, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.006 mg/L
Arsenic, total, low level	0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Beryllium, total, low level	<0.001	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.004 mg/L
Cadmium, total, low level	0.0002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.005 mg/L
Calcium, total	81.9	mg/L	EPA 200.7	09/28/04	PML	
Chromium, total	<0.01	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Cobalt, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	
Copper, total	0.03	mg/L	EPA 200.8	10/06/04	DBL	MCL*=1.3 mg/L
Iron, total	3.01	mg/L	EPA 200.7	09/28/04	PML	MCL*=[0.3 mg/L]
Lead, total	0.009	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.015 mg/L
Magnesium, total	29.2	mg/L	EPA 200.7	09/28/04	PML	
Manganese, total	0.102	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.05 mg/L]
Nickel, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Potassium, total	1.6	mg/L	EPA 200.7	09/28/04	PML	
Selenium, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Silver, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.1 mg/L]
Sodium, total	22.0	mg/L	EPA 200.7	09/28/04	PML	MCL*=[20 mg/L]
Thallium, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.002 mg/L
Zinc, total	0.14	mg/L	EPA 200.8	10/06/04	DBL	MCL*=[5 mg/L]
Silicate	12.9	mg/L	SM 4500-SI E	10/05/04	DMC	Analysis does not detect complex silicates.
Sulfate	38	mg/L	EPA 300.0A	09/28/04	MTW	MCL*=[250 mg/L]
Regulated/Unregulated VOC's	See below		EPA 524.2	09/28/04	DLB	
Prep, VOA	Completed		EPA 524.2	09/28/04	DLB	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,1-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=200 ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,2-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,1-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=7 ug/L
1,1-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,4-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
1,2,4-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2-Dibromo-3-chloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.2 ug/L
1,2-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=600 ug/L
1,2-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*
Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-7, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0935*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-08*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,3,5-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,4-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=75 [5] ug/L
2,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
2-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
4-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Benzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Bromobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromodichloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromoform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Carbon tetrachloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Chlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Chloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloroform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Cis-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
Cis-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dichlorodifluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Ethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=700 ug/L
Ethylene dibromide	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.05 ug/L
Hexachlorobutadiene by 524.2	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Isopropylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
M-and/or p-xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Methylene chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
N-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
N-Propylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Naphthalene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
O-Xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
P-Isopropyltoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Sec-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Styrene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Tert-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Tetrachloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Toluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=1000 ug/L
Trans-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*
Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-7, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0935*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-08*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Trans-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Trichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Trichlorofluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Vinyl chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=2 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-8, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0902*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-09*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, metals	Completed		EPA 30xx,200.x	09/24/04	DBL	
Antimony, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.006 mg/L
Arsenic, total, low level	0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Beryllium, total, low level	<0.001	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.004 mg/L
Cadmium, total, low level	<0.0002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.005 mg/L
Calcium, total	63.4	mg/L	EPA 200.7	09/28/04	PML	
Chromium, total	<0.01	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Cobalt, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	
Copper, total	<0.02	mg/L	EPA 200.8	10/06/04	DBL	MCL*=1.3 mg/L
Iron, total	0.87	mg/L	EPA 200.7	09/28/04	PML	MCL*=[0.3 mg/L]
Lead, total	0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.015 mg/L
Magnesium, total	24.9	mg/L	EPA 200.7	09/28/04	PML	
Manganese, total	0.055	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.05 mg/L]
Nickel, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Potassium, total	1.0	mg/L	EPA 200.7	09/28/04	PML	
Selenium, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Silver, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.1 mg/L]
Sodium, total	16.5	mg/L	EPA 200.7	09/28/04	PML	MCL*=[20 mg/L]
Thallium, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.002 mg/L
Zinc, total	0.04	mg/L	EPA 200.8	10/07/04	DBL	MCL*=[5 mg/L]
Silicate	14.3	mg/L	SM 4500-Si E	10/05/04	DMC	Analysis does not detect complex silicates.
Sulfate	25	mg/L	EPA 300.0A	09/28/04	MTW	MCL*=[250 mg/L]
Regulated/Unregulated VOC's	See below		EPA 524.2	09/28/04	DLB	
Prep, VOA	Completed		EPA 524.2	09/28/04	DLB	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,1-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=200 ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,2-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,1-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=7 ug/L
1,1-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,4-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
1,2,4-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2-Dibromo-3-chloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.2 ug/L
1,2-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=600 ug/L
1,2-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L

