Application Part I*I*

Constituents in mg/l

API	Section	Township	Range	Formation	TDS	Chloride	Bicarbonate	Sulfate
3001501068	5	21S	27E	Artesia	10050	4050	9	2533
3001501069	5	21S	27E	Artesia	11250	4553	936	2281
3001501091	15	21S	27E	Artesia	11800	5250	336	2150
3001502475	36	21S	28E	Atoka	50026	29200	762	1150
3001502475	36	21S	28E	Atoka	31911	18000	1220	887
3001538059	16	23S	29E	Avalon Upper	154164	92021	3660	0
3001538059	16	23S	29E	Avalon Upper	154965	91118	1671	1502
3001503691	24	23S	29E	Bone Spring	271010	168800	130	100
3001540502	2	21S	27E	Bone Spring 1	194059	113785	2318	0
3001541057	2	21S	27E	Bone Spring 1	195360	115827	2367	0
3001540829	2	21S	27E	Bone Spring 1	134953	83430	74	0
3001541057	2	21S	27E	Bone Spring 1	185973	114606	60	0
3001540502	2	21S	27E	Bone Spring 1	185384	110500	805	0
3001540829	2	21S	27E	Bone Spring 1	183551	110000	744	0
3001541057	2	21S	27E	Bone Spring 1	185576	110300	781	0
3001540693	3	21S	27E	Bone Spring 1	155191	97600	659	725
3001540693	3	21S	27E	Bone Spring 1	173978	108457	793	667
3001540681	3	21S	27E	Bone Spring 1	190277	114751	634	0
3001540682	3	21S	27E	Bone Spring 1	175293	110483	793	0
3001540707	3	21S	27E	Bone Spring 1	192124	113742	2200	0
3001540758	3	21S	27E	Bone Spring 1	190432	114235	1950	0
3001540683	3	21S	27E	Bone Spring 1	192472	114357	982	0
3001540693	3	21S	27E	Bone Spring 1	187795	111544	2318	0
3001540681	3	21S	27E	Bone Spring 1	186502	109900	744	0
3001540682	3	21S	27E	Bone Spring 1	183721	109500	756	0
3001540683	3	21S	27E	Bone Spring 1	185782	111000	793	0
3001540693	3	21S	27E	Bone Spring 1	179870	106500	720	0
3001540707	3	21S	27E	Bone Spring 1	186629	111000	817	0
3001540758	3	21S	27E	Bone Spring 1	185297	109500	708	0
3001541058	9	21S	27E	Bone Spring 1	195011	115854	2318	0

EXHIBIT F

Constituents in mg/l

API	Section	Township	Range	Formation	TDS	Chloride	Bicarbonate	Sulfate
3001541059	9	21S	27E	Bone Spring 1	204728	120015	2427	0
3001541058	9	21S	27E	Bone Spring 1	178476	105464	952	0
3001541059	9	21S	27E	Bone Spring 1	192106	113193	976	1270
3001541059	9	21S	27E	Bone Spring 1	192037	113193	976	0
3001542084	13	21S	27E	Bone Spring 1	195134	113705	2403	0
3001542084	13	21S	27E	Bone Spring 1	129394	76901	1122	0
3001541148	16	23S	29E	Bone Spring 1	152943	92807	2306	0
3001541149	16	23S	29E	Bone Spring 1	153042	92918	2708	0
3001541150	16	23S	29E	Bone Spring 1	146425	84786	2660	0
3001540038	16	23S	29E	Bone Spring 1	153751	91697	952	755
3001540503	2	21S	27E	Bone Spring 2	214073	129855	671	0
3001540503	2	21S	27E	Bone Spring 2	209153	125000	769	0
3001541650	13	21S	27E	Bone Spring 2	210720	125168	183	0
3001541650	13	21S	27E	Bone Spring 2	191808	118330	159	0
3001541738	13	21S	27E	Bone Spring 2	217522	136229		799
3001541240	33	23S	27E	Bone Spring 2	201244	121289	61	0
3001541240	33	23S	27E	Bone Spring 2	138167	78243	110	0
3001540372	13	21S	27E	Brushy Canyon	207014	127509	183	1724
3001540372	13	21S	27E	Brushy Canyon	234863	142662	159	0
3001540522	13	21S	27E	Brushy Canyon	241476	144690	77	0
3001541134	13	21S	27E	Brushy Canyon	239079	144882	220	0
3001541135	13	21S	27E	Brushy Canyon	245935	147321	244	0
3001540372	13	21S	27E	Brushy Canyon	233134	142900	73	0
3001540522	13	21S	27E	Brushy Canyon	235338	146100	61	0
3001541134	13	21S	27E	Brushy Canyon	234428	143900	73	0
3001541135	13	21S	27E	Brushy Canyon	231444	146300	37	0
3001536078	16	23S	29E	Brushy Canyon	298475	182394	25	3
3001536078	16	23S	29E	Brushy Canyon	303155	183875	610	0
3001536078	16	23S	29E	Brushy Canyon	273399	168200	85	454
3001536461	22	23S	29E	Brushy Canyon	297620	186000	188	0

