AVERAGE SOIL VAPOR CONCENTRATION READINGS

DATE	SV02 S	SV02 M	SV02 D	SV03 S	SV03 M	SV03 D	SV04 S	SV04 M	SV04 D	SV05 S	SV05 M	SV05 D	SV06 S	SV06 M	SV06 D	SV07 S	SV07 M	SV07 D	SV08 S	SV08 M	SV08 D	SV09 S	SV09 M	SV09 D	SV10 S	SV10 M	SV10 D	SV11 S	SV11 M	SV11 D	SV12 S	SV12 M	SV12 D	SV13 S	SV13 M	SV13 D	SV14 S	SV14 M	SV14 D	SV15 S	SV15 M	SV15 D	SV16 S	SV16 M	SV16 D	SV17 S	SV17 M	SV17 D	SV18 S	SV18 M	SV18 D	SV20 S	SV20 M	SV20 D
9/23/2015	341	305	311	2,316	1,334	1,223	460	376	304	148,667	103,123	126,433	486	130	NC	0	0	113	0	0	0	5	11	44	71	3	NC	NC	2,584	NC	64	8	1	37	10	59	148	66	62	193	NC	185	477	367	220	237	334	358	9,188	NC	11,625	259	379	455
10/20/2015	276	314	323	488	552	619	489	541	627	170,300	113,700	176,267	1,881	586	NC	474	NC	569	339	412	373	388	357	476	380	318	NC	NC	3,045	NC	584	371	334	270	242	286	295	320	303	277	NC	230	240	289	249	372	439	424	13,670	NC	16,280	697	608	595
11/18/2015	NC	NC	NC	469	451	435	425	395	405	153,333	92,350	153,867	NC	NC	NC	328	NC	96,503	87	93	69	103	89	97	103	77	NC	NC	2,714	NC	207	101	99	115	98	125	118	123	161	253	NC	194	735	573	376	1,082	1,010	1,078	27,097	NC	27,153	523	556	549
12/17/2015	320	994	226	418	434	506	323	310	320	267,467	155,000	317,400	1,620	739	NC	596	NC	3,086	486	538	494	399	420	390	403	403	NC	NC	1,071	NC	541	510	514	393	382	350	406	418	415	338	NC	311	416	406	432	561	612	593	32,387	NC	27,093	1,010	820	813
1/20/2016	739	616	731	844	908	963	543	557	602	303,367	66,763	165,267	1,548	846	NC	719	NC	714	642	644	635	647	703	693	608	667	NC	NC	1,534	NC	618	630	573	502	530	707	546	543	589	560	NC	633	526	580	552	699	810	759	31,047	NC	27,463	355	427	385
2/17/2016	671	664	662	761	801	888	617	594	585	295,600	146,400	211,900	1,763	966	NC	699	NC	832	611	633	608	590	591	567	574	541	NC	NC	2,316	NC	616	530	543	567	542	615	539	520	543	527	NC	530	705	603	578	765	647	714	28,737	NC	27,267	692	724	567
3/15/2016	550	565	512	747	852	841	520	515	501	319,000	161,667	226,233	1,797	1,025	NC	849	NC	956	581	596	590	635	633	662	608	570	NC	NC	947	NC	465	421	381	373	379	407	523	532	501	551	NC	502	591	580	607	701	736	818	1,533	NC	1,609	737	840	733
4/20/2016	454	445	393	732	784	855	419	407	428	133,033	8,558	55,437	1,347	574	NC	465	NC	626	763	805	810	893	923	951	535	450	NC	NC	1,133	NC	391	410	456	344	378	451	368	371	366	341	NC	451	332	371	344	658	726	704	2,154	NC	1,550	327	344	343
5/23/2016	802	856	782	1,194	1,217	1,382	1,054	1,023	1,093	115,567	7,928	29,933	2,122	1,277	NC	1,349	NC	1,403	1,557	1,597	1,691	1,437	1,466	1,797	1,342	1,273	NC	NC	1,271	NC	1,008	847	971	1,044	1,075	1,233	877	777	778	1,220	NC	1,668	920	2,147	1,031	1,033	928	990	7,787	NC	6,740	724	813	730
6/21/2016	466	464	473	703	692	763	622	567	552	151,600	7,927	28,517	1,668	690	NC	665	NC	796	590	590	632	604	680	701	595	549	NC	NC	968	NC	623	539	675	285	364	436	427	441	415	479	NC	463	555	576	490	660	720	766	6,715	NC	6,537	572	584	542
7/22/2016	516	489	519	740	736	710	575	526	538	96,967	16,083	76,673	1,176	437	NC	377	NC	427	287	293	309	292	298	347	298	253	NC	NC	522	NC	342	286	346	222	224	292	264	287	296	236	NC	253	246	353	279	520	469	436	7,145	NC	8,082	306	244	322
8/23/2016	396	390	390	518	516	518	360	387	381	74,483	5,934	32,787	1,312	526	NC	889	NC	826	533	553	629	477	490	526	479	459	NC	NC	498	NC	312	278	275	392	272	306	314	319	289	284	NC	306	280	298	287	346	404	417	6,230	NC	5,871	220	251	252
9/21/2016	516	467	500	348	646	602	660	506	630	53,800	9,014	19,333	621	335	NC	360	428	389	293	278	276	312	262	379	295	239	NC	NC	273	NC	321	231	235	270	259	295	157	166	196	234	NC	117	240	273	244	327	368	375	4,441	NC	4,140	122	178	175
10/19/2016	426	332	345	652	662	727	532	605	751	95,847	17,870	58,557	1,322	654	NC	844	783	900	1,955	1,240	3,981	641	586	698	567	478	NC	NC	409	NC	293	270	293	206	227	316	215	238	235	205	NC	308	223	236	218	412	730	640	9,297	NC	9,030	539	447	350
11/17/2016	289	272	252	469	512	540	306	279	297	111,200	9,117	25,713	1,379	494	NC	904	722	554	480	617	671	390	343	469	485	393	NC	NC	353	NC	235	227	175	282	199	307	225	232	277	253	NC	306	304	288	223	536	506	361	10,427	NC	8,562	190	259	197
12/20/2016	543	533	469	748	757	802	520	543	552	82,860	23,123	26,447	1,234	637	NC	539	599	657	542	543	602	520	470	579	576	479	NC	NC	630	NC	568	525	484	474	473	471	522	500	485	461	NC	511	430	463	432	512	586	838	11,247	NC	7,833	212	248	262
1/31/2017	477	443	388	589	618	560	407	352	349	98,227	21,063	34,947	1,091	302	NC	168	329	233	353	320	390	365	347	434	333	281	NC	NC	411	NC	272	333	296	231	219	215	340	302	287	263	NC	249	297	299	286	462	335	507	9,716	NC	10,312	518	646	365
2/22/2017	387	291	679	452	454	438	351	332	332	103,867	12,767	28,187	1,350	438	NC	484	536	557	428	405	485	483	437	554	495	418	NC	NC	302	NC	338	249	262	255	273	299	335	301	315	272	NC	284	356	338	306	442	455	492	8,352	NC	8,613	186	211	170
3/24/2017	323	321	301	449	417	458	343	285	320	64,780	16,317	41,823	781	219	NC	286	299	320	304	257	281	289	266	342	290	235	NC	NC	365	827	318	288	288	511	399	457	336	355	304	255	353	310	301	322	294	485	420	534	4,756	NC	5,366	451	626	562
4/20/2017	461	472	436	458	480	479	529	465	496	59,747	8,923	43,980	1,074	494	NC	441	494	112,600	509	462	467	353	317	388	322	284	NC	NC	347	491	353	361	318	521	561	720	295	303	319	221	293	256	229	235	206	365	398	331	5,147	NC	6,817	197	423	434
5/26/2017	1,646	1,321	1,223	1,628	1,447	1,474	1,746	1,259	1,390	79,537	22,097	35,480	3,201	1,291	NC	1,928	1,526	11,877	1,360	1,246	1,645	1,026	934	1,840	682	650	NC	NC	723	918	696	1,541	596	592	501	846	461	492	337	310	484	407	346	376	329	354	431	446	8,442	NC	10,253	255	350	411
6/22/2017	624	502	556	654	583	699	451	568	503	55,877	7,411	24,643	1,815	830	NC	833	747	175,533	795	782	966	911	941	1,078	973	831	NC	NC	1,301	1,415	1,213	867	965	3,958	5,239	7,761	365	615	372	354	519	403	352	362	296	519	495	401	7,333	NC	7,718	358	388	422
7/21/2017	604	510	502	731	702	667	539	560	637	50,333	6,207	15,490	1,135	487	NC	633	634	11,383	715	661	770	733	646	723	500	418	NC	NC	548	731	422	461	403				324	294	304	215	418	273	268	236	178	310	324	343	6,925	NC	7,241	189	213	262
8/23/2017	519	508	503	582	576	608	550	533	596	40,520	7,577	25,833	1,187	521	NC	924	759	3,551	761	684	775	742	755	862	708	653	NC	NC	554	692	297	285	262				276	242	313	151	344	170	245	219	169	404	300	318	5,694	NC	5,599	297	358	323
9/21/2017	296	269	296	412	332	394	315	276	279	31,050	5,682	17,273	662	253	NC	396	343	966	319	315	355	295	317	410	283	242	NC	NC	327	354	324	241	214	395	580	796	227	168	203	123	289	174	134	113	92	238	203	207	2,089	NC	2,567	140	200	196
10/26/2017	297	289	292	370	373	373	318	271	301	24,613	7,342	4,987	746	336	NC	516	486	772	485	574	664	536	521	712	558	462	NC	NC	365	399	369	306	304	372	382	695	243	293	335	147	434	114	223	280	228	281	229	348	2,238	NC	2,304	400	550	745
11/29/2017	248	269	241	281	292	345	281	218	195	21,623	1,424	10,240	747	220	NC	224	247	395	195	143	180	365	284	283	193	186	NC	NC	198	226	195	196	177	268	298	323	264	207	286	126	139	561	222	212	183	276	188	228	2,004	NC	2,849	418	436	545
12/19/2017	310	294	292	373	363	410	323	300	315	24,653	13,310	14,453	685	340	NC	283	332	469	258	193	238	233	280	310	280	256	NC	NC	306	346	278	252	290	319	295	327	278	270	303	255	271	224	329	365	258	249	208	357	2,096	NC	2,585	241	247	306
1/24/2018	157	158	99	226	242	241	158	156	146	19,520	3,957	15,060	912	247	NC	297	303	436	331	297	362	326	340	383	341	290	NC	NC	390	358	325	323	357	1,261	620	674	362	325	383	370	379	304	323	335	360	438	435	480	3,909	NC	4,773	698	896	807
2/21/2018	264	254	410	361	302	341	279	306	339	13,157	13,307	11,527	1,037	481	NC	410	314	421	299	242	276	324	331	377	391	327	NC	NC	308	356	341	278	323	253	306	375	253	246	347	229	177	188	261	256	371	367	355	372	3,742	NC	3,994	195	296	403
3/20/2018	285	285	412	421	351	540	397	255	307	13,113	4,562	5,305	701	343	NC	470	381	437	366	339	387	375	375	444	482	306	NC	NC	457	535	482	344	779	299	365	373	414	316	326	327	352	355	374	389	356	469	820	563	6,065	NC	6,908	391	602	534
4/25/2018	356	324	353	456	436	357	302	276	284	6,616	1,439	6,069	757	305	NC	423	387	131,367	282	258	251	266	276	324	321	255	NC	NC	285	308	254	259	357	258	218	260	244	253	314	226	NC_1	182	305	286	215	450	444	406	4,046	NC	5,112	240	289	388
5/22/2018	340	292	271	531	558	475	299	307	271	2,013	1,632	2,149	1,190	398	NC	492	454	593	378	346	406	323	359	573	426	367	NC	NC	225	758	329	165	192	273	252	266	309	343	264	262	236	241	218	245	232	429	487	273	2,722	NC	6,588	227	553	333
6/20/2018	418	659	707	559	621	466	443	443	414	1,604	1,533	1,772	1,259	547	NC	559	386	7,277	402	428	512	501	522	619	338	342	NC	NC	349	348	392	383	382	458	333	367	360	394	361	373	257	285	412	390	387	519	449	480	3,527	NC	5,366	346	401	436
7/25/2018	384	350	343	361	371	440	343	337	359	1,636	1,592	2,003	1,069	359	NC	366	285	1,986	319	277	306	390	423	421	283	251	NC	NC	253	312	226	251	223	184	182	253	265	306	251	250	343	281	249	321	322	315	284	288	3,206	NC	4,631	195	163	194
8/21/2018	354	331	400	436	424	395	314	309	316	972	1,482	1,361	1,047	326	NC	279	293	80,667	264	226	267	399	399	479	281	247	NC	NC	271	291	221	227	256	267	304	363	253	232	277	235	NC2	218	293	302	259	395	410	389	2,876	NC	4,210	190	266	295
8/30/2018	425	441	434	534	502	589	460	463	456	1,487	1,507	1,768	1,255	466	NC	443	439	19,037	453	472	518	578	451	569	311	300	NC	NC	333	328	272	292	282	256	307	357	287	236	298	281	344	267	282	343	290	461	446	317	3,722	NC	4,597	161	187	273
9/18/2018	75	129	267	205	302	450	202	127	125	670	1,103	1,211	480	158	NC	270	183	3,852	61	70	149	77	106	159	64	66	NC	NC	70	84	148	54	59	33	56	153	31	29	68	75	123	79	141	179	197	203	264	313	3,657	NC	3,381	56	74	133
10/30/2018	210	217	280	201	238	391	177	178	214	503	802	725	402	157	NC	125	139	4,646	118	102	169	107	139	186	158	132	NC	NC	137	157	162	170	176	204	235	297	156	194	216	113	91	84	152	149	123	227	296	356	4,006	NC	4,625	177	226	232
11/20/2018	339	371	394	400	384	461	381	339	308	1,084	1,415	1,379	717	372	NC	284	288	1,126	240	220	329	228	292	429	259	205	NC	NC	227	337	233	276	255	240	331	453	160	146	218	201	198	128	244	392	245	452	444	452	5,482	NC	6,500	143	138	227
12/18/2018	403	438	419	459	462	482	447	451	397	652	1,628	1,424	714	377	NC	447	313	786	291	287	280	288	305	373	318	286	NC	NC	288	354	361	295	307	338	394	440	352	338	364	344	NC	313	415	563	417	536	481	620	6,353	NC	7,163	128	171	218
1/24/2019	519	531	473	448	428	604	415	410	494	682	1,315	1,348	682	339	NC	314	306	491	235	247	308	259	244	285	243	197	NC	NC	210	243	308	291	267	479	432	486	297	290	336	283	301	275	367	352	397	472	441	592	6,161	NC	6,658	126	146	198
2/19/2019	285	309	316	367	331	326	293	353	295	645	1,152	914	774	296	NC	342	177	461	282	280	296	248	238	513	260	228	NC	NC	269	336	293	311	281	227	296	506	272	238	330	276	NC_3	116	309	422	348	407	485	446	6,179	NC	6,013	114	94	196
3/19/2019	500	478	487	616	567	772	526	555	581	54,640	13,280	1,979	979	562	NC	469	443	624	491	509	575	620	593	675	641	494	NC	NC	437	550	587	475	487	697	794	900	616	577	1,032	353	NC_3	268	481	452	444	568	505	629	7,107	NC	7,942	224	232	308

