

APPENDIX E: Initial Sample Results Paired with Re-sample Data

Sample ID#	Sample identification number assigned by the logging computer.
Date	Date the sample was collected.
Start Lat	The latitude of the beginning of the test interval for the sample listed as degrees, minutes and ten thousandths of a minute.
Start Long	The longitude of the beginning of the test interval for the sample listed as degrees, minutes and ten thousandths of a minute.
Validated R	The validated result of the duplicate pair, usually the average. See Analysis section.
Validated E	The validated result of the duplicate pair, usually the average. See Analysis section.

Sample ID#	Date (DD/MYY)	Start Lat	Start Long	Validated R	Validated E	Comments
Start Test over Pipeline						
14405732	12/07/2001	39 30 8277N	118 56 3585W	3.2	2.7	
15016042	19/07/2001	39 30 8289N	118 56 3587W	0.7	2.3	*Retest of Pipe section
14405735	12/07/2001	39 30 6558N	118 56 1W	20.0	1.0	start on bank of canal Pass Mi.Ma. 48.8, valve, cross 1 gravel road
14405812	18-07-2001	39 30 6581N	118 56 15W	0.7	174.3	* Retest M.M. 48.8 start edge canal over LS 1 and over valve
14405815	18-07-2001	39 30 6453N	118 55 9618W	1.1	4.2	Retest M.M. 48.8- sample valve stationary 5 min
14405739	12/07/2001	39 30 4866N	118 55 5877W	4.9	2.1	reporters Reno Gazette-did-story on Tuesday
14405820	18-07-2001	39 30 5086N	118 55 6562W	0.4	1.5	* Retest 3rd of section Total run time 4.5 min. . 30 sec around sm canal 5 ft across
14405740	12/07/2001	39 30 4503N	118 55 4389W	5.4	179.3	drag over leak sim 2
14405818	18-07-2001	39 30 4683N	118 55 5092W	0.6	107.1	*Retest over LS 2 moving backwards from previous test
14405741	12/07/2001	39 30 4109N	118 55 2760W	0.8	2.9	past marker 49.6
14405816	18-07-2001	39 30 4257N	118 55 3376W	0.7	1.6	* Retest Start at 49.6 moving opposite from previous run.
14405746	12/07/2001	39 30 2794N	118 54 7531W	11.2	1.7	start edge sm canal
14405823	18-07-2001	39 30 2824N	118 54 7547W	0.5	1.8	*Retest run edge of paved rd and sm canal dry
14405747	12/07/2001	39 30 2365N	118 54 5801W	3.0	1.9	just past 50.3
14405824	18-07-2001	39 30 2366N	118 54 5777W	0.4	1.3	*Retest end just past 5 0.3
14405749	12/07/2001	39 30 1523N	118 54 2319W	1.2	1.8	60 sec extra to go around canal
10600493	27-07-2001	39 30 1523N	118 54 2319W	0.5	2.8	*Retest-14405749 -time is not actual date 7 27 2001 E carry over
14405750	12/07/2001	39 30 1121N	118 54 707W	NR	NR	curious horses
14405971	27-07-2001	39 30 1116N	118 54 734W	0.7	1.0	*Retest 14405750 curious horses
15015962	12/07/2001	39 30 3N	118 53 6005W	6.4	1.5	start at 51.1 cross small river 1 minute
15016034	18-07-2001	39 30 93N	118 53 6376W	1.2	1.7	*Retest start cross road, pass 51.1, cross stream...
15015963	12/07/2001	39 29 9685N	118 53 4690W	0.8	1.1	
10600494	28-07-2001	39 29 9685N	118 53 4690W	0.7	2.0	*Retest 15015963 run time apx. 6 to 6.5 min. Not actual start/stop time....
15015965	12/07/2001	39 29 9331N	118 53 3222W	1.7	1.5	
10600495	28-07-2001	39 29 9331N	118 53 3222W	0.6	1.9	retest 15015965 date 7 27 2001...
15015968	12/07/2001	39 29 8437N	118 52 9627W	16.9	0.9	
15016038	18-07-2001	39 29 8414N	118 52 9654W	0.5	1.7	*Retest pipe
15015969	12/07/2001	39 29 8093N	118 52 8327W	10.4	NR	stop at river
15016037	18-07-2001	39 29 8105N	118 52 8366W	0.5	1.1	*Retest start at irrig canal
15015971	13-07-2001	39 29 7837N	118 52 7154W	2.6	1.7	start run at river sun
14405968	26-07-2001	39 29 7815N	118 52 7161W	0.6	1.2	*Retest 15015971 start edge of sm canal
15015972	13/07/2001	39 29 7471N	118 52 5786W	1.3	1.0	Pass over 40 feet asphalt
10600496	28-07-2001	39 29 7471N	118 52 5786W	0.5	1.4	retest 15015972 date 7 27 2001...