EXHIBIT F

Constituents in mg/l

API	Section	Township	Range	Formation	TDS	Chloride	Bicarbonate	Sulfate
3001536738	22	23S	29E	Brushy Canyon	288731	179021	122	0
3001535073	22	23S	29E	Brushy Canyon	108093			
3001536461	22	23S	29E	Brushy Canyon	302545	188800	37	0
3001536738	22	23S	29E	Brushy Canyon	294876	181883	61	0
3001536461	22	23S	29E	Brushy Canyon	292358	184250	244	0
3001536738	22	23S	29E	Brushy Canyon	292239	183597	122	0
3001535073	22	23S	29E	Brushy Canyon	303550	187467	104	331
3001537371	22	23S	29E	Brushy Canyon	279275	172189	183	177
3001540826	31	23S	29E	Brushy Canyon	297841	180802	85	0
3001540827	31	23S	29E	Brushy Canyon	295110	181795	73	0
3001541963	31	23S	29E	Brushy Canyon	296788	178388	73	0
3001510817	5	21S	27E	Capitan	29392	18020	389	435
3001510817	5	21S	27E	Capitan	27900	13600	588	3800
3001510817	5	21S	27E	Capitan	27400	13200	630	3880
3001510817	5	21S	27E	Capitan	28000	13800	626	3690
3001510817	5	21S	27E	Capitan	28200	14000	636	3570
3001510817	5	21S	27E	Capitan	28700	14800	646	3040
3001524707	7	21S	28E	Delaware	153408	103522	719	248
3001521715	35	21S	28E	Delaware	149252	99299	267	2082
3001521853	35	21S	28E	Delaware	146197	96177	400	1764
3001522229	35	21S	28E	Delaware	148805	99247	335	1729
3001522671	35	21S	28E	Delaware	144959	95968	200	1883
3001522673	35	21S	28E	Delaware	163756	110195	135	1662
3001524968	35	21S	28E	Delaware	136419	89021	398	1682
3001520204	10	22S	27E	Delaware	158000	96200	572	1400
3001520204	10	22S	27E	Delaware	157000	95000	574	1400
3001527528	3	22S	28E	Delaware	162875	109783	417	1672
3001528736	3	22S	28E	Delaware	158759	107057	270	1465
3001521959	7	22S	28E	Delaware	118293	69100	134	3800
3001521959	7	22S	28E	Delaware	124945	73100	139	3900