NC: Not collected

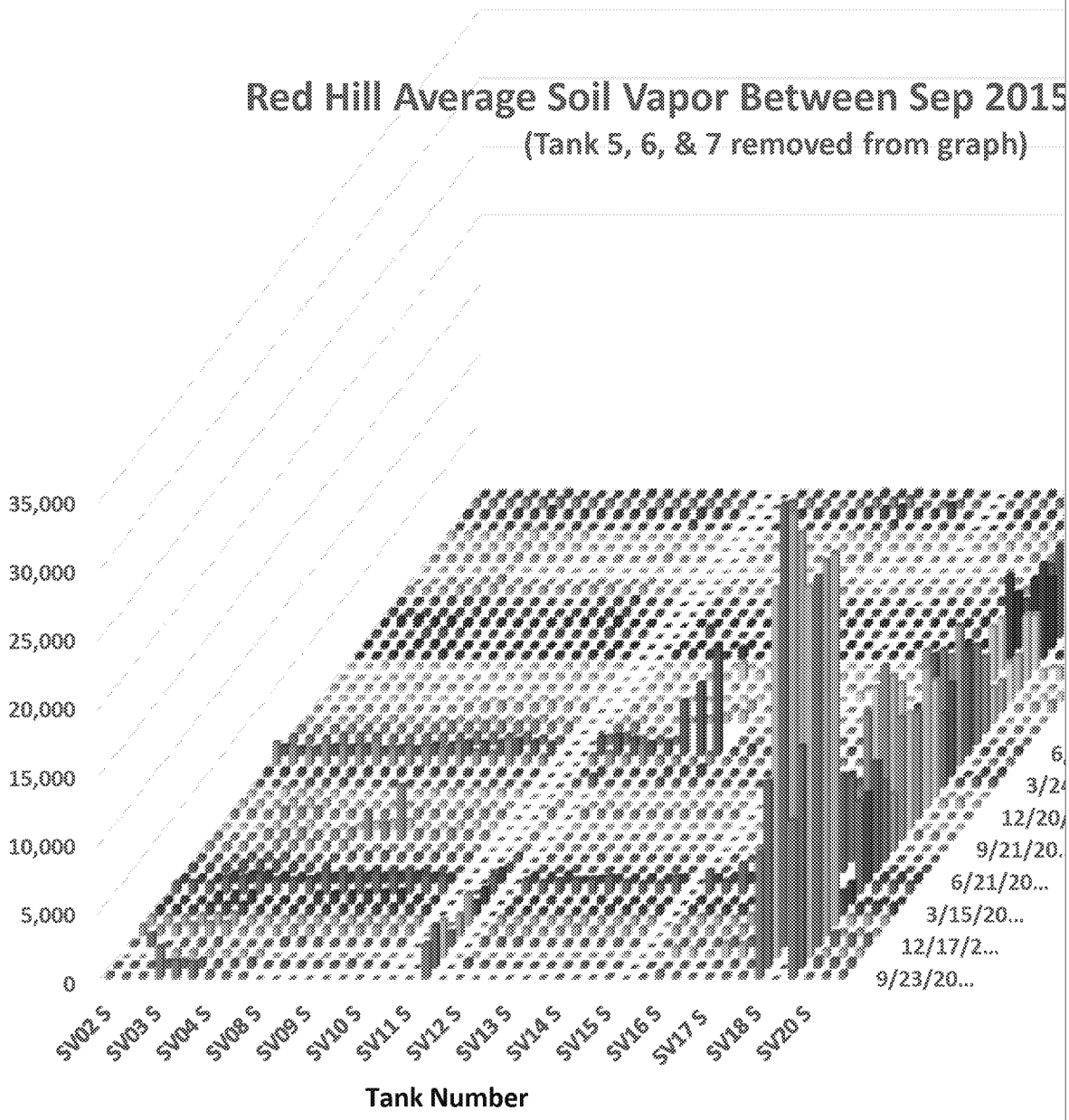
NC_2: Not collected due to obstruction in vapor line.