Sample ID	Date (DD/MM/YY)	Start Lat	Start Long	Validated - R	Validated - E	Comments
15015979	13-07-2001	39 29 4932N	118 51 5821W	16.5	0.9	cross road, river @ 53.1 mi vent
15016039	18-07-2001	39 29 4924N	118 51 5832W	0.6	2.1	*Retest start at 53.1 cross road, irng , vents
14405752	13-07-2001	39 29 4505N	118 51 4050W	2.1	1.8	start Wes rhn
14405832	18-07-2001	39 29 4521N	118 51 4077W	0.5	2.1	*Retest stopped 20 ft from previous run
14405755	13-07-2001	39 29 3256N	118 50 9026W	5.0	0.6	slow marsh but no water extra time
14405834	18-07-2001	39 29 3243N	118 50 9121W	0.7	2.7	*Retest 6.20 sec run swamp but dry now
15015980	13-07-2001	39 29 1382N	118 50 2166W	28.8	1.1	start at vent cross road
14405935	26-07-2001	39 29 1406N	118 50 2198W	0.6	1.5	*Retest 15015980 start at vent cross York Rd mm 54.1 just behind
15015981	13-07-2001	39 29 949N	118 50 470W	34.9	1.4	mixed grass bare soil
14405936	26-07-2001	39 29 957N	118 50 468W	0.6	1.6	*Retest 15015981
15015982	13-07-2001	39 29 539N	118 49 8839W	3.2	1.4	
14405938	26-07-2001	39 29 545N	118 49 8820W	0.6	1.7	*Retest 15015982
15015983	13-07-2001	39 29 161N	118 49 7246W	2.2	1.5	
14405940	26-07-2001	39 29 146N	118 49 7258W	0.6	1.6	*Retest 15015983
15015984	13-07-2001	39 28 9733N	118 49 5628W	1.8	1.7	
14405942	26-07-2001	39 28 9751N	118 49 5709W	0.6	1.6	*Retest 15015964
15015985	13-07-2001	39 28 9325N	118 49 3902W	9.2	1.3	
14405944	26-07-2001	39 28 9307N	118 49 3891W	0.8	1.8	*Retest 15015965
15015986	13-07-2001	39 28 8854N	118 49 2002W	0.9	1.2	cross paved road @ 55.3 vent stop
14405946	26-07-2001	39 28 8891N	118 49 2186W	1.0	1.6	*Retest 15015966 cross road stop at mm 55.3
15015987	13-07-2001	39 28 8586N	118 49 354W	1.1	1.7	start 53.3 end at river
14405948	26-07-2001	39 28 8534N	118 49 374W	0.6	1.5	*Retest 15015987 start mm 55.3 end Carson River
15015988	13/07/2001	39 28 7769N	118 48 7055W	6.8	1.4	Start at swamp
14405951	26-07-2001	39 28 8167N	118 48 8699W	0.7	2.0	*Retest-15015988 start other side of Carson River swamp but passable
15015989	13-07-2001	39 28 7487N	118 48 5879W	0.6	1.4	cross road stop at river
14405954	26-07-2001	39 28 7567N	118 48 6314W	1.0	1.9	*Retest15015988 and 15015989 stop at lg canal 80 ft across -1906 bridge
14405760	13-07-2001	39 28 7213N	118 48 4114W	36.5	1.4	start-on other side.of RR-brdge and canal
14405857	23-07-2001	39 28 7226N	118 48 4168W	0.6	1.4	*Retest 14405760 7 13 01...
14405761	13-07-2001	39 28 7155N	118 48 2137W	11.5	0.8	mm 56.3
14405858	23-07-2001	39 28 7184N	118 48 2519W	0.6	1.2	*Retest 14905561 along corrells...
14405762	13-07-2001	39 28 7198N	118 48 370W	0.8	2.1	start with new battery .5 hr delay
14405924	25-07-2001	39 28 7192N	118 48 398W	1.9	4.0	*Retest 14405762 pass mm 58.3
14405763	13-07-2001	39 28 7215N	118 47 8893W	2.4	2.1	stopped at edge of paved road
14405926	25-07-2001	39 28 7196N	118 47 8912W	0.8	1.9	*Retest 14405763 stop at edge of paved road
14405764	13-07-2001	39 28 7230N	118 47 7355W	0.9	1.2	
14405928	25-07-2001	39 28 7178N	118 47 7449W	0.6	1.5	*Retest 14405764
14405765	13-07-2001	39 28 7215N	118 47 5577W	0.2	1.2	heavy brush slow
14405930	25-07-2001	39 28 7194N	118 47 5652W	NR	NR	*Retest 14405765 heavy brush