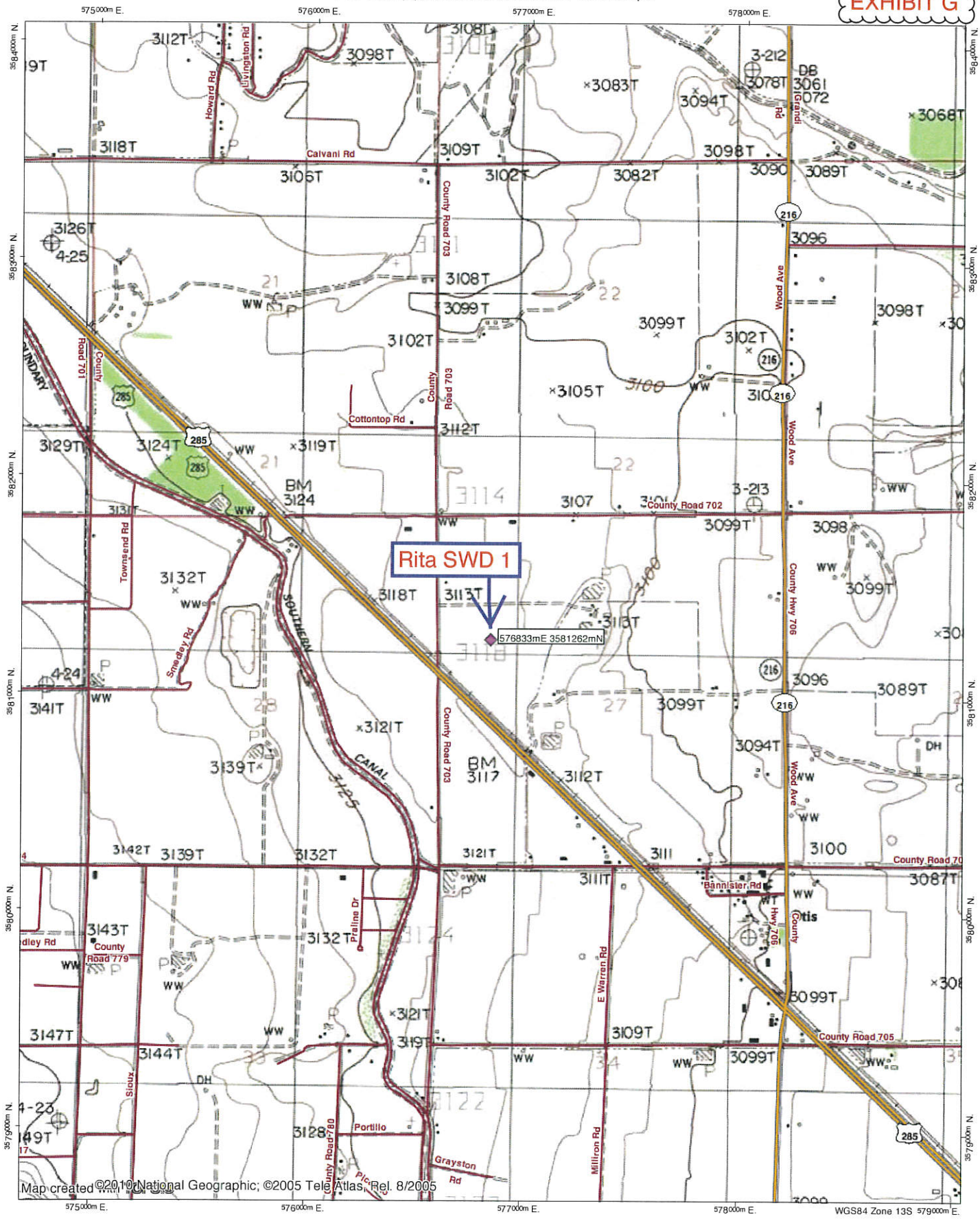
EXHIBIT F

Constituents in mg/l

API	Section	Township	Range	Formation	TDS	Chloride	Bicarbonate	Sulfate
3001524933	10	22S	28E	Delaware	164679	112250	271	1107
3001525303	10	22S	28E	Delaware	116788	74967	395	1622
3001521618	18	22S	28E	Delaware	129878	77300	439	2600
3001521619	18	22S	28E	Delaware	126911	74800	525	3300
3001521766	18	22S	28E	Delaware	123893	74100	671	2000
3001521765	18	22S	28E	Delaware	124756	74500	342	2200
3001520918	18	22S	28E	Delaware	128431	76200	98	3200
3001521504	19	22S	28E	Delaware	127652	76200	415	2600
3001521504	19	22S	28E	Delaware	122782	73800	120	2100
3001521844	19	22S	28E	Delaware	130991	78000	586	1800
3001501114	12	23S	27E	Delaware	129765	79570	101	175
3001503979	33	16S	30E	Devonian	63260	34400	1260	3600
3001502475	36	21S	28E	Devonian	16223	7000	1030	2290
3001502475	36	21S	28E	Devonian	19941	10700	640	1130
3001503691	24	23S	29E	Devonian	64582	37500	610	1700
3001503691	24	23S	29E	Devonian	56922	29000	1740	4980
3001520157	30	22S	28E	Morrow	53480	32300	476	58
3001522553	17	23S	29E	Morrow	62523	37600	142	810
3001503979	33	16S	30E	Wolfcamp	13711	6990	162	1500

TOPO! map printed on 01/13/19 from "Untitled.tpo"