AVERAGE SOIL VAPOR CONCENTRATION READINGS						
DATE	SV02 S	SV02 M	SV02 D	SV03 S	SV03 M	SV03 D
9/23/2015	341	305	311	2,316	1,334	1,223
10/20/2015	276	314	323	488	552	619
11/18/2015	NC	NC	NC	469	451	
12/17/2015	320	904	226	418	434	
1/20/2016	739	616	731	844	908	
2/17/2016	671	664	662	761	801	
3/15/2016	550	565	512	747	832	
4/20/2016	454	445	393	732	784	
5/23/2016	802	856	782	1,194	1,217	
6/21/2016	466	464	473	703	692	
7/22/2016	516	489	519	740	736	
8/23/2016	396	390	390	518	516	
9/21/2016	516	467	500	348	646	
10/19/2016	426	332	345	652	662	
11/17/2016	289	272	252	469	512	
12/20/2016	543	533	469	748	757	
1/31/2017	477	443	388	589	618	
2/22/2017	387	291	679	452	454	
3/24/2017	323	321	301	449	417	
4/20/2017	461	472	436	458	480	
5/26/2017	1,646	1,321	1,223	1,628	1,447	
6/22/2017	624	502	556	654	583	
7/21/2017	604	510	502	731	702	
8/23/2017	519	508	503	582	576	
9/21/2017	296	269	296	412	332	
10/26/2017	297	289	292	370	373	
11/29/2017	248	269	241	281	292	
12/19/2017	310	294	292	373	363	
1/24/2018	157	158	90	226	242	
2/21/2018	264	254	410	361	302	
3/20/2018	285	285	412	421	351	
4/25/2018	356	324	353	456	436	
5/22/2018	340	292	271	531	558	
6/20/2018	418	659	707	559	621	
7/25/2018	384	350	343	361	371	
8/21/2018	354	331	400	436	424	
8/30/2018	425	441	434	534	502	
9/18/2018	75	129	267	205	302	
10/30/2018	210	217	280	201	238	
11/20/2018	339	371	394	400	384	461
12/18/2018	403	438	419	450	462	482
1/24/2019	519	531	473	448	428	694
2/19/2019	285	309	316	367	331	326
3/19/2019	500	478	487	616	567	772
4/26/2019	545	548	566	686	670	699
5/23/2019	308	317	299	309	316	428

Average Soil Vapor

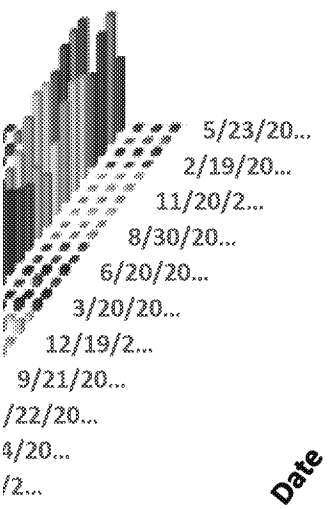
NC: Not collected

SV04 S	**SV04 M**	**SV04 D**	**SV05 S**	**SV05 M**	**SV05 D**	**SV06 S**	**SV06 M**	**SV06 D**	**SV07 S**	**SV07 M**	**SV07 D**
460	376	304	148,667	103,123	126,433	486	130	NC	0	0	113
489	541	627	170,300	113,700	176,267	1,881	586	NC	474	NC	569



381	339	308	1,084	1,415	1,379	717	372	NC	284	288	1,126
447	451	397	652	1,628	1,424	714	377	NC	447	313	786
415	410	494	682	1,315	1,348	682	339	NC	314	306	491
293	353	295	645	1,152	914	774	296	NC	342	177	461
526	555	581	54,640	13,280	1,979	979	562	NC	469	443	624
685	582	553	3036	3590	1747	881	410	NC	645	532	629
268	272	281	586	4513	7026	4558	574	NC	317	324	970

SV08 S	SV08 M	SV08 D	SV09 S	SV09 M	SV09 D	SV10 S	SV10 M	SV10 D	SV11 S	SV11 M	SV11 D
0	0	0	5	11	44	71	3	NC	NC	2,584	NC
339	412	373	388	357	476	380	318	NC	NC	3,045	NC
					97	103	77	NC	NC	2,714	NC
					390	403	403	NC	NC	1,071	NC
					693	608	667	NC	NC	1,534	NC
					567	574	541	NC	NC	2,316	NC
					662	608	570	NC	NC	947	NC
					951	535	450	NC	NC	1,133	NC
					1,797	1,342	1,273	NC	NC	1,271	NC
					701	595	549	NC	NC	968	NC
					347	298	253	NC	NC	522	NC
					526	479	459	NC	NC	498	NC
					379	295	239	NC	NC	273	NC
					698	567	478	NC	NC	409	NC
					469	485	393	NC	NC	353	NC
					579	576	479	NC	NC	630	NC
					434	333	281	NC	NC	411	NC
					554	495	418	NC	NC	302	NC
					342	290	235	NC	NC	365	827
					388	322	284	NC	NC	347	491
					1,840	682	650	NC	NC	723	918
					1,078	973	831	NC	NC	1,301	1,415
					723	500	418	NC	NC	548	731
					862	708	653	NC	NC	554	692
					410	283	242	NC	NC	327	354
					712	558	462	NC	NC	365	399
					283	193	186	NC	NC	198	226
					310	280	256	NC	NC	306	346
					383	341	290	NC	NC	390	358
					377	391	327	NC	NC	308	356
					444	482	306	NC	NC	457	535
					324	321	255	NC	NC	285	308
					573	426	367	NC	NC	225	758
					619	338	342	NC	NC	349	348
					421	283	251	NC	NC	253	312
					479	281	247	NC	NC	271	291
					569	311	300	NC	NC	333	328
					159	64	66	NC	NC	70	84
					186	158	132	NC	NC	137	157
240	220	329	228	292	429	259	205	NC	NC	227	337
291	287	280	288	305	373	318	286	NC	NC	288	354
235	247	308	259	244	285	243	197	NC	NC	210	243
282	280	296	248	238	513	260	228	NC	NC	269	336
491	509	575	620	593	675	641	494	NC	NC	437	550
523	486	543	536	522	533	516	448	NC	NC	471	588
361	387	362	317	316	382	309	245	NC	NC	298	300



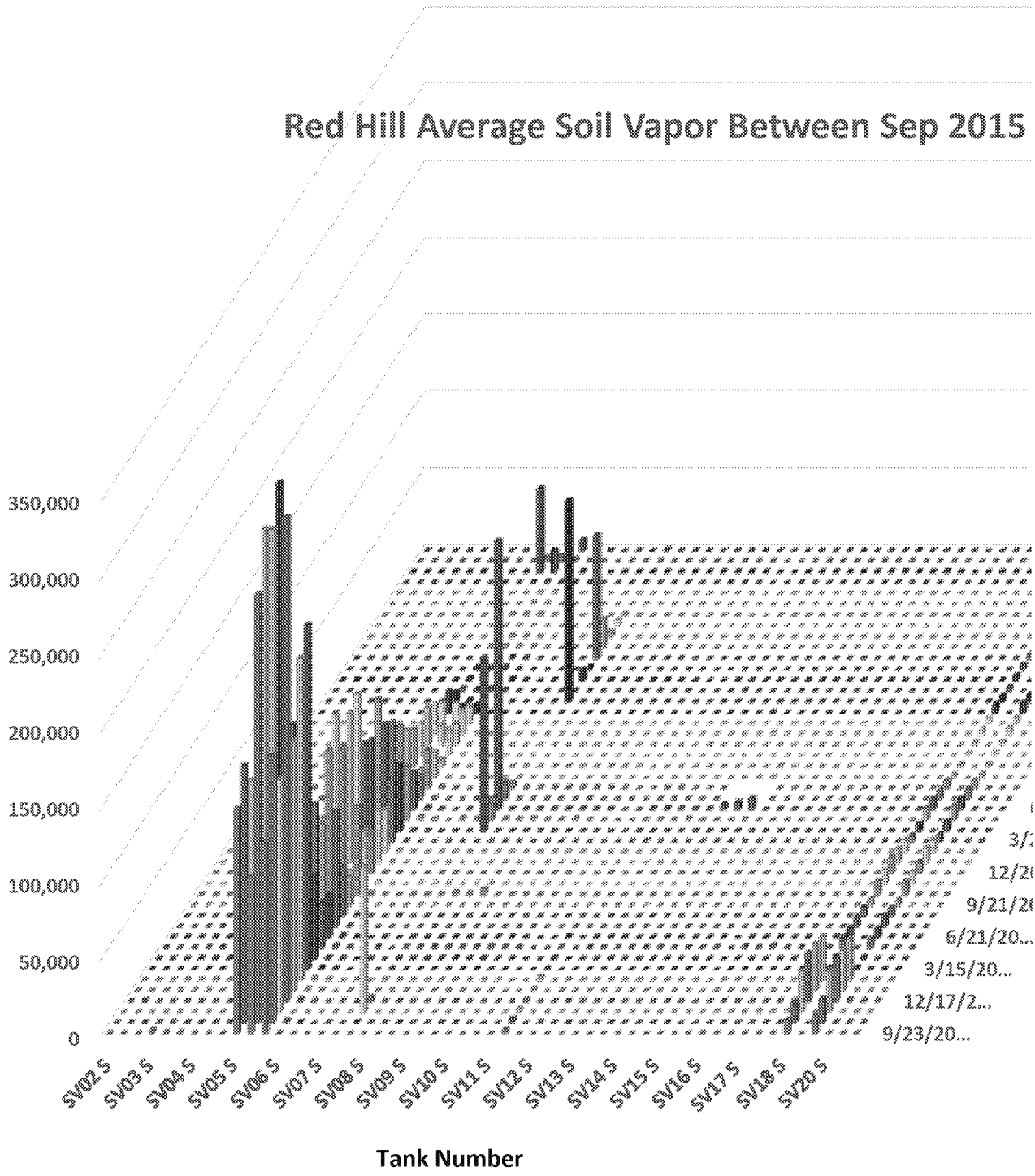
SV12 S	**SV12 M**	**SV12 D**	**SV13 S**	**SV13 M**	**SV13 D**	**SV14 S**	**SV14 M**	**SV14 D**	**SV15 S**	**SV15 M**	**SV15 D**
64	8	1	37	10	59	148	66	62	193	NC	185
584	371	334	270	242	286	295	320	303	277	NC	230
207	101	99	115	98	125	118	123	161	253	NC	194
541	510	514	393	382	350	406	418	415	338	NC	311
618	630	573	502	530	707	546	543	589	560	NC	633
616	530	543	567	542	615	539	520	543	527	NC	530
465	421	381	373	379	407	523	532	501	551	NC	502
391	410	456	344	378	451	368	371	366	341	NC	451
1,008	847	971	1,044	1,075	1,233	877	777	778	1,220	NC	1,668
623	539	675	285	364	436	427	441	415	479	NC	463
342	286	346	222	224	292	264	287	296	236	NC	253
312	278	275	392	272	306	314	319	289	284	NC	306
321	231	235	270	259	295	157	166	196	234	NC	117
293	270	293	206	227	316	215	238	235	205	NC	308
235	227	175	282	199	307	225	232	277	253	NC	306
568	525	484	474	473	471	522	500	485	461	NC	511
272	333	296	231	219	215	340	302	287	263	NC	249
338	249	262	255	273	299	335	301	315	272	NC	284
318	288	288	511	399	457	336	355	304	255	353	310
353	361	318	521	561	720	295	303	319	221	293	256
696	1,541	596	592	501	846	461	492	337	310	484	407
1,213	867	965	3,958	5,239	7,761	365	615	372	354	519	403
422	461	403				324	294	304	215	418	273
297	285	262				276	242	313	151	344	170
324	241	214	395	580	796	227	168	203	123	289	174
369	306	304	372	382	695	243	293	335	147	434	114
195	196	177	268	298	323	264	207	286	126	139	561
278	252	290	319	295	327	278	270	303	255	271	224
325	323	357	1,261	620	674	362	325	383	370	379	304
341	278	323	253	306	375	253	246	347	229	177	188
482	344	779	290	365	373	414	316	326	327	352	355
254	259	357	258	218	260	244	253	314	226	NC_2	182
329	165	192	273	252	266	309	343	264	262	236	241
392	383	382	458	333	367	360	394	361	373	257	285
226	251	223	184	182	253	265	306	251	250	343	281
221	227	256	267	304	363	253	232	277	235	NC2	218
272	292	282	256	307	357	287	236	298	281	344	267
148	54	50	33	56	153	31	29	68	75	123	79
162	170	176	204	235	297	156	194	216	113	91	84
233	276	255	240	331	453	160	146	218	201	198	128
361	295	307	338	394	440	352	338	364	344	NC_2	313
308	291	267	479	432	486	297	290	336	283	301	275
293	311	281	227	296	506	272	238	330	276	NC_2	116
587	475	487	697	794	900	616	577	1,032	353	NC_2	268
479	399	487	662	643	794	340	368	464	370	NC_2	335
282	271	293	458	342	427	331	323	373	218	NC_2	233