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LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*
Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-8, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0902*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-09*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,3,5-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,4-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=75 [5] ug/L
2,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
2-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
4-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Benzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Bromobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromodichloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromoform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Carbon tetrachloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Chlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Chloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloroform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Cis-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
Cis-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dichlorodifluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Ethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=700 ug/L
Ethylene dibromide	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.05 ug/L
Hexachlorobutadiene by 524.2	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Isopropylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
M-and/or p-xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Methylene chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
N-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
N-Propylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Naphthalene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
O-Xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
P-Isopropyltoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Sec-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Styrene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Tert-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Tetrachloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Toluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=1000 ug/L
Trans-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L

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LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*
Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-8, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0902*
Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-09*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Trans-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Trichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Trichlorofluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Vinyl chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=2 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-9, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0955*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-10*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, metals	Completed		EPA 30xx,200.x	09/24/04	DBL	
Antimony, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.006 mg/L
Arsenic, total, low level	0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Beryllium, total, low level	<0.001	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.004 mg/L
Cadmium, total, low level	<0.0002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.005 mg/L
Calcium, total	67.3	mg/L	EPA 200.7	09/28/04	PML	
Chromium, total	<0.01	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Cobalt, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	
Copper, total	<0.02	mg/L	EPA 200.8	10/06/04	DBL	MCL*=1.3 mg/L
Iron, total	0.62	mg/L	EPA 200.7	09/28/04	PML	MCL*=[0.3 mg/L]
Lead, total	<0.003	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.015 mg/L
Magnesium, total	26.1	mg/L	EPA 200.7	09/28/04	PML	
Manganese, total	0.125	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.05 mg/L]
Nickel, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Potassium, total	1.2	mg/L	EPA 200.7	09/28/04	PML	
Selenium, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Silver, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.1 mg/L]
Sodium, total	11.0	mg/L	EPA 200.7	09/28/04	PML	MCL*=[20 mg/L]
Thallium, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.002 mg/L
Zinc, total	<0.02	mg/L	EPA 200.8	10/06/04	DBL	MCL*=[5 mg/L]
Silicate	14.0	mg/L	SM 4500-Si E	10/05/04	DMC	Analysis does not detect complex silicates.
Sulfate	25	mg/L	EPA 300.0A	09/28/04	MTW	MCL*=[250 mg/L]
Regulated/Unregulated VOC's	See below		EPA 524.2	09/28/04	DLB	
Prep, VOA	Completed		EPA 524.2	09/28/04	DLB	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,1-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=200 ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,2-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,1-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=7 ug/L
1,1-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,4-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
1,2,4-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2-Dibromo-3-chloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.2 ug/L
1,2-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=600 ug/L
1,2-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L

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LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-9, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0955*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-10*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,3,5-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,4-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=75 [5] ug/L
2,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
2-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
4-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Benzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Bromobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromodichloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromoform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Carbon tetrachloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Chlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Chloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloroform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Cis-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
Cis-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dichlorodifluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Ethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=700 ug/L
Ethylene dibromide	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.05 ug/L
Hexachlorobutadiene by 524.2	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Isopropylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
M-and/or p-xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Methylene chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
N-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
N-Propylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Naphthalene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
O-Xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
P-Isopropyltoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Sec-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Styrene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Tert-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Tetrachloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Toluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=1000 ug/L
Trans-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L

*MCL = Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-9, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0955*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-10*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Trans-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Trichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Trichlorofluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Vinyl chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=2 ug/L