EXHIBIT G



WGS84 Zone 13S

NATIONAL GEOGRAPHIC

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 miles
0.0 0.5 1.0 km

TN MN 7°

01/13/19

EXHIBIT G

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04027 POD1		CUB	ED	1	3	1	27	22S	27E	576704	3581378	173	140	55	85
C 00150		CUB	ED	3	1	1	27	22S	27E	576643	3581501*	305	80		
C 00150 A	O	CUB	ED	3	1	1	27	22S	27E	576643	3581501*	305	147		
C 00095 CLW196524	O	CUB	ED	2	1	3	27	22S	27E	576847	3580888*	374	157	112	45
C 00572		CUB	ED	2	4	1	27	22S	27E	577250	3581301*	418	98	90	8
C 00901		C	ED	1	2	1	27	22S	27E	577048	3581707*	494	193	40	153
C 03392 POD1		C	ED	2	2	4	28	22S	27E	576508	3580886	496	140	70	70
C 00587		C	ED	2	2	2	28	22S	27E	576438	3581696*	586	130	84	46
C 00588		C	ED	2	2	1	27	22S	27E	577248	3581707*	608	200		
C 00095		CUB	ED	3	2	3	27	22S	27E	577052	3580694*	608	157		
C 00009		CUB	ED	3	3	3	22	22S	27E	576641	3581908	673	165	100	65
C 00152		C	ED	3	3	3	22	22S	27E	576641	3581908*	673	151		
C 03064		C	ED	4	2	4	28	22S	27E	576442	3580682*	699	125	70	55
C 03129	O	C	ED	4	2	4	28	22S	27E	576442	3580682*	699	115		
C 00194		C	ED	1	4	3	27	22S	27E	577054	3580487*	805	165	100	65
C 01829		CUB	ED	3	2	4	28	22S	27E	576242	3580682*	828	125		
C 02149 CLW468826	O	C	ED			4	28	22S	27E	576141	3580572*	977	125	70	55
C 00056		CUB	ED	1	3	2	28	22S	27E	575835	3581284*	998	98		
C 01744		C	ED		4	4	28	22S	27E	576345	3580377*	1010	140	100	40
C 00015 CLW238653	O	CUB	ED		1	4	28	22S	27E	575938	3580778*	1017	200		
C 00015		CUB	ED	4	4	4	28	22S	27E	576444	3580276*	1059	200		
C 00486		C	ED	4	4	4	28	22S	27E	576444	3580276*	1059	146		
C 02149		C	ED	4	4	4	28	22S	27E	576444	3580276*	1059	119	62	57
C 00614		C	ED	3	1	3	22	22S	27E	576639	3582314*	1069	95	60	35
C 02117		CUB	ED	1	1	2	28	22S	27E	575834	3581691*	1087	150	60	90
C 00613		C	ED	4	2	4	21	22S	27E	576434	3582309*	1120	100	60	40
C 02512		C	ED		1	3	22	22S	27E	576740	3582415*	1156	68	38	30
C 02512 POD2		C	ED		1	3	22	22S	27E	576740	3582415*	1156	142	57	85
C 03062		CUB	ED	3	2	4	27	22S	27E	577863	3580706*	1170	150	100	50
C 03763 POD1		C	ED	1	2	2	28	22S	27E	575687	3581616	1199	240	55	185

C_00229		CUB	ED	1	1	1	34	22S	27E	576650	3580074		1201	200		
C_00467		C	ED		2	4	27	22S	27E	577964	3580807*		1219	200	74	126
C_02903		C	ED	3	4	4	22	22S	27E	577858	3581926*		1221	57	40	17
C_02259		C	ED		2	4	21	22S	27E	576335	3582410*		1251	60	45	15
C_02558		C	ED		2	4	21	22S	27E	576335	3582410*		1251	55	36	19
C_00532		C	ED	2	2	2	27	22S	27E	578060	3581720*		1309	90		
C_00653		C	ED	1	1	2	34	22S	27E	577462	3580087*		1332	120	80	40
C_00562		C	ED	4	2	4	27	22S	27E	578063	3580706*		1349	150		
C_00027		CUB	ED	4	4	3	21	22S	27E	575628	3581891		1359	166		
C_00027 CLW238752	O	CUB	ED	4	4	3	21	22S	27E	575628	3581891*		1359	166		
C_00251		C	ED		4	4	22	22S	27E	577959	3582027*		1361	84		
C_02881		C	ED		4	4	22	22S	27E	577959	3582027*		1361	60	39	21
C_03364 POD2		C	ED	4	3	4	27	22S	27E	577765	3580249		1376	250		
C_03364 POD1	R	C	ED	4	3	4	27	22S	27E	577765	3580245		1379	107	50	57
C_02488		C	ED		4	4	27	22S	27E	577966	3580401*		1423	76	38	38
C_02961		C	ED	3	1	4	21	22S	27E	575830	3582303*		1445	150	70	80
C_03553 POD1		C	ED	4	2	2	33	22S	27E	576554	3579841		1447	200	75	125
C_00077		CUB	ED	1	1	1	26	22S	27E	578266	3581726*		1506	118	40	78
C_00014		CUB	ED	3	2	3	28	22S	27E	575434	3580672*		1518	202		
C_00078		CUB	ED	3	1	3	26	22S	27E	578269	3580712*		1537	180		
C_01242		CUB	ED	1	3	3	23	22S	27E	578264	3582133*		1675	155	40	115
C_00455		C	ED	2	2	2	34	22S	27E	578066	3580093*		1699	133		
C_00981		C	ED	2	2	2	34	22S	27E	578066	3580093*		1699	250	41	209
C_02458		CUB	ED	2	2	2	34	22S	27E	578066	3580093*		1699			
C_00030 CLW193040	O	CUB	ED	1	3	2	34	22S	27E	577465	3579680*		1703	220	69	151
C_00030 CLW193055	O	CUB	ED	1	3	2	34	22S	27E	577465	3579680*		1703	205		
C_00030 S		CUB	ED	1	3	2	34	22S	27E	577465	3579680*		1703	200	69	131
C_00825		CUB	ED	3	3	3	26	22S	27E	578270	3580306*		1725	132	68	64
C_00436		C	ED		3	3	26	22S	27E	578371	3580407*		1759	88	48	40
C_00747		CUB	ED	3	3	2	21	22S	27E	575828	3582709*		1761	148	85	63
C_00747 CLW198561	O	CUB	ED	3	3	2	21	22S	27E	575828	3582709*		1761	148		
C_02392		C	ED		4	2	33	22S	27E	576350	3579564*		1765	150	48	102
C_01713		C	ED	3	1	3	23	22S	27E	578262	3582339*		1789	101	46	55
C_02787		C	ED	1	3	1	28	22S	27E	575028	3581274*		1805	143	54	89
C_00014 CLW244969	O	CUB	ED	3	3	1	28	22S	27E	575028	3581074*		1814	205		
C_00014 CLW244972	O	CUB	ED	3	3	1	28	22S	27E	575028	3581074*		1814	205		
C_00014 S		CUB	ED	3	3	1	28	22S	27E	575028	3581074*		1814	205		
C_00880		C	ED	4	2	2	34	22S	27E	578066	3579893*		1842	190		
C_00212 CLW193845	O	CUB	ED	1	1	1	35	22S	27E	578271	3580099*		1849			

