City of Lancaster, Ohio
Division of Water
Miller Park Wellhead Protection Program
Historical Groundwater Quality Data

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-7																																							
			Oct-95	Jan-96	Apr-96	Jul-96	Feb-97	Apr-97	Jul-97	Oct-97	Jun-98	Dec-98	Jul-99	Apr-00	Nov-00	May-01	Oct-01	May-02	Nov-02	May-03	Nov-03	May-04	Oct-04	May-05	Nov-05	Apr-06	Oct-06	May-07	Nov-07	Jun-08	Nov-08	Jul-09	Apr-15	Apr-16	Oct-16	Apr-17	Oct-17	Apr-18	Oct-18	Apr-19
INORGANICS																																										
ALUMINUM	mg/L	50 to 200 (S)	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
ANTIMONY	ug/L	6.0	ND	ND	ND	ND	4.9	4.8	ND	11.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	ug/L	10.0	17	21	17	ND	22	30	2	20	15	18	14	16	19	16	20	15	15	14	16	13	14	21	19	18	19	19	19	23	21	29	10.0	4.0	4.1	5.2	8.0	6.0	5.0	3.0
BARIUM	ug/L	2000.0	33.0	33.0	41.0	290.0	ND	ND	34.0	38.0	38.0	30.0	32.0	34.0	30.0	42.0	39.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	54.0	51.0	45.0	50.1	51.0	51.0	47.0	53.0
BERYLLIUM	ug/L	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	ug/L	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	mg/L	--	230	210	230	96	220	230	210	183	200	197	216	212	180	230	220	199	202	216	236	226	259	393	321	269	268	384	274	4	289	282	202	194	188	211	157	159	145	151
CHROMIUM	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COBALT	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	ug/L	1000 (S) / 1300 (A)	ND	ND	ND	ND	ND	ND	ND	ND	12.00	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
CYANIDE	mg/L	0.2	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.023	ND
IRON	ug/L	300 (S)	12000	12000	9700	1500	14000	14000	13600	14000	16000	14000	13000	15400	11100	13300	13600	15200	13000	11600	11600	14100	16900	35900	21700	19300	17000	25200	17900	19400	17600	20100	4870	322	455	2070	4120	1460	ND	1150
LEAD	ug/L	15 (A)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MAGNESIUM	mg/L	--	34.0	31.0	33.0	26.0	32.0	35.0	31.0	31.0	31.0	27.0	32.0	35.2	38.0	38.0	38.0	39.0	35.2	35.8	38.7	36.3	40.8	60.5	30.0	31.7	36.9	46.5	32.2	47.5	42.1	42.9	31.8	40.2	39.0	38.1	34.0	29.0	25.5	29.1
MANGANESE	ug/L	50 (S)	250	330	610	156	310	370	270	310	388	290	340	360	380	500	440	421	386	458	422	461	473	728	669	678	639	1040	778	979	838	783	383	370	392	404	327	297	284	287
MERCURY	ug/L	2.0	ND	0.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	ug/L	--	ND	ND	ND	ND	ND	45.00	ND	ND	ND	ND	ND	ND	ND	ND	10.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
POTASSIUM	mg/L	--	3.6	3.5	3.7	6.2	3.7	4.3	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.5	4.2	3.9	4.4	4.4	3.0	3.0	3.1
SELENIUM	ug/L	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	ug/L	100 (S)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	mg/L	--	34.0	38.0	37.0	17.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	63.7	57.6	58.3	60.9	58.0	59.0	43.7	49.2
SULFIDE	mg/L	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	2.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
THALLIUM	ug/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TIN	ug/L	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VANADIUM	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ZINC	ug/L	5000 (S)	30	20	80	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANICS VOC'S																																										
Method 8260	Varies	Varies	ND	ND	ND	D[1]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			D[1] - Acetone (5 ug/l)																																								
FIELD PARAMETERS																																										
STATIC WATER LEVEL	* from reference point																																8.61	7.27	9.02	7.69	8.78	7.07	8.10	8.35
TEMPERATURE	°C	--	18.3	12.8	17.2	17.2	13.9	12.8	13.3	14.4	13.9	14.4	NM	13.9	11.0	14.4	14.9	14.3	15.5	14.1	14.7	14.1	15.3	14.6	16.5	14.6	16.2	16.2	16.5	14.8	16.3	15.8	15.1	16.6	18.4	17.3	19.1	14.5	19.7	16.7
pH	S.U.	6.5-8.5 (S)	6.90	8.10	7.10	7.10	7.10	7.30	7.20	7.10	6.90	7.10	7.10	7.60	6.80	6.60	7.10	7.40	7.03	6.96	6.93	6.42	6.94	6.79	6.80	6.83	6.89	6.89	6.77	6.85	6.65	6.87	7.02	6.88	6.94	6.94	6.84	7.00	7.31	6.70
CONDUCTIVITY	umhos/cm	--	1080	957	1191	1191	1500	1500	1300	1200	1100	1200	1230	1360	1440	1240	1500	1220	1236	891	1438	1024	1350	1155	1355	983	845	845	839	766	630	1489	1197	1250	876	896	1266	1187	991	1137

(S) = Secondary Maximum Contaminant Level

(A) = Action Level

(O) = Ohio EPA Primary Maximum Contaminant Level

D = DETECTED

ND = NOT DETECTED

NA = NOT ANALZED

NM = NOT MEASURED