SV16 S	**SV16 M**	**SV16 D**	**SV17 S**	**SV17 M**	**SV17 D**	**SV18 S**	**SV18 M**	**SV18 D**	**SV20 S**	**SV20 M**	**SV20 D**
477	367	220	237	334	358	9,188	NC	11,625	259	379	455
240	289	249	372	439	424	13,670	NC	16,280	697	608	595
735	573	376	1,082	1,010	1,078	27,097	NC	27,153	523	556	549
416	406	432	561	612	593	32,387	NC	27,093	1,010	820	813
526	580	552	699	810	759	31,047	NC	27,463	355	427	385
705	603	578	765	647	714	28,737	NC	27,267	692	724	567
591	589	607	701	736	818	1,533	NC	1,699	737	840	733
332	371	344	658	726	704	2,154	NC	1,550	327	344	343
920	2,147	1,031	1,033	928	990	7,787	NC	6,740	724	813	730
555	576	490	660	720	766	6,715	NC	6,537	572	584	542
246	353	279	520	469	436	7,143	NC	8,082	306	244	322
280	298	287	346	404	417	6,230	NC	5,871	220	251	252
240	273	244	327	368	375	4,441	NC	4,140	122	178	175
223	236	218	412	730	640	9,297	NC	9,030	539	447	350
304	288	223	536	506	361	10,427	NC	8,562	190	259	197
430	463	432	512	586	838	11,247	NC	7,833	212	248	262
297	299	286	462	335	507	9,716	NC	10,312	518	646	365
356	338	306	442	455	492	8,352	NC	8,613	186	211	170
301	322	294	485	420	534	4,756	NC	5,366	451	626	562
229	235	206	365	398	331	5,147	NC	6,817	197	423	434
346	376	329	354	431	446	8,442	NC	10,253	255	350	411
352	362	296	519	495	401	7,333	NC	7,718	358	388	422
268	236	178	310	324	343	6,925	NC	7,241	180	213	262
245	219	169	404	300	318	5,694	NC	5,599	297	358	323
134	113	92	238	203	207	2,089	NC	2,567	140	200	196
223	280	228	281	229	348	2,238	NC	2,304	400	550	745
222	212	183	276	188	228	2,004	NC	2,849	418	436	545
329	365	258	249	208	357	2,096	NC	2,585	241	247	306
323	335	360	438	435	480	3,909	NC	4,773	698	896	807
261	256	371	367	355	372	3,742	NC	3,994	195	296	403
374	389	356	469	820	563	6,065	NC	6,908	391	602	534
305	286	215	450	444	406	4,046	NC	5,112	240	289	388
218	245	232	429	487	273	2,722	NC	6,588	227	553	333
412	390	387	519	449	480	3,527	NC	5,366	346	401	436
249	321	322	315	284	288	3,206	NC	4,631	195	163	194
293	302	259	395	410	389	2,876	NC	4,210	190	266	295
282	343	290	461	446	317	3,722	NC	4,597	161	187	273
141	179	197	203	264	313	3,657	NC	3,381	56	74	133
152	149	123	227	296	356	4,006	NC	4,625	177	226	232
244	392	245	452	444	452	5,482	NC	6,500	143	138	227
415	563	417	536	481	620	6,353	NC	7,163	128	171	218
367	352	397	472	441	592	6,161	NC	6,658	126	146	198
309	422	348	407	485	446	6,179	NC	6,013	114	94	196
481	452	444	568	505	629	7,107	NC	7,942	224	232	308
458	456	541	689	581	612	7355	NC	8446	133	209	252
279	315	255	324	429	550	7274	NC	4719	307	239	305

NC_2: Not collected due to obstruction in vapor line.