1 mile = 1610 m

EXHIBIT G

C_00531		CUB	ED	1	1	1	35	22S	27E	578271	3580099*	1849	150	87	63
C_03738 POD1		C	ED	1	1	3	34	22S	27E	576785	3579382	1880	137	68	69
C_03434 POD1		C	ED	4	4	2	29	22S	27E	574876	3581101	1963	99	75	24
C_00215		CUB	ED	4	3	2	33	22S	27E	576044	3579458*	1968	180	150	30
C_00356		C	ED				34	22S	27E	577363	3579359*	1975	155	45	110
C_01805		C	ED			3	23	22S	27E	578566	3582235*	1987	125	98	27
C_00030		CUB	ED	1	2	3	34	22S	27E	577062	3579267*	2008	205	50	155
C_00030 CLW193032	O	CUB	ED	1	2	3	34	22S	27E	577062	3579267*	2008	205		
C_02631		C	ED	4	4	2	29	22S	27E	574823	3581067*	2019	96	69	27
C_00191		CUB	ED	3	3	2	33	22S	27E	575844	3579458*	2057	200		
C_02648		C	ED		4	2	29	22S	27E	574724	3581168*	2111	200	66	134
C_03073		C	ED	4	4	2	34	22S	27E	578068	3579486*	2163	150	122	28
C_02996		C	ED	1	1	1	33	22S	27E	575034	3580055*	2166	120	62	58
C_01776		C	ED		3	1	23	22S	27E	578361	3582846*	2200	157	40	117
C_00287		CUB	ED	3	1	3	34	22S	27E	576657	3579061*	2208			
C_02230		C	ED				33	22S	27E	575742	3579340*	2210	260	90	170
C_02449		C	ED				33	22S	27E	575742	3579340*	2210	300	70	230
C_00171		CUB	ED	1	2	4	34	22S	27E	577870	3579279*	2237	198	21	177
C_00171 CLW193980	O	CUB	ED	1	2	4	34	22S	27E	577870	3579279*	2237	265		
C_00410		CUB	ED	4	4	3	26	22S	27E	578875	3580313*	2251	150	50	100
C_01312		CUB	ED		3	1	35	22S	27E	578373	3579593*	2270	203	65	138
C_01523		C	ED	3	3	1	35	22S	27E	578272	3579492*	2281	118	60	58
C_00644		CUB	ED	3	2	4	33	22S	27E	576251	3579056*	2281	190		
C_00644 CLW198574	O	CUB	ED	3	2	4	33	22S	27E	576251	3579056*	2281	100		
C_00016		CUB	ED	3	3	1	21	22S	27E	575018	3582698	2314	167		
C_00016 CLW202898	O	CUB	ED	3	3	1	21	22S	27E	575018	3582698*	2314	209		
C_03085		C	ED	2	2	2	32	22S	27E	574830	3580049*	2341	155	82	73
C_03043		C	ED	2	3	3	34	22S	27E	576859	3578855*	2407	118	68	50
C_00193		CUB	ED	1	3	1	33	22S	27E	575035	3579649*	2415	190		
C_03074		C	ED	4	3	1	33	22S	27E	575235	3579449*	2416	115	85	30
C_00559		C	ED	3	4	4	29	22S	27E	574628	3580255*	2424	200		
C_02502		C	ED		2	2	32	22S	27E	574731	3579950*	2477	98	64	34
C_03290		C	ED	1	3	3	34	22S	27E	576715	3578778	2486	127	72	55
C_00231 A		CUB	ED	1	4	1	23	22S	27E	578666	3582951*	2492	178	45	133
C_03063		CUB	ED	1	4	1	23	22S	27E	578666	3582951*	2492	163	40	123
C_01700		C	ED		3	3	34	22S	27E	576760	3578756*	2507	205	118	87
C_01801		C	ED		3	3	34	22S	27E	576760	3578756*	2507	220		
C_00680		C	ED	3	1	3	35	22S	27E	578272	3579085*	2609	150	46	104

