

Surface Water Sample Data 7-2 to 7-5

Samp_No	Sample Date	LocationDescription	Analyte	Analytical Positive Results	Health Std Exceedence	Health Std	Latitude	Longitude	Matrix
3533-001	7/2/2007	Surface sample near drinking water intake at treatment plant	Mercury	0.402 µg/L			37.06127	-95.63477	Surface Water
			Aluminum	8740 µg/L					
			Barium	94 J µg/L					
			Calcium	19.3 mg/L					
			Copper	6 µg/L					
			Iron	9630 µg/L					
			Magnesium	3.12 mg/L					
			Manganese	166 µg/L					
			Potassium	3.39 mg/L					
			Titanium	15 µg/L					
			Vanadium	15 µg/L					
			Zinc	36 µg/L					
3533-002	7/2/2007	HWY 169 and 4th St. in middle of flood water	Mercury	0.325 µg/L			37.04013	-95.59623	Surface Water
			Aluminum	7130 µg/L					
			Barium	87 µg/L					
			Calcium	18.2 mg/L					
			Copper	10 µg/L					
			Iron	8360 µg/L					
			Magnesium	2.80 mg/L					
			Manganese	142 µg/L					
			Potassium	3.13 mg/L					
			Vanadium	13 µg/L					

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3533-003	7/2/2007	Corner of 10th and Ellsworth.					37.03394	-95.60654	Surface Water
			Mercury	0.363 µg/L					
			Aluminum	7130 µg/L					
			Barium	79 µg/L					
			Calcium	22.8 mg/L					
			Copper	6 µg/L					
			Iron	7120 µg/L					
			Magnesium	2.83 mg/L					
			Manganese	99 µg/L					
			Potassium	3.39 mg/L					
			Titanium	65 µg/L					
			Vanadium	12 µg/L					
			Zinc	46 µg/L					
			bis(2-Ethylhexyl) phthalate	5.1 µg/L	5.1 µg/L	4.8 µg/L ¹			
			2-Methylnaphthalene	2.1 µg/L					
			Benzene	3.4 µg/L					
			Ethyl Benzene	2.1 µg/L					
			Napthalene	2.3 µg/L					
			Toluene	13 µg/L					
			m and/or p-Xylene	6.7 µg/L					
			o-Xylene	4.3J µg/L					
3535-4	7/4/2007	Near 10th and Ellsworth					37.03489	-95.60696	Surface Water
			Mercury	0.421 µg/L					
			Aluminum	2470 µg/L					
			Barium	71J µg/L					
			Calcium	34.1 mg/L					
			Cobalt	14 µg/L					
			Iron	2980 µg/L					
			Magnesium	3.18 mg/L					
			Manganese	203 µg/L					
			Potassium	4.63 mg/L					
			Titanium	28 µg/L					
			Zinc	60 µg/L					

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3535-5	7/4/2007	Near 4th and HWY 166	Mercury	0.431 µg/L			37.04001	-95.59776	Surface Water
			Aluminum	2690 µg/L					
			Barium	65 µg/L					
			Calcium	28.9 mg/L					
			Iron	2960 µg/L					
			Magnesium	2.89 mg/L					
			Manganese	113 µg/L					
			Potassium	3.70 mg/L					
			Titanium	28 µg/L					
			Vanadium	15 µg/L					
			Zinc	32 µg/L					
			Acetone	23 µg/L					
			Methylene Chloride	4.9 µg/L					
			3535-6	7/4/2007	Near intersection of 1400 rd and HWY 169	Mercury			
Aluminum	5430 µg/L								
Barium	69 µg/L								
Calcium	19.9 mg/L								
Cobalt	16 µg/L								
Copper	6 µg/L								
Iron	6610 µg/L								
Magnesium	2.87 mg/L								
Manganese	119 µg/L								
Potassium	3.28 mg/L								
Titanium	60 µg/L								
Vanadium	14 µg/L								
Zinc	32 µg/L								

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3535-7	7/5/2007	9th St. east of Ellsworth					37.03500	-95.60669	Surface Water
			Aluminum	2720 µg/L					
			Barium	74 µg/L					
			Calcium	34.6 mg/L					
			Cobalt	15 µg/L					
			Copper	6 µg/L					
			Iron	3490 µg/L					
			Magnesium	3.17 mg/L					
			Manganese	237 µg/L					
			Potassium	4.73 mg/L					
			Titanium	32 µg/L					
			Vanadium	10 µg/L					
			Zinc	73 µg/L					
			Acetone	21 µg/L					
Pentachlorophenol	8.6 µg/L								
3535-8	7/5/2007	5th St. East of NE Street (Hwy 166)					37.03896	-95.59733	Surface Water
			Mercury	0.431 µg/L					
			Aluminum	3540 µg/L					
			Barium	67 µg/L					
			Calcium	25.5 mg/L					
			Cobalt	15 µg/L					
			Iron	4290 µg/L					
			Magnesium	2.70 mg/L					
			Manganese	164 µg/L					
			Potassium	3.61 mg/L					
			Titanium	40 µg/L					
			Vanadium	11 µg/L					
			Zinc	55 µg/L					
Methylene Chloride	1.5 µg/L								
3535-9	7/5/2007	Pine St. South of 4th St.					37.03991	-95.60730	Surface Water
			Aluminum	2190 µg/L					
			Barium	61 µg/L					
			Calcium	26.8 mg/L					
			Cobalt	13 µg/L					
			Iron	2610 µg/L					
			Magnesium	2.64 mg/L					
			Manganese	157 µg/L					
			Potassium	3.68 mg/L					
			Titanium	26 µg/L					
			Vanadium	23 µg/L					
			Zinc	46 µg/L					

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Health Std

Notes

¹ EPA R9 PRG (Preliminary Remediation Goal)

Data

Qualifiers

J The identification of the analyte is acceptable; the reported value is an estimate and the actual concentration for this analyte may be higher than the reported value