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14405766	13-07-2001	39 28 7218N	118 47 4376W	0.9	0.9	mm 56.8 stop at RR vent...
14405932	25-07-2001	39 28 7200N	118 47 4378W	0.7	1.7	*Retest run at RR vent and mm 56.8
15015991	13-07-2001	39 28 7071N	118 47 3105W	19.0	1.3	start at RR tracks cross dirt lot , asphalt road
14405958	26-07-2001	39 28 7096N	118 47 3073W	0.7	1.8	*Retest 15015891 start at vent behind Walmart near mm 58.8
15015992	13-07-2001	39 28 6918N	118 47 1395W	8.4	1.9	grass dirt road cross taylor road
14405961	26-07-2001	39 28 6894N	118 47 1369W	1.8	3.4	*Retest 15015992 Adjust conc for 6 min total run time... grass dirt road cross Taylor road
14405767	13-07-2001	39 28 6927N	118 46 8871W	NR	NR	start other side of road, Taylor Rd 396 lost tube
14405861	24-07-2001	39 28 6901N	118 46 8871W	0.5	1.3	*Retest of-14405767 Taylor Rd -
14405768	13-07-2001	39 28 6891N	118 46 7069W	34.0	NR	5 min run but delay around junk...
14405863	24-07-2001	39 28 6896N	118 46 7050W	0.6	1.5	*Retest 14405768 5 min run around junk
15015993	14-07-2001	39 28 7104N	118 46 6171W	44.5	2.9	start at Maine St stop at 57.8 and vent cross road Ken
14405866	24-07-2001	39 28 7116N	118 46 6058W	0.5	1.2	*Retest 15015993 Maine St stop at mm 57.8-and vent
15015994	14-07-2001	39 28 7278N	118 46 4374W	5.5	2.4	start-at 57.8
14405868	24-07-2001	39 28 7191N	118 46 4361W	0.5	1.2	*Retest 15015994-start at mm 57.8
15015995	14-07-2001	39 28 7191N	118 46 2133W	2.9	3.2	
14405870	24-07-2001	39 28 7195N	118 46 2431W	0.7	1.6	*Retest 15015995 stopped short of LS 3 175 ft
15015996	14-07-2001	39 28 7190N	118 46 1554W	2.6	174.7	pass asphalt road & leak sim 3
14405872	24-07-2001	39 28 7144N	118 46 809W	0.8	79.9	*Retest 15015996 over asphalt road and LS 3
15015997	14-07-2001	39 28 7101N	118 46 132W	3.1	5.7	pass 58.4 marker stop at fence row
14405874	24-07-2001	39 28 7085N	118 45 9266W	0.8	1.7	*Retest 15015997 pass mm 58.4
15015998	14-07-2001	39 28 7123N	118 45 8459W	3.3	3.3	
14405877	24-07-2001	39 28 6689N	118 45 7850W	1.1	1.7	*Retest15015998 and 15015999-parallel to fence 6 min run stop 100 ft mm 58.6
15015999	14-07-2001	39 28 6259N	118 45 7829W	1.9	3.0	Stop at 58.6 mile
14405963	26-07-2001	39 28 6716N	118 45 7817W	0.6	1.6	*Retest.. Ken called in coord but no lab ref... mm 58.6 and hiway vent end...
15016000	14-07-2001	39 28 5092N	118 45 7875W	1.7	3.0	start 58.6 cross road , wash
14405879	24-07-2001	39 28 5139N	118 45 7868W	0.5	1.0	*Retest 15016000 start mm 58.6 cross hiway deep ditch 5 apx min run total...
15016001	14-07-2001	39 28 4013N	118 45 7664W	2.4	2.4	pass 58.7 ,dry canal, storage bldg stop before road
14405881	24-07-2001	39 28 3869N	118 45 7672W	0.7	1.7	*Retest 15016001 pass mm 58.7 dry canal storage bldg
15016002	14-07-2001	39 28 3040N	118 45 7306W	3.4	1.8	start storage bldg
14405883	24-07-2001	39 28 3082N	118 45 7325W	0.5	1.0	*Retest 15016002 start storage unit end Emmanuel Church
14405771	14-07-2001	39 28 3028N	118 45 6458W	17.0	3.4	no notes