EXHIBIT G

C_01172		CUB	ED	3	4	3	34	22S	27E	577064	3578661*		2611	220		
C_04279		C	ED	3	3	3	14	22S	27E	578253	3583498		2649	200	35	165
C_00282		CUB	ED	3	2	2	26	22S	27E	579482	3581546*		2664	125	50	75
C_00515		CUB	ED	3	4	4	33	22S	27E	576254	3578650*		2675	180	80	100
C_00515 CLW197977	O	CUB	ED	3	4	4	33	22S	27E	576254	3578650*		2675	180		
C_01010		C	ED		4	3	16	22S	27E	575519	3583617*		2696	150		
C_00178		CUB	ED	1	2	3	35	22S	27E	578677	3579293*		2697	119		
C_00586		CUB	ED	1	2	3	35	22S	27E	578677	3579293*		2697	254		
C_02590		C	ED	2	1	2	32	22S	27E	574425	3580043*		2698	87	45	42
C_02590 POD2		C	ED	2	1	2	32	22S	27E	574425	3580043*		2698	300	114	186
C_00043		C	ED	3	3	3	14	22S	27E	578256	3583557*		2700	120		
C_03066		C	ED	1	1	3	33	22S	27E	575037	3579243*		2702	240		
C_02262		C	ED		4	2	32	22S	27E	574732	3579544*		2713	128	60	68
C_03505 POD1		C	ED	3	2	2	26	22S	27E	579548	3581491		2724	80		
C_03013		C	ED	4	1	3	33	22S	27E	575237	3579043*		2733	118	63	55
C_02667		C	ED	1	3	4	29	22S	27E	574223	3580448*		2733	128	81	47
C_00279		C	ED		2	2	26	22S	27E	579583	3581647*		2776	160	48	112
C_00410 CLW195750	O	CUB	ED	3	4	4	26	22S	27E	579486	3580329*		2812	209	41	168
C_00114		CUB	ED	3	1	4	20	22S	27E	574210	3582279*		2813	253		
C_01973		C	ED	1	1	1	03	23S	27E	576661	3578453*		2814	127	90	37
C_03130		C	ED	4	2	1	29	22S	27E	574010	3581461*		2830	162		
C_02587	R	C	ED		2	2	26	22S	27E	579630	3581720		2834	71	12	59
C_00210		CUB	ED	3	3	2	35	22S	27E	579082	3579508*		2852	211		
C_00210 CLW193708	O	CUB	ED	3	3	2	35	22S	27E	579082	3579508*		2852	211		
C_02977		C	ED	1	1	2	03	23S	27E	577470	3578466*		2867	179	125	54
C_01761		C	ED			3	35	22S	27E	578575	3578980*		2870	135	85	50
C_03476 POD1		C	ED	2	2	2	04	23S	27E	576488	3578407		2875	200		
C_03274		C	ED	4	4	3	33	22S	27E	575643	3578641*		2878	130	81	49
C_03028		C	ED	1	1	2	32	22S	27E	574225	3580043*		2878	217	89	128
C_02412		C	ED	2	3	3	33	22S	27E	575238	3578836*		2903	251	65	186
C_01971		C	ED		1	1	03	23S	27E	576762	3578354*		2908	164	145	19
C_01989		C	ED		1	1	03	23S	27E	576762	3578354*		2908	168	88	80
C_02146		C	ED		1	1	03	23S	27E	576762	3578354*		2908	125	125	0
C_02148		C	ED		1	1	03	23S	27E	576762	3578354*		2908	125	70	55
C_02150		C	ED		1	1	03	23S	27E	576762	3578354*		2908	125	70	55
C_02154		C	ED		1	1	03	23S	27E	576762	3578354*		2908	125	70	55
C_02166		C	ED		1	1	03	23S	27E	576762	3578354*		2908	140	75	65
C_00163		C	ED	2	4	3	20	22S	27E	574007	3582067*		2938	184	80	104
C_03030		C	ED	3	1	2	32	22S	27E	574225	3579843*		2969	100	53	47