Average Soil Vapor

Red Hill Average Soil Vapor

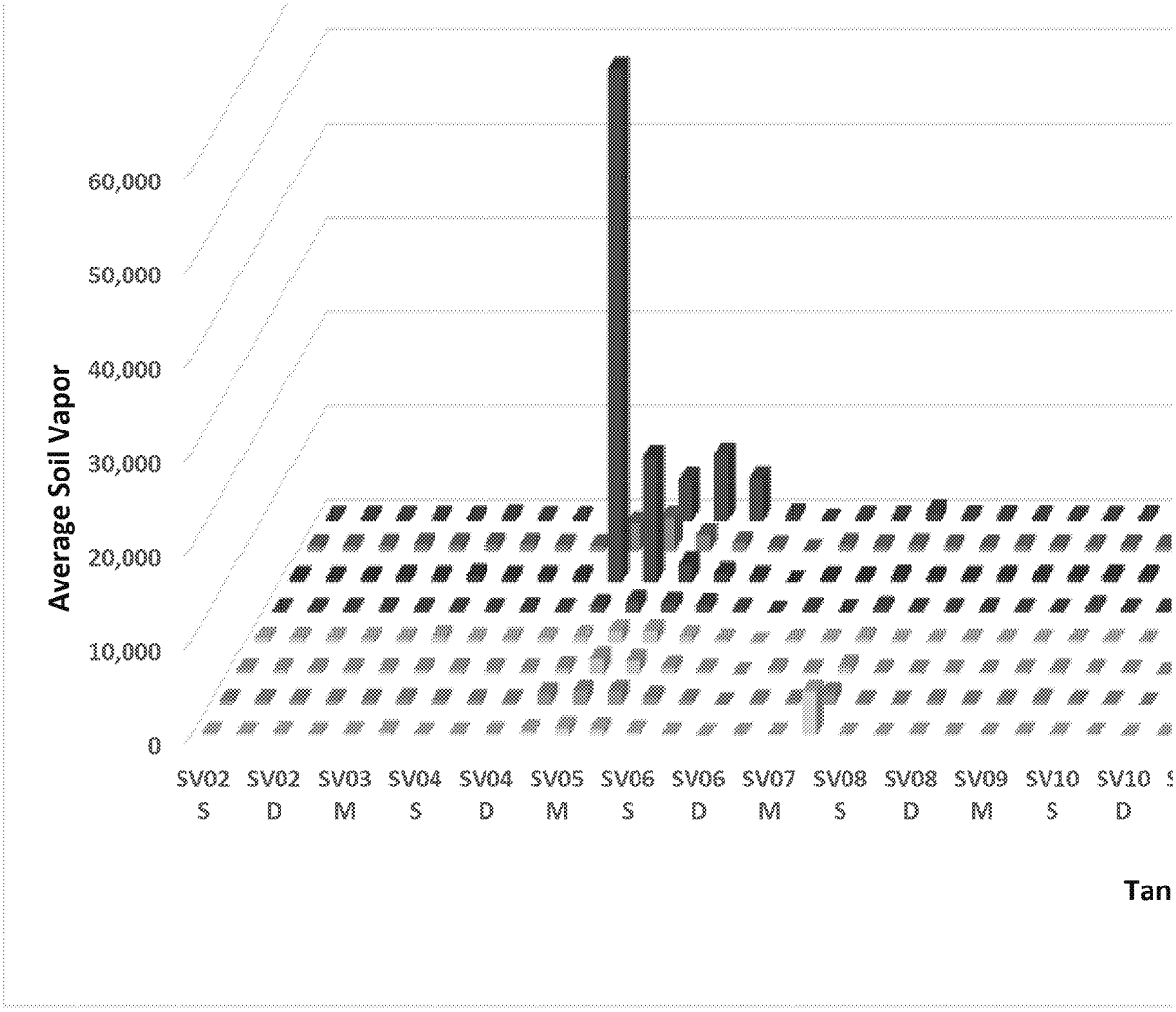


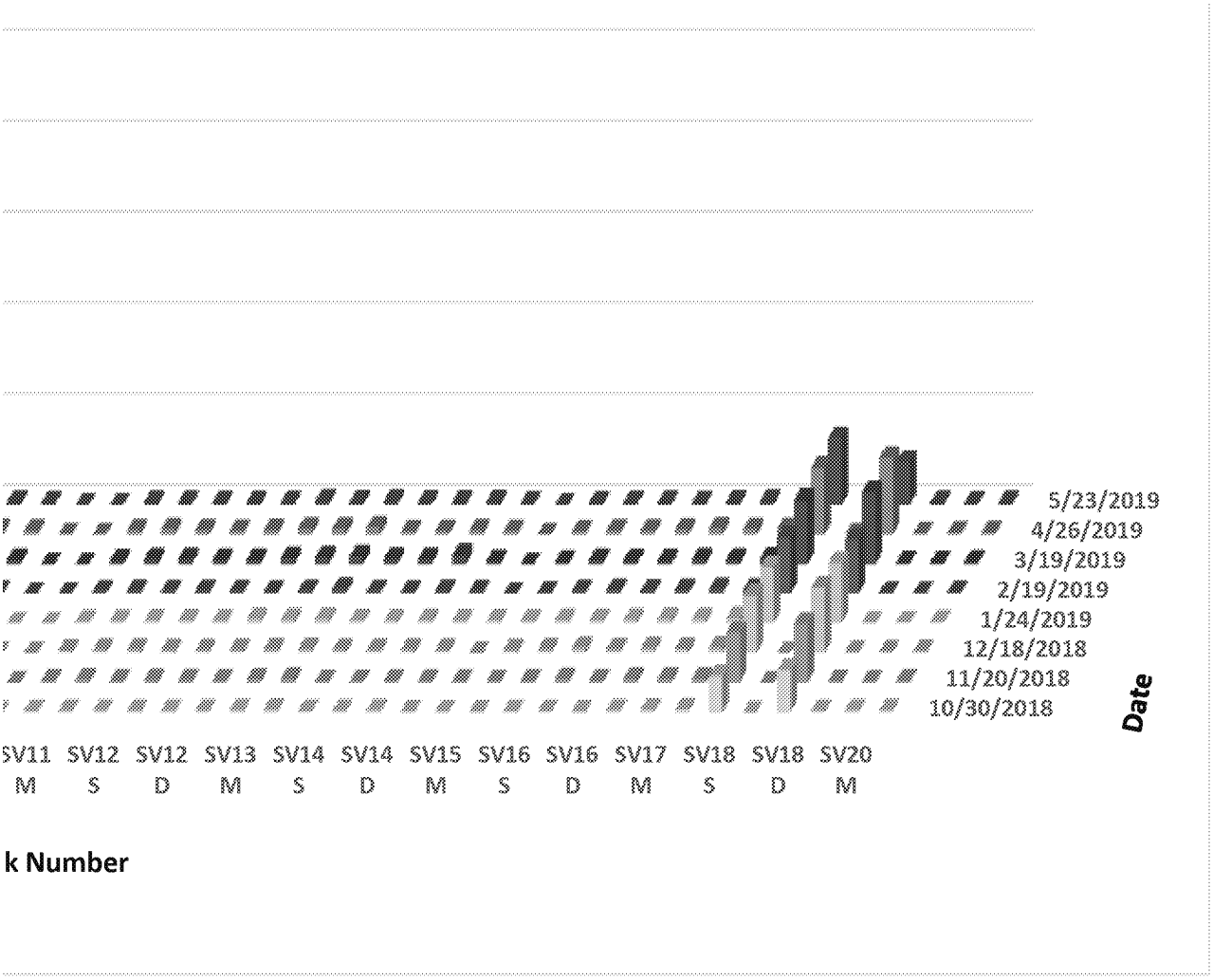
Between Oct 2018 to May 2019

to May 2019

5/23/20...
2/19/20...
11/20/2...
8/30/20...
6/20/20...
3/20/20...
12/19/2...
9/21/20...
6/22/20...
24/20...
0/2...
0...

Date


Average Soil Vapor
60,000
50,000
40,000
30,000
20,000
10,000
0
SV02 S
SV02 D
SV03 M
SV04 S
SV04 D
SV05 M
SV06 S
SV06 D
SV07 M
SV08 S
SV08 D
SV09 M
SV10 S
SV10 D
Tan

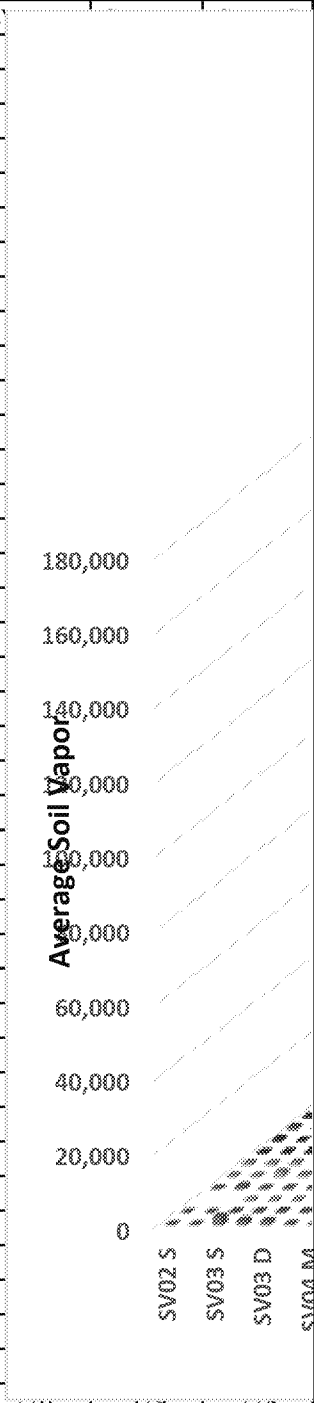

5/23/2019
4/26/2019
3/19/2019
2/19/2019
1/24/2019
12/18/2018
11/20/2018
10/30/2018
Date
SV11 M
SV12 S
SV12 D
SV13 M
SV14 S
SV14 D
SV15 M
SV16 S
SV16 D
SV17 M
SV18 S
SV18 D
SV20 M
k Number