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LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-10, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0948*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-11*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, metals	Completed		EPA 30xx,200.x	09/24/04	DBL	
Antimony, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.006 mg/L
Arsenic, total, low level	0.007	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Beryllium, total, low level	<0.001	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.004 mg/L
Cadmium, total, low level	<0.0002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.005 mg/L
Calcium, total	74.9	mg/L	EPA 200.7	09/28/04	PML	
Chromium, total	<0.01	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Cobalt, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	
Copper, total	<0.02	mg/L	EPA 200.8	10/06/04	DBL	MCL*=1.3 mg/L
Iron, total	1.50	mg/L	EPA 200.7	09/28/04	PML	MCL*=[0.3 mg/L]
Lead, total	<0.003	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.015 mg/L
Magnesium, total	29.3	mg/L	EPA 200.7	09/28/04	PML	
Manganese, total	0.063	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.05 mg/L]
Nickel, total	<0.02	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.1 mg/L
Potassium, total	1.3	mg/L	EPA 200.7	09/28/04	PML	
Selenium, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.05 mg/L
Silver, total	<0.005	mg/L	EPA 200.8	10/05/04	DBL	MCL*=[0.1 mg/L]
Sodium, total	15.9	mg/L	EPA 200.7	09/28/04	PML	MCL*=[20 mg/L]
Thallium, total, low level	<0.002	mg/L	EPA 200.8	10/05/04	DBL	MCL*=0.002 mg/L
Zinc, total	0.04	mg/L	EPA 200.8	10/07/04	DBL	MCL*=[5 mg/L]
Silicate	14.7	mg/L	SM 4500-Si E	10/05/04	DMC	Analysis does not detect complex silicates.
Sulfate	33	mg/L	EPA 300.0A	09/28/04	MTW	MCL*=[250 mg/L]
Regulated/Unregulated VOC's	See below		EPA 524.2	09/28/04	DLB	
Prep, VOA	Completed		EPA 524.2	09/28/04	DLB	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,1-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=200 ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1,2-Trichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,1-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,1-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=7 ug/L
1,1-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,3-Trichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2,4-Trichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
1,2,4-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,2-Dibromo-3-chloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.2 ug/L
1,2-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=600 ug/L
1,2-Dichloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
1,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L

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LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-10, 04265"*
Sampled By : *TW of KWRP*
Sample Date : *9/21/2004*
Sample Time : *0948*

Date Received : *9/23/2004*
Sample Type : *SDWA*
KAR Sample No. : *044639-11*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
1,3,5-Trimethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,3-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
1,4-Dichlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=75 [5] ug/L
2,2-Dichloropropane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
2-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
4-Chlorotoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Benzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Bromobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromodichloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromoform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Bromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Carbon tetrachloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Chlorobenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Chloroethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloroform	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Chloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Cis-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=70 ug/L
Cis-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromochloromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dibromomethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Dichlorodifluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Ethylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=700 ug/L
Ethylene dibromide	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=0.05 ug/L
Hexachlorobutadiene by 524.2	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Isopropylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
M-and/or p-xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Methylene chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
N-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
N-Propylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Naphthalene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
O-Xylene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
P-Isopropyltoluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Sec-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Styrene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L
Ter'-Butylbenzene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Tetrachloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Toluene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=1000 ug/L
Trans-1,2-Dichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=100 ug/L

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LABORATORY DETAIL REPORT

Client: *Kalamazoo Water Reclamation Plant*

KAR Project No. : *044639*

Date Reported : *10/07/04*

Project Desc. : *Analysis of 15 drinking water samples.*

Sample ID : *"4-10, 04265"*

Sampled By : *TW of KWRP*

Sample Date : *9/21/2004*

Sample Time : *0948*

Date Received : *9/23/2004*

Sample Type : *SDWA*

KAR Sample No. : *044639-11*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Trans-1,3-Dichloropropene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Trichloroethene	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=5 ug/L
Trichlorofluoromethane	<0.5	ug/L	EPA 524.2	09/28/04	DLB	
Vinyl chloride	<0.5	ug/L	EPA 524.2	09/28/04	DLB	MCL*=2 ug/L

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