EXHIBIT G

C 02324		C	ED		1	2	03	23S	27E	577571	3578367*	2987	125	75	50
C 02696		C	ED	1	3	3	33	22S	27E	575038	3578836*	3017	124	71	53
C 00343		CUB	ED	4	3	2	32	22S	27E	574427	3579437*	3019	200		
C 03480 POD1		C	ED	3	2	3	16	22S	27E	575466	3583961	3025	74	41	33
C 00597		C	ED	1	2	3	29	22S	27E	573815	3580848*	3046	140	90	50
C 02433		C	ED	4	3	3	33	22S	27E	575238	3578636*	3072	96	64	32
C 02242		CUB	ED	1	1	4	15	22S	27E	577186	3584336	3094	150	22	128
C 00393		CUB	ED	3	1	3	25	22S	27E	579890	3580742*	3100	200	30	170
C 00393 CLW198205	O	CUB	ED	3	1	3	25	22S	27E	579890	3580742*	3100	193	37	156
C 00393 CLW198226	O	CUB	ED	3	1	3	25	22S	27E	579890	3580742*	3100	200	40	160
C 00393 CLW223748	O	CUB	ED	3	1	3	25	22S	27E	579890	3580742*	3100	200	30	170
C 00283		C	ED		2	2	03	23S	27E	577973	3578373*	3105	108	60	48
C 02226		C	ED		2	2	03	23S	27E	577973	3578373*	3105	135	70	65
C 04217 POD1		C	ED	1	1	2	23	22S	27E	579137	3583385	3133	175	75	100
C 00700		CUB	ED	3	3	2	15	22S	27E	577441	3584355*	3152	132		
C 00760		C	ED				16	22S	27E	575717	3584215*	3156	72	44	28
C 02499		C	ED		1	1	25	22S	27E	579989	3581653*	3180	100	35	65
C 00204		CUB	ED	3	3	2	32	22S	27E	574227	3579437*	3181	170		
C 00204 CLW194896	O	CUB	ED	3	3	2	32	22S	27E	574227	3579437*	3181	170		
C 00343 CLW242784	O	CUB	ED	3	3	2	32	22S	27E	574227	3579437*	3181	193	143	50
C 00619		C	ED	3	3	2	32	22S	27E	574227	3579437*	3181	250		
C 00546		C	ED	1	3	1	03	23S	27E	576663	3578051*	3215		123	