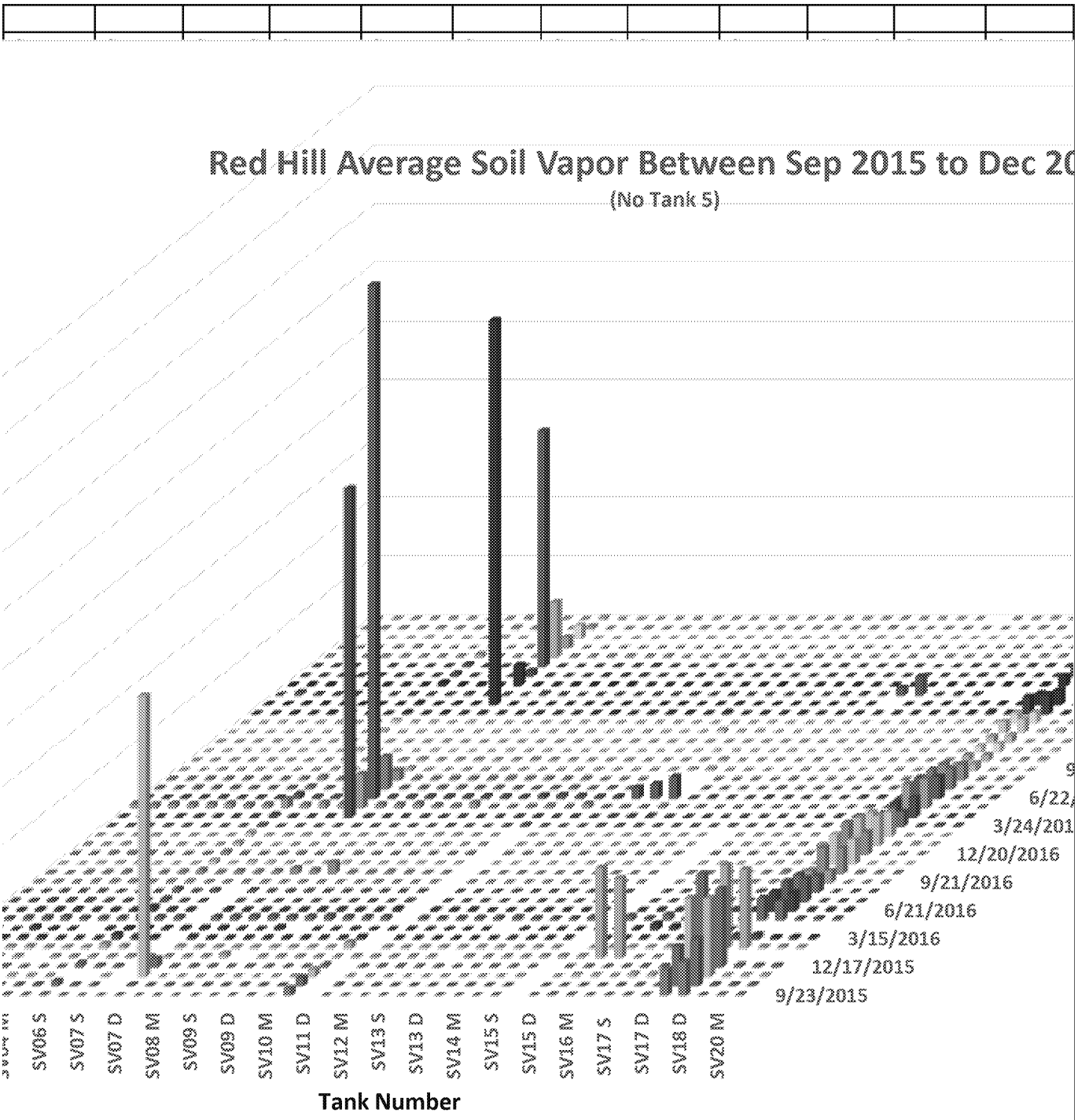
AVERAGE SOIL VAPOR CONCENTRATION READINGS						
DATE	SV02 S	SV02 M	SV02 D	SV03 S	SV03 M	SV03 D
9/23/2015	341	305	311	**2,316**	**1,334**	**1,223**
10/20/2015	276	314	323	488	552	619
11/18/2015				469	451	435
12/17/2015	320	904	226	418	434	506
1/20/2016	739	616	731	844	908	963
2/17/2016	671	664	662	761	801	888
3/15/2016	550	565	512	747	832	841
4/20/2016	454	445	393	732	784	855
5/23/2016	802	856	782	**1,194**	**1,217**	**1,382**
6/21/2016	466	464	473	703	692	763
7/22/2016	516	489	519	740	736	710
8/23/2016	396	390	390	518	516	518
9/21/2016	516	467	500	348	646	602
10/19/2016	426	332	345	652	662	727
11/17/2016	289	272	252	469	512	540
12/20/2016	543	533	469	748	757	802
1/31/2017	477	443	388	589	618	560
2/22/2017	387	291	679	452	454	438
3/24/2017	323	321	301	449	417	458
4/20/2017	461	472	436	458	480	479
5/26/2017	**1,646**	**1,321**	**1,223**	**1,628**	**1,447**	**1,474**
6/22/2017	624	502	556	654	583	699
7/21/2017	604	510	502	731	702	667
8/23/2017	519	508	503	582	576	608
9/21/2017	296	269	296	412	332	394
10/26/2017	297	289	292	370	373	373
11/29/2017	248	269	241	281	292	345
12/19/2017	310	294	292	373	363	410
1/24/2018	157	158	90	226	242	241
2/21/2018	264	254	410	361	302	341
3/20/2018	285	285	412	421	351	540
4/25/2018	356	324	353	456	436	357
5/22/2018	340	292	271	531	558	475
6/20/2018	418	659	707	559	621	466
7/25/2018	384	350	343	361	371	440
8/21/2018	354	331	400	436	424	395
8/30/2018	425	441	434	534	502	589
9/18/2018	75	129	267	205	302	450
10/30/2018	210	217	280	201	238	391
11/20/2018	339	371	394	400	384	461
12/18/2018	403	438	419	450	462	482

NC: Not collected

NC_2: Not collected due to obstruction in vapor line.

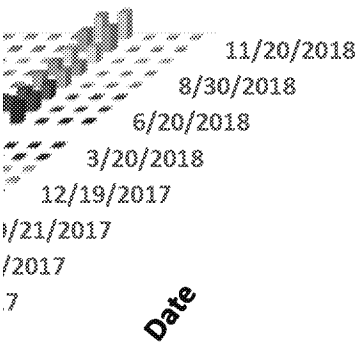
SV04 S	**SV04 M**	**SV04 D**	**SV06 S**	**SV06 M**	**SV07 S**	**SV07 M**	**SV07 D**	**SV08 S**	**S**		
460	376	304	486	130	0	0	113	0			
489	541	627	1,881	586	474		569	339			
425	395	405			328		**96,503**	87			
323	310	320	1,620	739	596		**3,086**	486			
543	557	602	1,548	846	719		714	642			
617	594	585	1,763	966	699		832	611			
520	515	501	1,797	1,025	849		956	581			
419	407	428	1,347	574	465		626	763			
1,054	**1,023**	**1,093**	**2,122**	**1,277**	**1,349**		**1,403**	**1,557**			
622	567	552	1,668	690	665		796	590			
575	526	538	1,176	437	377		427	287			
360	387	381	1,312	526	889		826	533			
660	506	630	621	335	360	428	389	293			
532	605	751	1,322	654	844	783	900	**1,955**			
306	279	297	1,379	494	904	722	554	480			
520	543	552	1,234	637	539	599	657	542			
407	352	349	1,091	302	168	329	233	353			
351	332	332	1,350	438	484	536	557	428			
343	285	320	781	219	286	299	320	304			
529	465	496	1,074	494	441	494	**112,600**	509			
1,746	**1,259**	**1,390**	**3,201**	**1,291**	**1,928**	**1,526**	11,877	**1,360**			
451	568	503	1,815	830	833	747	**175,533**	795			
539	560	637	1,135	487	633	634	11,383	715			
550	533	596	1,187	521	924	759	3,551	761			
315	276	279	662	253	396	343	966	319			
318	271	301	746	336	516	486	772	485			
281	218	195	747	220	224	247	395	195			
323	300	315	685	340	283	332	469	258			
158	156	146	912	247	297	303	436	331			
279	306	339	1,037	481	410	314	421	299			
397	255	307	701	343	470	381	437	366			
302	276	284	757	305	423	387	**131,367**	282			
299	307	271	1,190	398	492	454	593	378			
443	443	414	**1,259**	547	559	386	7,277	402			
343	337	359	**1,069**	359	366	285	1,986	319			
314	309	316	1,047	326	279	293	**80,667**	264			
460	463	456	**1,255**	466	443	439	19,037	453			
202	127	125	480	158	270	183	3,852	61			
177	178	214	402	157	125	139	4,646	118			
381	339	308	717	372	284	288	1,126	240	220	329	228
447	451	397	714	377	447	313	786	291	287	280	288



