



Troll 9000
06/22/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type NA
 Tubing Type NA
 Tubing Diameter NA
 Tubing Length NA
 Pump placement from TOC NA

Well Information:

Well Id CS-1
 Well diameter NA
 Well total depth NA
 Depth to top of screen NA
 Screen length NA

Pumping information:

Final pumping rate NA
 Flowcell volume NA
 Calculated Sample Rate NA
 Sample rate NA
 Stabilized drawdown NA

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
	0:00:00	0.00	0.00	0.00	0.00	0.00	0.00
Last 5 Readings	8:34:38	70.21	7.18	554.62	2.04	6760.14	280.51
	8:35:38	71.50	6.94	567.35	3.28	6598.24	253.75
	8:36:38	71.83	6.59	569.99	14.46	6236.89	259.99
	8:37:39	71.86	6.52	564.18	11.00	5919.37	264.99
Variance in last 3 readings		1.28	-0.24	12.72	1.24	-161.90	-26.76
		0.34	-0.35	2.64	11.18	-361.35	6.24
		0.03	-0.07	-5.81	-3.46	-317.52	5.00

NA - Information is not available.



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Pump Information:

Pump Model/Type NA
 Tubing Type NA
 Tubing Diameter NA
 Tubing Length NA
 Pump placement from TOC NA

Well Information:

Well Id CS-10
 Well diameter NA
 Well total depth NA
 Depth to top of screen NA
 Screen length NA

Pumping information:

Final pumping rate NA
 Flowcell volume NA
 Calculated Sample Rate NA
 Sample rate NA
 Stabilized drawdown NA

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:22:17	72.66	6.76	582.38	49.08	5473.79	300.29
	9:22:31	72.75	6.73	582.30	44.80	5158.44	301.66
	9:22:47	72.78	6.72	582.74	48.67	5018.97	302.26
	9:23:02	72.77	6.72	581.79	71.83	4842.05	302.60
	9:23:19	72.78	6.72	582.16	16.06	4551.33	302.77
Variance in last 3 readings		0.03	-0.01	0.44	3.87	-139.46	0.60
		-0.01	0.00	-0.95	23.16	-176.92	0.34
		0.01	0.00	0.36	-55.77	-290.72	0.17

NA - Information is not available.



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06/15/04

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Project Information:

Operator Name SE_KC
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 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 316.5 [ft]
 Pump placement from TOC 315 [ft]

Well Information:

Well Id CS-MWG-LGR
 Well diameter 8 [in]
 Well total depth 339.5 [ft]
 Depth to top of screen 155 [ft]
 Screen length 2208 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 132.54 [mL]
 Calculated Sample Rate 3977 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	14:42:29	70.22	6.43	436.63	2.10	5790.12	165.34
	14:43:31	70.71	6.43	438.10	2.17	5753.22	169.10
	14:44:32	70.45	6.41	437.56	1.12	5788.52	172.83
	14:45:32	70.34	6.40	437.47	2.98	5772.57	176.72
	14:46:32	70.26	6.39	437.63	2.55	5840.61	180.61
Variance in last 3 readings		-0.26	-0.01	-0.54	-1.05	35.29	3.72
		-0.11	-0.01	-0.09	1.86	-15.95	3.89
		-0.08	-0.01	0.16	-0.43	68.05	3.89

NA - Information is not available.



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06/15/04

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Project Information:

Operator Name SE KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 309 [ft]
 Pump placement from TOC 283 [ft]

Well Information:

Well Id CS-MW9-LGR
 Well diameter 4 [in]
 Well total depth 323 [ft]
 Depth to top of screen 296 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 132.17 [mL]
 Calculated Sample Rate 3966 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	12:59:55	70.46	6.69	528.09	3.02	2260.93	261.63
	13:00:55	70.48	6.69	528.81	4.85	2242.21	254.41
	13:01:56	70.22	6.68	527.31	6.84	2223.67	248.17
	13:02:56	70.71	6.69	529.59	5.75	2139.13	242.22
	13:03:57	70.42	6.69	528.14	8.02	2137.39	236.75
Variance in last 3 readings		-0.27	0.00	-1.50	1.99	-18.54	-6.24
		0.49	0.00	2.28	-1.09	-84.54	-5.94
		-0.29	0.01	-1.45	2.27	-1.74	-5.47

NA - Information is not available.