Average Depth to Water: **67 feet**

Minimum Depth: **12 feet**

Maximum Depth: **150 feet**

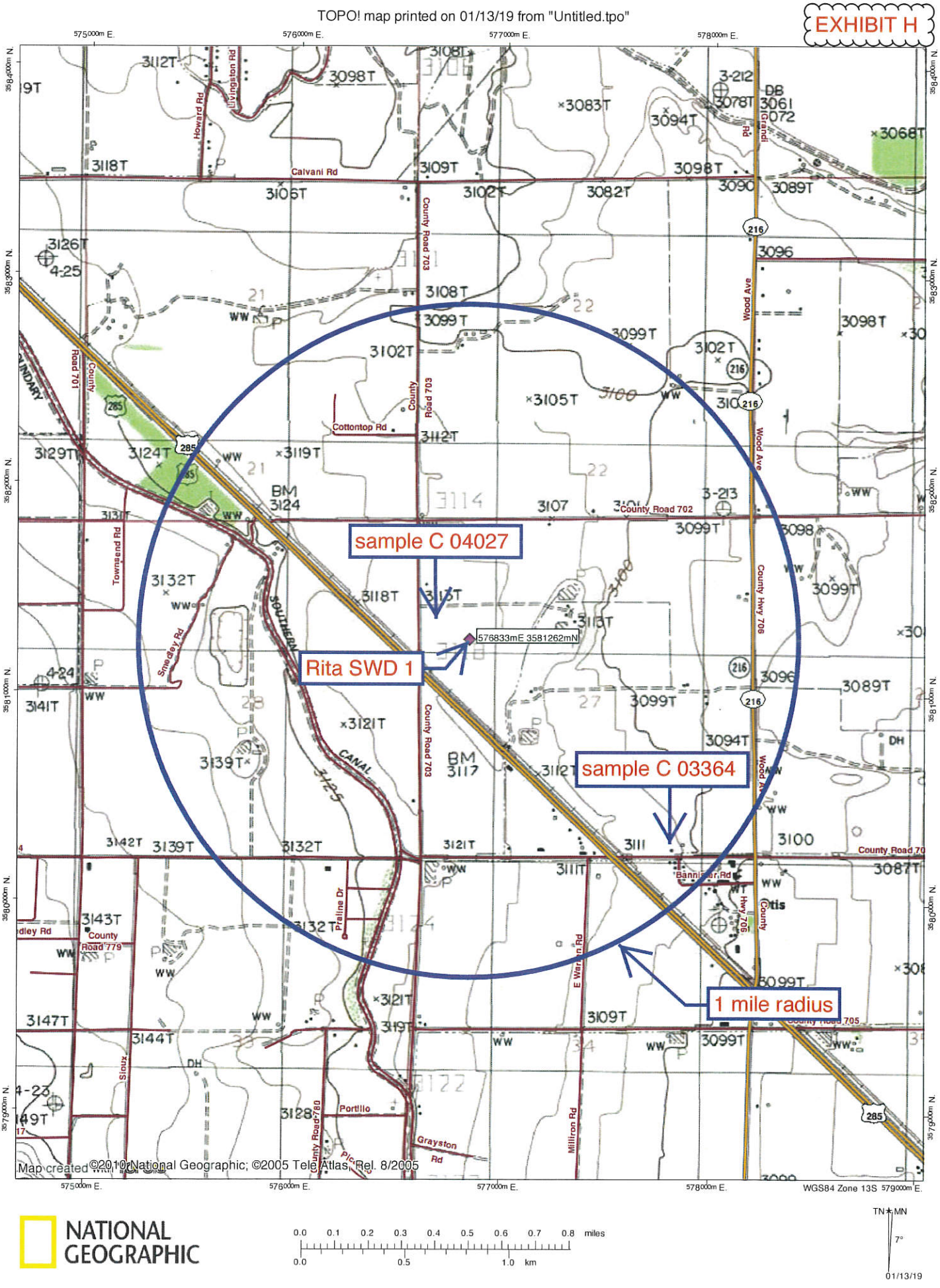
Record Count: 168

UTMNAD83 Radius Search (in meters):

Easting (X): 576833 **Northing (Y):** 3581262 **Radius:** 3220

***UTM location was derived from PLSS - see Help**

EXHIBIT G


TOPO! map printed on 01/13/19 from "Untitled.tpo"
EXHIBIT H
sample C 04027
Rita SWD 1
576833mE 3581262mN
sample C 03364
1 mile radius
Map created ©2010 National Geographic; ©2005 Tele Atlas, Rel. 8/2005
WGS84 Zone 13S
NATIONAL GEOGRAPHIC
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 miles
0.0 0.5 1.0 km
TN MN
7°
01/13/19

Hall Environmental Analysis Laboratory, Inc.

EXHIBIT H

Analytical Report
Lab Order **1906905**
Date Reported: **7/2/2019**

CLIENT: Permits West
Project: Overflow Rita SWD 1
Lab ID: 1906905-001 **Matrix:** AQUEOUS

Client Sample ID: Jason Lowe-C03364-Pod1
Collection Date: 6/16/2019 2:50:00 PM
Received Date: 6/17/2019 4:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664B						Analyst: **KMN**	
N-Hexane Extractable Material	ND	9.56		mg/L	1	6/24/2019 8:18:00 AM	45753
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	2300	100	*	mg/L	200	6/30/2019 6:46:28 PM	R61062
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	6670	40.0	*D	mg/L	1	6/25/2019 2:24:00 PM	45742

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1906905**
Date Reported: **7/2/2019**

CLIENT: Permits West
Project: Overflow Rita SWD 1
Lab ID: 1906905-002 **Matrix:** AQUEOUS

Client Sample ID: Scott Branson-C04027-Pod 1
Collection Date: 6/17/2019 10:10:00 AM
Received Date: 6/17/2019 4:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664B						Analyst: **KMN**	
N-Hexane Extractable Material	ND	9.24		mg/L	1	6/24/2019 8:18:00 AM	45753
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	1900	100	*	mg/L	200	6/30/2019 6:58:49 PM	R61062
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	6380	40.0	*D	mg/L	1	6/25/2019 2:24:00 PM	45742

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

EXHIBIT H

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1906905**

02-Jul-19

Client: Permits West

Project: Overflow Rita SWD 1

Sample ID: **MB-45753**	SampType: **MBLK**	TestCode: **EPA Method 1664B**
Client ID: **PBW**	Batch ID: **45753**	RunNo: **60895**
Prep Date: **6/24/2019**	Analysis Date: **6/24/2019**	SeqNo: **2061724** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	ND	10.0								

Sample ID: **LCS-45753**	SampType: **LCS**	TestCode: **EPA Method 1664B**
Client ID: **LCSW**	Batch ID: **45753**	RunNo: **60895**
Prep Date: **6/24/2019**	Analysis Date: **6/24/2019**	SeqNo: **2061725** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	32.6	10.0	40.00	0	81.5	78	114			

NOTES:

J - MB result was a little high due to sodium sulfate in the pan at the drying step; MB result is still under the PQL.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

EXHIBIT H

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1906905**

02-Jul-19

Client: Permits West

Project: Overflow Rita SWD 1

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R61062**	RunNo: **61062**
Prep Date:	Analysis Date: **6/30/2019**	SeqNo: **2067935** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R61062**	RunNo: **61062**
Prep Date:	Analysis Date: **6/30/2019**	SeqNo: **2067936** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	93.7	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

EXHIBIT H

WO#: **1906905**

02-Jul-19

Client: Permits West

Project: Overflow Rita SWD 1

Sample ID: **MB-45742**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **45742**	RunNo: **60915**
Prep Date: **6/21/2019**	Analysis Date: **6/25/2019**	SeqNo: **2062257** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID: **LCS-45742**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **45742**	RunNo: **60915**
Prep Date: **6/21/2019**	Analysis Date: **6/25/2019**	SeqNo: **2062258** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	103	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit