

Glendive Spill
Ambient Air and Headspace Monitoring
(VOCs measured with TVA1000 PhotoIonization Detector)

InstrumentID	Location	Remark	MonDate	MonTime	Parameter	Measurement	Units
TVA1000 - PID	GSMP01	Clear well tank	1/19/2015	9:30	VOC - ambient	3.0	ppm
TVA1000 - PID	GSHS01	Headspace WTP tap sample point*	1/19/2015	9:35	VOC - headspace	42.61	ppm
TVA1000 - PID	GSMP02	Raw water tank	1/19/2015	9:40	VOC - ambient	0.05	ppm
TVA1000 - PID	GSHS02	Headspace raw water tank	1/19/2015	9:45	VOC - headspace	5.5	ppm
TVA1000 - PID	GSMP03	line to intake vault	1/19/2015	9:50	VOC - ambient	0.05	ppm
TVA1000 - PID	GSMP04	tap in intake building	1/19/2015	9:55	VOC - ambient	0.21	ppm
TVA1000 - PID	GSMP05	running water City Hall restroom	1/19/2015	10:30	VOC - ambient	0.22	ppm
TVA1000 - PID	GSHS03	Headspace City Hall water	1/19/2015	10:40	VOC - headspace	6.41	ppm
TVA1000 - PID	GSMP06	running water school basement	1/19/2015	11:40	VOC - ambient	0.12	ppm
TVA1000 - PID	GSHS04	Headspace school basement	1/19/2015	11:45	VOC - headspace	25.86	ppm
TVA1000 - PID	GSMP07	running water retirement home	1/19/2015	12:00	VOC - ambient	0.71	ppm
TVA1000 - PID	GSHS05	Headspace retirement home	1/19/2015	12:05	VOC - headspace	5.65	ppm
TVA1000 - PID	GSMP08	running water hospital	1/19/2015	12:30	VOC - ambient	0.38	ppm
TVA1000 - PID	GSHS06	Headspace hospital	1/19/2015	12:35	VOC - headspace	3.75	ppm
TVA1000 - PID	GSMP09	running water VA facility	1/19/2015	12:40	VOC - ambient	0.1	ppm
TVA1000 - PID	GSHS07	Headspace VA facility	1/19/2015	12:45	VOC - headspace	1.06	ppm
TVA1000 - PID	GSMP10	running water Police dept/ Jail	1/19/2015	12:50	VOC - ambient	0.62	ppm
TVA1000 - PID	GSHS08	Headspace Police dept/ Jail	1/19/2015	12:55	VOC - headspace	1.82	ppm
TVA1000 - PID	GSMP11	Residential	1/19/2015	17:40	VOC - ambient	3.19	ppm
TVA1000 - PID	GSHS09	Residential	1/19/2015	17:45	VOC - headspace	46.91	ppm
TVA1000 - PID	GSMP12	Residential	1/19/2015	18:00	VOC - ambient	40.01	ppm
TVA1000 - PID	GSHS10	Residential	1/19/2015	18:05	VOC - headspace	45.81	ppm
TVA1000 - PID	GSMP13	Residential	1/19/2015	18:15	VOC - ambient	9.25	ppm
TVA1000 - PID	GSHS11	Residential	1/19/2015	18:20	VOC - headspace	40.1	ppm
TVA1000 - PID	GSMP14	Residential	1/20/2015	14:53	VOC - Ambient	1.5	ppm
TVA1000 - PID	GSHS12	Residential	1/20/2015	14:55	VOC - Headspace	21.26	ppm
TVA1000 - PID	GSMP15	Residential	1/20/2015	15:04	VOC - Ambient	32.45	ppm
TVA1000 - PID	GSHS13	Residential	1/20/2015	15:09	VOC - Headspace	34.1	ppm
TVA1000 - PID	GSMP16	Residential	1/20/2015	15:16	VOC - Ambient	22	ppm
TVA1000 - PID	GSHS14	Residential	1/20/2015	15:23	VOC - Headspace	36.15	ppm
TVA1000 - PID	GSMP17	Residential	1/20/2015	15:29	VOC - Ambient	22.1	ppm
TVA1000 - PID	GSHS15	Residential	1/20/2015	15:32	VOC - Headspace	40.25	ppm
TVA1000 - PID	GSMP18	Residential	1/20/2015	15:46	VOC - Ambient	0.64	ppm
TVA1000 - PID	GSHS16	Residential	1/20/2015	15:46	VOC - Headspace	34.12	ppm
TVA1000 - PID	GSMP19	Residential	1/20/2015	16:25	VOC - Ambient	12.05	ppm
TVA1000 - PID	GSHS17	Residential	1/20/2015	16:25	VOC - Headspace	36.7	ppm
TVA1000 - PID	GSMP20	Residential	1/20/2015	16:38	VOC - Ambient	0.36	ppm
TVA1000 - PID	GSHS18	Residential	1/20/2015	16:39	VOC - Headspace	2.81	ppm
TVA1000 - PID	GSMP21	Residential	1/20/2015	17:06	VOC - Ambient	0.65	ppm
TVA1000 - PID	GSHS19	Residential	1/20/2015	17:08	VOC - Headspace	1.16	ppm
TVA1000 - PID	GSMP22	Residential	1/20/2015	17:22	VOC - Ambient	0.31	ppm
TVA1000 - PID	GSHS20	Residential	1/20/2015	17:24	VOC - Headspace	1.31	ppm

* - Sample was collected from this location for full VOC analysis by WTP

VOC - volatile organic compound

ppm - parts per million

ambient - measurement the vicinity of water (standing water/ running tap)

headspace - measurement from the headspace of a half filled and agitated sample bottle