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06/15/04

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Project Information:

Operator Name SE_KC
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 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 438 [ft]
 Pump placement from TOC 303 [ft]

Well Information:

Well Id CS-MW9-CC
 Well diameter 4 [in]
 Well total depth 480 [ft]
 Depth to top of screen 425 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 138.5 [mL]
 Calculated Sample Rate 4155 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:54:19	70.48	6.89	678.40	0.22	4175.22	-77.70
	13:55:20	70.52	6.89	678.20	0.33	4822.75	-78.13
	13:56:21	71.01	6.89	683.48	85.95	4885.77	-78.81
	13:57:23	70.59	6.89	678.10	0.74	4381.20	-79.19
	13:58:23	70.52	6.89	677.99	0.00	4476.73	-79.54
Variance in last 3 readings		0.49	0.00	5.28	85.62	63.02	-0.68
		-0.43	0.00	-5.38	-85.21	-504.57	-0.38
		-0.07	-0.01	-0.10	-0.74	95.54	-0.34

NA - Information is not available.



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Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 365 [ft]
 Pump placement from TOC 303 [ft]

Well Information:

Well Id CS-MW9-BS
 Well diameter 4 [in]
 Well total depth 378 [ft]
 Depth to top of screen 352 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 134.92 [mL]
 Calculated Sample Rate 4048 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:25:43	70.78	7.34	571.62	2.89	3841.06	-49.19
	13:26:45	70.51	7.35	567.99	2.22	3814.99	-46.92
	13:27:45	70.40	7.33	567.92	2.20	3715.31	-43.46
	13:28:45	70.35	7.33	567.51	2.38	3594.89	-40.98
	13:29:46	70.90	7.33	569.31	2.42	4303.60	-39.05
Variance in last 3 readings		-0.11	-0.02	-0.07	-0.02	-99.68	3.46
		-0.05	0.00	-0.42	0.18	-120.42	2.48
		0.55	0.00	1.81	0.04	708.71	1.92

NA - Information is not available.



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06/21/04

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Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 345 [ft]
 Pump placement from TOC 299 [ft]

Well Information:

Well Id CS-MW8-LGR
 Well diameter 4 [in]
 Well total depth 373 [ft]
 Depth to top of screen 332 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 133.94 [mL]
 Calculated Sample Rate 4019 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	15:02:21	71.55	6.55	633.61	0.17	3767.24	184.83
	15:03:22	72.00	6.55	653.01	0.39	3490.09	182.99
	15:04:22	71.65	6.55	660.24	0.23	3249.28	181.15
	15:05:23	71.53	6.55	663.17	0.16	3052.31	179.48
	15:06:24	71.66	6.55	665.83	0.13	2849.85	177.60
Variance in last 3 readings		-0.34	0.00	7.24	-0.16	-240.81	-1.84
		-0.12	0.00	2.93	-0.07	-196.97	-1.67
		0.13	0.00	2.67	-0.02	-202.47	-1.88

NA - Information is not available.



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Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 453 [ft]
 Pump placement from TOC 299 [ft]

Well Information:

Well Id CS-MW8-CC
 Well diameter 4 [in]
 Well total depth 503 [ft]
 Depth to top of screen 439.5 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 139.24 [mL]
 Calculated Sample Rate 4178 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	8:48:35	71.13	7.20	814.99	1.35	2397.65	-135.83
	8:49:35	71.18	7.20	815.28	1.06	2258.11	-137.71
	8:50:35	71.14	7.19	815.13	1.04	2131.76	-139.16
	8:51:36	71.14	7.19	815.13	1.08	1998.18	-140.14
	8:52:36	71.17	7.19	815.27	0.57	1876.24	-141.43
Variance in last 3 readings		-0.04	0.00	-0.14	-0.02	-126.34	-1.45
		0.00	0.00	0.00	0.04	-133.58	-0.98
		0.02	0.00	0.14	-0.50	-121.94	-1.28

NA - Information is not available.