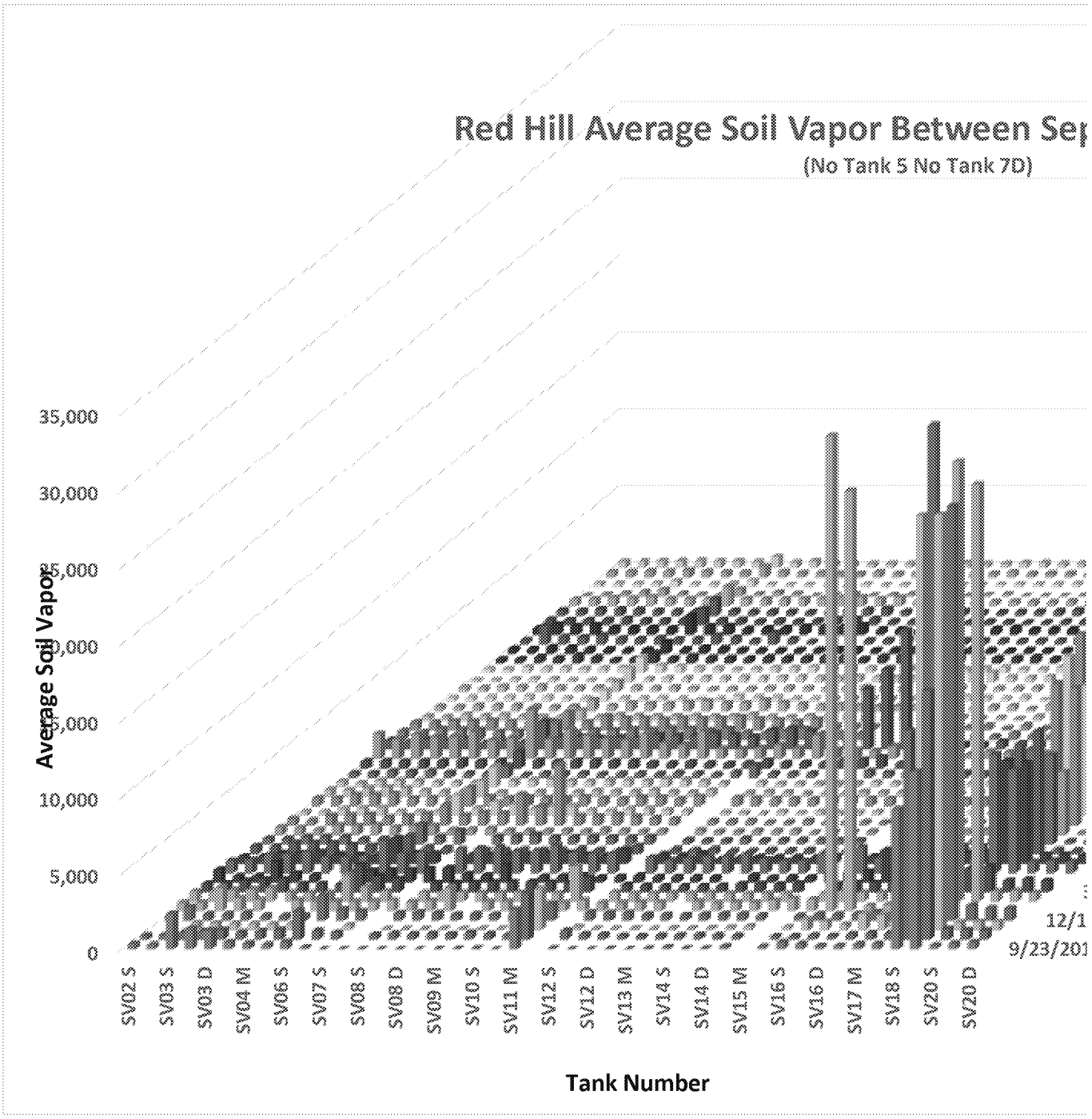


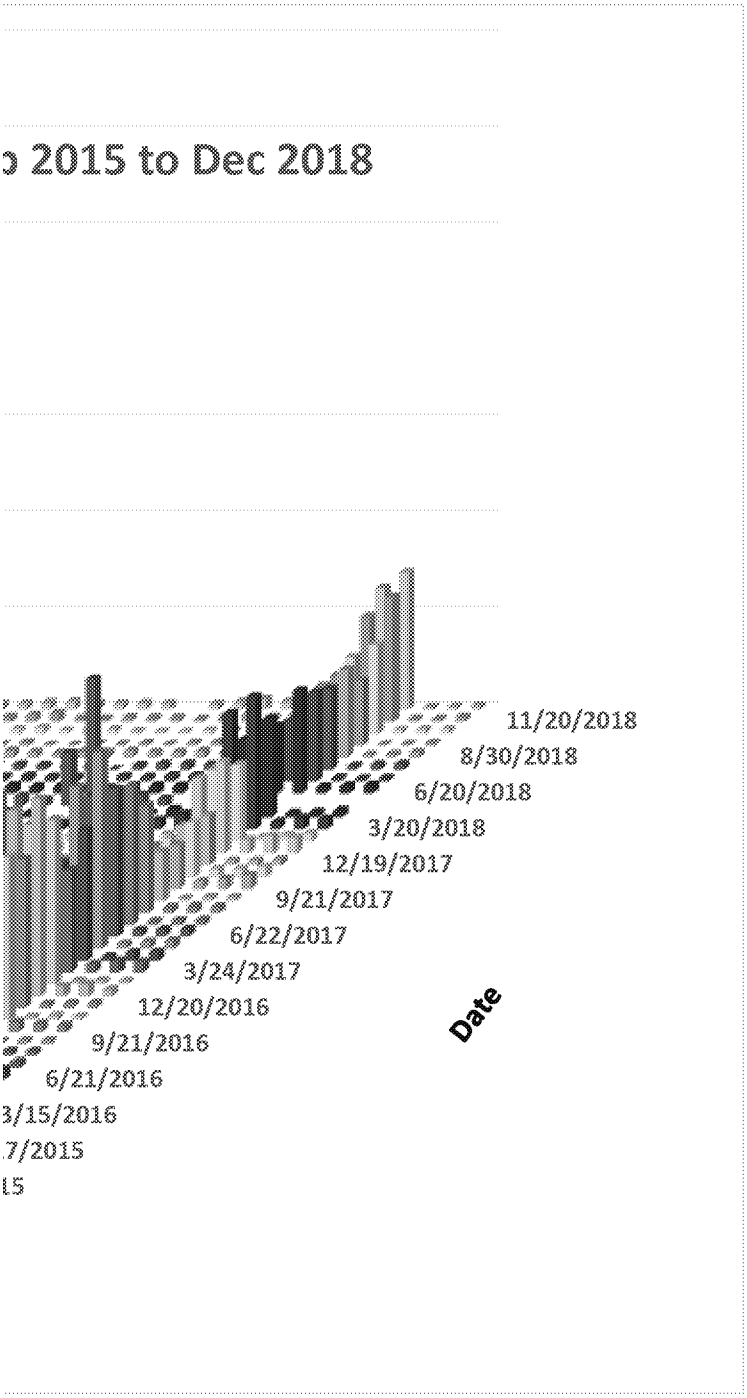
292	429	259	205	227	337	253	276	255	240	331	455
305	373	318	286	288	354	361	295	307	338	394	440

				SV15 M	SV15 D	SV16 S	SV16 M	SV16 D	SV17 S	SV17 M	SV17 D
					185	477	367	220	237	334	358
					230	240	289	249	372	439	424
					194	735	573	376	1,082	1,010	1,078
					311	416	406	432	561	612	593
					633	526	580	552	699	810	759
					530	705	603	578	765	647	714
					502	591	589	607	701	736	818
					451	332	371	344	658	726	704
					1,668	**920**	**2,147**	**1,031**	**1,033**	**928**	**990**
					463	555	576	490	660	720	766
					253	246	353	279	520	469	436
					306	280	298	287	346	404	417
					117	240	273	244	327	368	375
					308	223	236	218	412	730	640
					306	304	288	223	536	506	361
					511	430	463	432	512	586	838
					249	297	299	286	462	335	507
					284	356	338	306	442	455	492
				353	310	301	322	294	485	420	534
				293	256	229	235	206	365	398	331
				484	407	346	376	329	354	431	446
				519	403	352	362	296	519	495	401
				418	273	268	236	178	310	324	343
				344	170	245	219	169	404	300	318
				289	174	134	113	92	238	203	207
				434	114	223	280	228	281	229	348
				139	561	222	212	183	276	188	228
				271	224	329	365	258	249	208	357
				379	304	323	335	360	438	435	480
				177	188	261	256	371	367	355	372
				352	355	374	389	356	469	820	563
					182	305	286	215	450	444	406
				236	241	218	245	232	429	487	273
				257	285	412	390	387	519	449	480
				343	281	249	321	322	315	284	288
				NC2	218	293	302	259	395	410	389
				344	267	282	343	290	461	446	317
				123	79	141	179	197	203	264	313
				91	84	152	149	123	227	296	356
100	140	218	201	198	128	244	392	245	452	444	452
352	338	364	344		313	415	563	417	536	481	620



SV18 S	**SV18 D**	**SV20 S**	**SV20 M**	**SV20 D**
9,188	11,625	259	379	455
13,670	16,280	697	608	595
27,097	**27,153**	523	556	549
32,387	**27,093**	1,010	820	813
31,047	**27,463**	355	427	385
28,737	**27,267**	692	724	567
1,533	1,699	737	840	733
2,154	1,550	327	344	343
7,787	**6,740**	**724**	**813**	**730**
6,715	6,537	572	584	542
7,143	8,082	306	244	322
6,230	5,871	220	251	252
4,441	4,140	122	178	175
9,297	**9,030**	**539**	**447**	**350**
10,427	**8,562**	190	259	197
11,247	**7,833**	212	248	262
9,716	**10,312**	518	646	365
8,352	**8,613**	186	211	170
4,756	5,366	451	626	562
5,147	6,817	197	423	434
8,442	**10,253**	255	350	411
7,333	**7,718**	358	388	422
6,925	**7,241**	180	213	262
5,694	**5,599**	297	358	323
2,089	2,567	140	200	196
2,238	2,304	400	**550**	**745**
2,004	2,849	418	436	545
2,096	2,585	241	247	306
3,909	4,773	698	**896**	**807**
3,742	3,994	195	296	403
6,065	**6,908**	391	602	534
4,046	**5,112**	240	289	388
2,722	**6,588**	227	553	333
3,527	**5,366**	346	401	436
3,206	4,631	195	163	194
2,876	4,210	190	266	295
3,722	4,597	161	187	273
3,657	3,381	56	74	133
4,006	4,625	177	226	232
5,482	**6,500**	143	138	227
6353	**7163**	128	171	218


Red Hill Average Soil Vapor Between Sep
(No Tank 5 No Tank 7D)
Average Soil Vapor
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
SV02 S
SV03 S
SV03 D
SV04 M
SV06 S
SV07 S
SV08 S
SV08 D
SV09 M
SV10 S
SV11 M
SV12 S
SV12 D
SV13 M
SV14 S
SV14 D
SV15 M
SV16 S
SV16 D
SV17 M
SV18 S
SV20 S
SV20 D
12/1
9/23/201
Tank Number