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14405886	24-07-2001	39 28 3076N	118 45 6437W	0.6	1.1	*Retest 14405771 Wes run
14405773	14-07-2001	39 28 2802N	118 45 4821W	4.0	3.3	alfalfa field
14405889	24-07-2001	39 28 2846N	118 45 4857W	0.5	0.7	*Retest 14405773 alfalfa field sample cap loose
14405774	14-07-2001	39 28 1851N	118 45 4795W	3.1	2.9	
14405891	24-07-2001	39 28 1746N	118 45 4815W	0.7	2.2	*Retest 14405774
14405775	14-07-2001	39 28 1076N	118 45 4797W	1.8	3.0	pipe parallel to field then 45 degrees diagonal across field
14405893	24-07-2001	39 28 1069N	118 45 4820W	0.7	2.0	*Retest 14405775 and 14405776-pipe parallel to field then 45 degrees 200 ft short of mm 59.5 progress-faster field just cut
14405776	14/07/2001	39 28 416N	118 45 4154W	2.7	2.5	along cottonwood treeline
14405894	24-07-2001	39 28 211N	118 45 3678W	0.5	2.2	*Retest 14405 776 and 14405777 passing mm 59.5-on run
14405778	14-07-2001	39 27 9184N	118 45 1712W	0.5	1.9	across field
14405897	24-07-2001	39 27 9394N	118 45 1984W	0.6	1.7	*Retest 14405777, 14405778 cross field then on dirt road
14405779	14-07-2001	39 27 8710N	118 45 120W	2.7	2.3	behind sewer plant on road
14405899	24-07-2001	39 27 8436N	118 45 658W	0.5	1.4	*Retest 14405779 behind sewer plant end at edge of swamp 25 ft across
14405780	14-07-2001	39 27 8186N	118 44 9496W	0.5	3.1	5 Min total evac .35 mile detour swamp 25 ft wide
14405903	25-07-2001	39 27 8012N	118 44 9259W	0.5	1.3	*Retest part of 14405780 and part of 1440581 edge of 25 ft wide swamp by sewer plant
14405781	14/07/2001	39 27 6677N	118 44 9208W	2.8	2.9	couple of fences to get over
14405905	25-07-2001	39 27 6698N	118 44 9265W	0.7	1.5	*Retest part of 14405781 and part of 14405782 cross several fences total run apx 5 min
14405782	14-07-2001	39 27 6461N	118 44 8240W	1.0	3.3	crossed several fences sm canals...
14405907	25-07-2001	39 27 6311N	118 44 8357W	0.6	1.5	*Retest rest of 14405782 crossed several fences and dry canal. End Wes run.
15016013	17-07-2001	39 27 6152N	118 44 7589W	0.5	2.0	start at canal through fenced yard
14405909	25-07-2001	39 27 6142N	118 44 7594W	0.8	1.5	*Retest Ken 15016013 edge of canal through yard. apx 5 min total run time
15016014	17-07-2001	39 27 5658N	118 44 6605W	1.0	2.5	
14405911	25-07-2001	39 27 5652N	118 44 6597W	0.7	1.8	*Retest 15016014
15016015	17-07-2001	39 27 4643N	118 44 5388W	1.6	3.1	
14405841	22-07-2001	39 27 4711N	118 44 5395W	0.6	2.2	*Retest 15 ft from original start
15016017	17-07-2001	39 27 4087N	118 44 3956W	2.4	2.6	stop at dry irrig ditch
14405844	22-07-2001	39 27 4069N	118 44 3966W	0.6	1.6	*Retest run
15016018	17-07-2001	39 27 3468N	118 44 2490W	1.1	2.1	stop at k.m. sign before road
14405913	25-07-2001	39 27 3453N	118 44 2480W	0.7	1.9	*Retest 15016018 start at edge-of dry canal
15016019	17-07-2001	39 27 2716N	118 44 1336W	0.9	2.4	Cross Road, cross two riverbeds
14405915	25-07-2001	39 27 2717N	118 44 1313W	0.5	1.6	*Retest 15016019 cross paved road and two dry irrig canals
15016020	17-07-2007	39 27 2079N	118 44 204W	0.9	2.5	cross irrig.

Sample ID#	Date (DD/MM/YY)	Start Lat	Start Long	Validated R	Validated E	Comments
14405917	25-07-2001	39 27 2344N	118 44 737W	0.7	1.7	*Retest 15016020-cross 1 canal
15016021	17-07-2001	39 27 1072N	118 43 8635W	1.0	2.3	
14405919	25-07-2001	39 27 1237N	118 43 8866W	0.6	1.9	*Retest 15016021 6 min run time
15016024	17-07-2001	39 26 9412N	118 43 5992W	0.9	2.1	stop at river...
14405922	25-07-2001	39 26 9758N	118 43 6571W	1.5	3.3	*Retest at edge of lg canal entrance to Fallon NAS ...

END OF LINE