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Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 335 [ft]
 Pump placement from TOC 290 [ft]

Well Information:

Well Id CS-MW7-LGR
 Well diameter 4 [in]
 Well total depth 352.5 [ft]
 Depth to top of screen 322 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 133.44 [mL]
 Calculated Sample Rate 4004 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:20:46	69.88	6.77	608.41	0.28	2712.28	134.56
	10:21:48	70.00	6.74	625.42	0.43	1747.17	129.52
	10:22:48	70.08	6.74	630.42	9.88	1138.80	124.26
	10:23:48	70.06	6.73	630.50	0.46	784.48	122.42
	10:24:48	70.09	6.74	630.84	0.48	606.48	121.57
Variance in last 3 readings		0.08	0.00	5.00	9.45	-608.37	-5.26
		-0.03	-0.01	0.08	-9.42	-354.32	-1.84
		0.03	0.01	0.34	0.03	-178.00	-0.85

NA - Information is not available.



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06/23/04

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Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 443 [ft]
 Pump placement from TOC 290 [ft]

Well Information:

Well Id CS-MW7-CC
 Well diameter 4 [in]
 Well total depth 503 [ft]
 Depth to top of screen 430 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 138.75 [mL]
 Calculated Sample Rate 4163 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:40:50	70.34	7.00	789.04	0.47	5081.94	-95.91
	10:41:50	70.58	7.00	791.85	0.62	4865.85	-96.29
	10:42:51	70.91	6.99	792.93	0.57	4656.48	-96.59
	10:43:51	70.45	6.99	793.19	0.73	4522.00	-96.81
	10:44:52	70.36	6.99	793.19	0.56	4279.30	-97.36
Variance in last 3 readings		0.33	-0.01	1.08	-0.05	-209.36	-0.30
		-0.46	-0.01	0.26	0.16	-134.49	-0.21
		-0.09	0.00	-0.01	-0.16	-242.70	-0.56

NA - Information is not available.



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06/21/04

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Project Information:

Operator Name SE_KC
 Company Name Parsons
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 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 353 [ft]
 Pump placement from TOC 311 [ft]

Well Information:

Well Id CS-MW6-LGR
 Well diameter 4 [in]
 Well total depth 382 [ft]
 Depth to top of screen 340 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 134.33 [mL]
 Calculated Sample Rate 4030 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	14:25:48	73.53	6.65	584.43	0.54	5323.73	104.93
	14:26:56	73.55	6.65	585.97	0.83	5172.04	104.11
	14:27:56	73.44	6.63	585.67	1.22	5054.87	105.35
	14:28:57	73.36	6.63	586.19	1.69	4951.88	107.19
	14:29:58	73.44	6.63	586.70	1.94	4806.20	108.82
Variance in last 3 readings		-0.11	-0.01	-0.30	0.39	-117.17	1.24
		-0.08	0.00	0.51	0.47	-102.99	1.84
		0.07	0.00	0.52	0.25	-145.68	1.63

NA - Information is not available.



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Project Information:

Operator Name SE_KC
 Company Name Parsons
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 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 464 [ft]
 Pump placement from TOC 311 [ft]

Well Information:

Well Id CS-MW6-CC
 Well diameter 4 [in]
 Well total depth 522 [ft]
 Depth to top of screen 451 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 139.78 [mL]
 Calculated Sample Rate 4194 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:30:12	73.24	7.59	694.96	0.12	934.13	194.50
	13:31:12	73.16	7.30	748.54	0.23	789.71	115.06
	13:32:13	73.44	7.09	773.57	0.36	683.32	45.84
	13:33:14	73.17	6.93	785.60	0.31	622.19	5.86
	13:34:14	73.24	6.86	795.15	0.27	576.44	-13.21
Variance in last 3 readings		0.28	-0.22	25.03	0.12	-106.39	-69.22
		-0.26	-0.16	12.03	-0.04	-61.13	-39.98
		0.06	-0.07	9.55	-0.04	-45.75	-19.07

NA - Information is not available.



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Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 410 [ft]
 Pump placement from TOC 311 [ft]

Well Information:

Well Id CS-MW6-BS
 Well diameter 4 [in]
 Well total depth 429 [ft]
 Depth to top of screen 397 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 137.13 [mL]
 Calculated Sample Rate 4114 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:55:05	72.49	8.44	668.76	0.28	5241.54	-91.88
	14:03:28	72.81	7.42	728.35	3.12	3543.67	-114.24
	14:04:29	72.49	7.41	729.04	3.23	3452.81	-113.09
	14:05:29	72.34	7.39	729.16	4.31	3339.23	-113.09
	14:06:29	72.45	7.39	730.88	5.33	3185.60	-112.96
Variance in last 3 readings		-0.32	-0.01	0.69	0.12	-90.86	1.15
		-0.15	-0.02	0.12	1.07	-113.58	0.00
		0.11	-0.01	1.72	1.03	-153.63	0.13

NA - Information is not available.