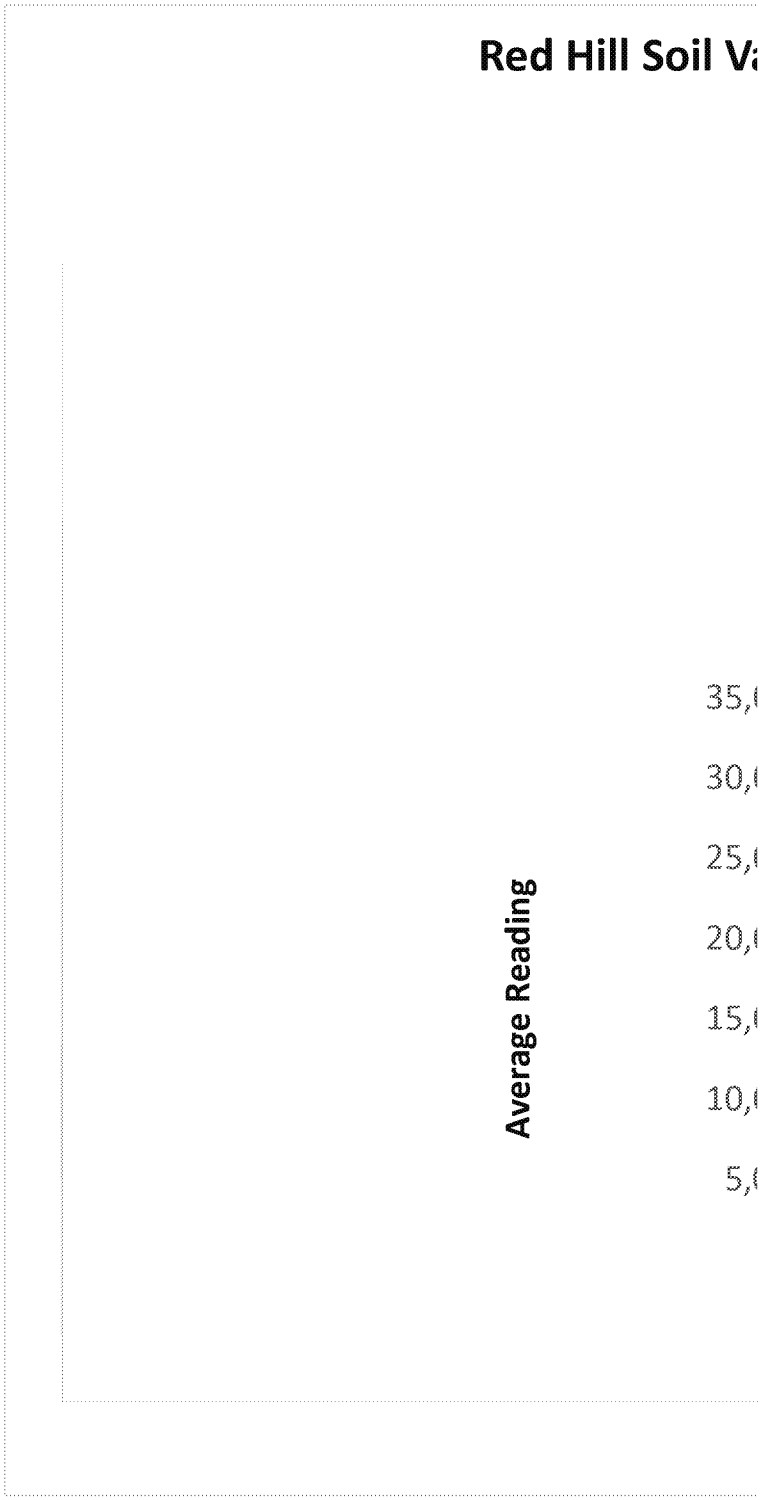

2015 to Dec 2018
11/20/2018
8/30/2018
6/20/2018
3/20/2018
12/19/2017
9/21/2017
6/22/2017
3/24/2017
12/20/2016
9/21/2016
6/21/2016
3/15/2016
7/2015
15
Date

AVERAGE SOIL VAPOR CONCENTRATION READINGS					
DATE	SV17 S	SV17 M	SV17 D	SV18 S	SV18 M
9/23/2015	237	334	358	9,188	
10/20/2015	372	439	424	**13,670**	
11/18/2015	1,082	1,010	1,078	**27,097**	
12/17/2015	561	612	593	**32,387**	
1/20/2016	699	810	759	**31,047**	
2/17/2016	765	647	714	**28,737**	
3/15/2016	701	736	818	1,533	
4/20/2016	658	726	704	2,154	
5/23/2016	**1,033**	**928**	**990**	**7,787**	
6/21/2016	660	720	766	6,715	
7/22/2016	520	469	436	7,143	
8/23/2016	346	404	417	6,230	
9/21/2016	327	368	375	4,441	
10/19/2016	412	730	640	9,297	
11/17/2016	536	506	361	**10,427**	
12/20/2016	512	586	838	**11,247**	
1/31/2017	462	335	507	**9,716**	
2/22/2017	442	455	492	8,352	
3/24/2017	485	420	534	4,756	
4/20/2017	365	398	331	5,147	
5/26/2017	354	431	446	**8,442**	
6/22/2017	519	495	401	**7,333**	
7/21/2017	310	324	343	**6,925**	
8/23/2017	404	300	318	5,694	
9/21/2017	238	203	207	2,089	
10/26/2017	281	229	348	2,238	
11/29/2017	276	188	228	2,004	
12/19/2017	249	208	357	2,096	
1/24/2018	438	435	480	3,909	
2/21/2018	367	355	372	3,742	
3/20/2018	469	820	563	**6,065**	
4/25/2018	450	444	406	4,046	
5/22/2018	429	487	273	2,722	
6/20/2018	519	449	480	3,527	
7/25/2018	315	284	288	3,206	
8/21/2018	395	410	389	2,876	
8/30/2018	461	446	317	3,722	
9/18/2018	203	264	313	3,657	
10/30/2018	227	296	356	4,006	
11/20/2018	452	444	452	**5,482**	
12/18/2018	536	481	620	**6353**	

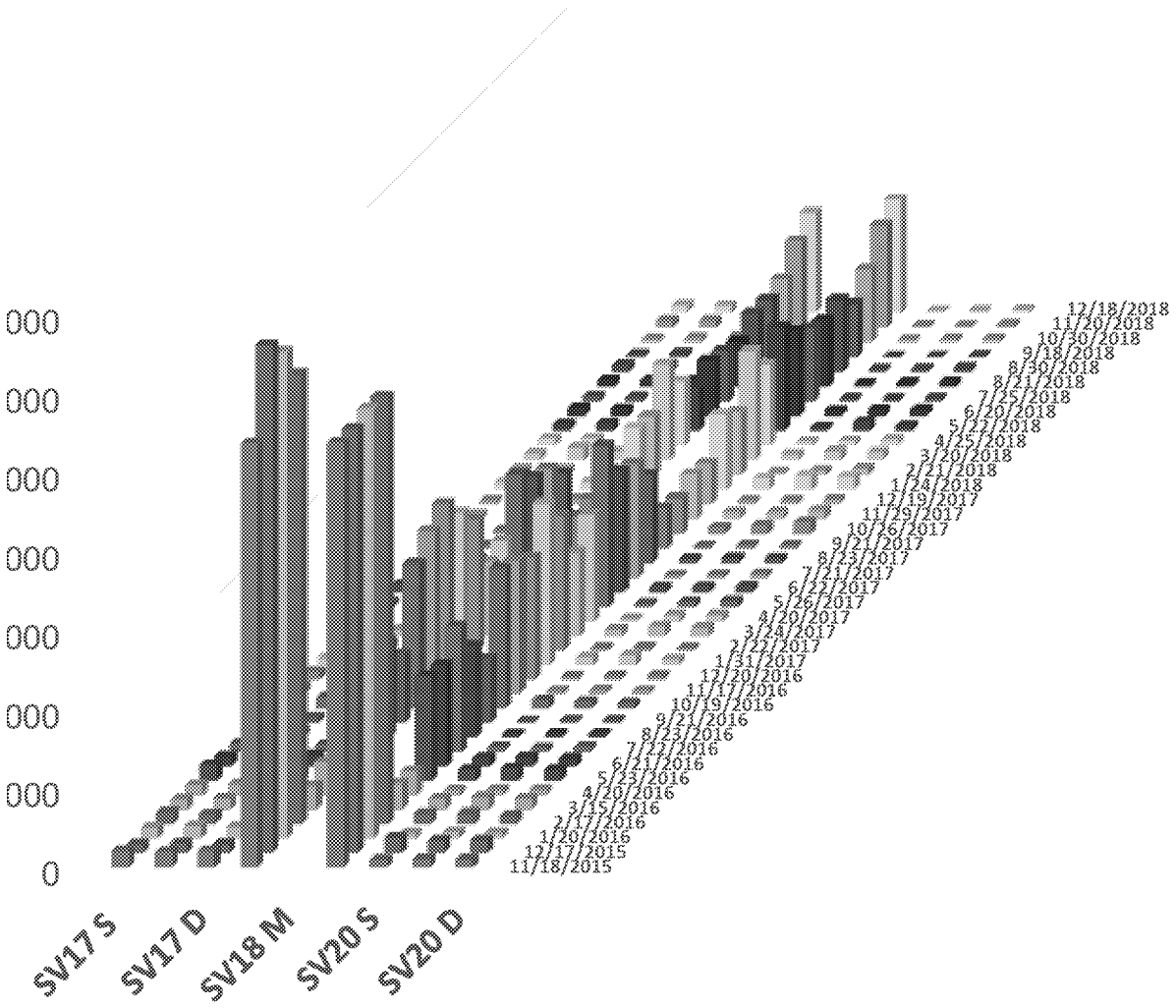
NC: Not collected

NC_2: Not collected due to obstruction in vapor line.

SV18 D	**SV20 S**	**SV20 M**	**SV20 D**
11,625	259	379	455
16,280	697	608	595
27,153	523	556	549
27,093	1,010	820	813
27,463	355	427	385
27,267	692	724	567
1,699	737	840	733
1,550	327	344	343
6,740	**724**	**813**	**730**
6,537	572	584	542
8,082	306	244	322
5,871	220	251	252
4,140	122	178	175
9,030	**539**	**447**	**350**
8,562	190	259	197
7,833	212	248	262
10,312	518	646	365
8,613	186	211	170
5,366	451	626	562
6,817	197	423	434
10,253	255	350	411
7,718	358	388	422
7,241	180	213	262
5,599	297	358	323
2,567	140	200	196
2,304	400	**550**	**745**
2,849	418	436	545
2,585	241	247	306
4,773	698	**896**	**807**
3,994	195	296	403
6,908	391	602	534
5,112	240	289	388
6,588	227	553	333
5,366	346	401	436
4,631	195	163	194
4,210	190	266	295
4,597	161	187	273
3,381	56	74	133
4,625	177	226	232
6,500	143	138	227
7163	128	171	218



apor Comparison of Tank 18 with Adjacent Tanks Dec 2018 to Sep 201!



Tank Number

5