Troll 9000
06/16/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 433 [ft]
 Pump placement from TOC 404 [ft]

Well Information:

Well Id CS-MW5-LGR
 Well diameter 4 [in]
 Well total depth 462 [ft]
 Depth to top of screen 420 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 138.25 [mL]
 Calculated Sample Rate 4148 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:09:35	72.21	6.65	526.36	15.75	2422.16	130.99
	13:10:35	72.18	6.66	525.83	20.03	2336.50	127.65
	13:11:36	72.26	6.65	525.59	22.71	2267.75	124.28
	13:12:36	72.04	6.65	525.17	26.78	2157.72	121.75
	13:13:38	72.18	6.66	526.12	21.52	2086.07	119.45
Variance in last 3 readings		0.08	0.00	-0.24	2.68	-68.76	-3.38
		-0.22	0.00	-0.42	4.07	-110.03	-2.52
		0.14	0.01	0.95	-5.26	-71.65	-2.31

NA - Information is not available.



Troll 9000
06/17/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 313 [ft]
 Pump placement from TOC 203 [ft]

Well Information:

Well Id CS-MW4-LGR
 Well diameter 4 [in]
 Well total depth 336.5 [ft]
 Depth to top of screen 299 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 132.36 [mL]
 Calculated Sample Rate 3971 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	8:46:07	70.71	6.78	617.33	0.38	5629.15	-3.41
	8:47:07	70.67	6.76	625.79	2.09	5276.36	-40.26
	8:48:08	70.64	6.76	627.55	1.39	4957.40	-58.85
	8:49:08	70.53	6.76	627.11	0.71	4623.66	-68.26
	8:50:08	70.89	6.77	630.76	0.43	2010.41	-73.90
Variance in last 3 readings		-0.03	0.00	1.76	-0.70	-318.96	-18.60
		-0.11	0.01	-0.43	-0.68	-333.74	-9.40
		0.36	0.00	3.65	-0.28	-2613.25	-5.64

NA - Information is not available.



Troll 9000
06/15/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 415 [ft]
 Pump placement from TOC 374 [ft]

Well Information:

Well Id CS-MW3-LGR
 Well diameter 4 [in]
 Well total depth 438.5 [ft]
 Depth to top of screen 402 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 137.37 [mL]
 Calculated Sample Rate 4122 [sec]
 Sample rate 90 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:48:11	71.43	6.82	504.32	0.43	795.36	134.22
	9:49:42	71.38	6.80	504.86	0.89	768.41	139.83
	9:51:13	71.39	6.80	504.75	1.10	715.13	143.08
	9:52:44	71.49	6.80	506.23	2.40	676.01	146.11
	9:54:15	71.44	6.81	503.98	1.45	659.79	148.51
Variance in last 3 readings		0.01	0.00	-0.11	0.21	-53.28	3.25
		0.10	0.00	1.48	1.30	-39.12	3.04
		-0.05	0.00	-2.25	-0.95	-16.22	2.40

NA - Information is not available.



Troll 9000
06/17/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 331.5 [ft]
 Pump placement from TOC 330 [ft]

Well Information:

Well Id CS-MW2-LGR
 Well diameter 4 [in]
 Well total depth 344 [ft]
 Depth to top of screen 318 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 133.27 [mL]
 Calculated Sample Rate 3999 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:59:23	70.66	8.49	386.79	8.28	3770.37	-138.13
	10:00:25	70.60	8.51	385.34	6.39	3671.27	-137.53
	10:01:26	70.72	8.52	384.89	8.56	3553.37	-137.06
	10:02:25	70.83	8.58	385.43	7.57	3391.63	-138.30
	10:03:26	70.67	8.61	382.01	4.13	3332.48	-137.66
Variance in last 3 readings		0.13	0.01	-0.45	2.17	-117.90	0.47
		0.11	0.06	0.54	-0.99	-161.74	-1.24
		-0.16	0.03	-3.42	-3.44	-59.14	0.64

NA - Information is not available.



Troll 9000
06/17/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 436 [ft]
 Pump placement from TOC 302 [ft]

Well Information:

Well Id CS-MW2-CC
 Well diameter 4 [in]
 Well total depth 451 [ft]
 Depth to top of screen 425.7 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 138.4 [mL]
 Calculated Sample Rate 4152 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:16:06	71.10	7.04	714.67	0.27	480.22	-96.23
	9:17:08	71.00	7.03	714.23	0.08	468.71	-97.00
	9:18:08	70.96	7.03	714.13	0.36	451.81	-97.73
	9:19:08	71.15	7.03	713.81	0.18	441.66	-98.59
	9:20:09	71.02	7.03	713.93	0.48	432.03	-99.10
Variance in last 3 readings		-0.04	-0.01	-0.10	0.28	-16.90	-0.73
		0.19	0.00	-0.32	-0.18	-10.15	-0.86
		-0.13	0.00	0.12	0.30	-9.63	-0.51

NA - Information is not available.



Troll 9000
06/17/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 301.5 [ft]
 Pump placement from TOC 300 [ft]

Well Information:

Well Id CS-MW1-LGR
 Well diameter 4 [in]
 Well total depth 313.5 [ft]
 Depth to top of screen 288 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 131.8 [mL]
 Calculated Sample Rate 3955 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	12:04:03	70.39	6.69	515.55	2.52	2426.32	148.48
	12:05:03	70.81	6.69	517.61	3.12	2229.69	142.28
	12:06:04	70.56	6.68	517.20	5.07	2143.26	136.72
	12:07:04	70.49	6.68	518.18	7.06	2075.53	132.19
	12:08:06	70.82	6.69	517.94	8.40	2005.78	128.52
Variance in last 3 readings		-0.25	0.00	-0.41	1.95	-86.43	-5.56
		-0.08	-0.01	0.98	1.99	-67.72	-4.53
		0.34	0.01	-0.23	1.34	-69.75	-3.68

NA - Information is not available.



Troll 9000
06/17/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 405 [ft]
 Pump placement from TOC 302 [ft]

Well Information:

Well Id CS-MW1-CC
 Well diameter 4 [in]
 Well total depth 420 [ft]
 Depth to top of screen 394.7 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 136.88 [mL]
 Calculated Sample Rate 4107 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	12:26:40	70.84	6.89	706.77	0.49	2936.37	-74.60
	12:27:39	71.49	6.88	711.95	0.61	2729.74	-71.60
	12:28:40	71.22	6.87	711.40	0.37	2611.79	-69.51
	12:29:41	71.01	6.86	711.17	0.24	2544.21	-68.44
	12:30:41	71.02	6.86	709.76	0.23	2414.10	-68.01
Variance in last 3 readings		-0.26	-0.01	-0.55	-0.24	-117.95	2.10
		-0.22	-0.01	-0.22	-0.13	-67.58	1.07
		0.01	0.00	-1.42	-0.01	-130.11	0.43

NA - Information is not available.



Troll 9000
06/17/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 351 [ft]
 Pump placement from TOC 302 [ft]

Well Information:

Well Id CS-MW1-BS
 Well diameter 4 [in]
 Well total depth 366 [ft]
 Depth to top of screen 340.5 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 134.23 [mL]
 Calculated Sample Rate 4027 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:02:55	70.73	8.61	366.34	0.20	3693.96	-9.75
	13:03:56	70.92	8.62	368.26	0.18	3433.06	-12.70
	13:04:58	70.92	8.61	367.56	0.43	3267.22	-14.28
	13:05:57	70.78	8.59	367.65	0.52	3098.53	-15.44
	13:06:58	71.10	8.59	368.47	0.43	2885.10	-17.19
Variance in last 3 readings		0.00	-0.01	-0.70	0.26	-165.84	-1.58
		-0.15	-0.02	0.09	0.09	-168.70	-1.15
		0.32	0.00	0.82	-0.09	-213.43	-1.75

NA - Information is not available.



Troll 9000
06/16/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 350.5 [ft]
 Pump placement from TOC 305 [ft]

Well Information:

Well Id CS-MW19-LGR
 Well diameter 4 [in]
 Well total depth 365 [ft]
 Depth to top of screen 340 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 134.21 [mL]
 Calculated Sample Rate 4027 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	13:49:18	71.74	6.68	625.82	3.97	3127.23	314.18
	13:50:18	71.58	6.71	624.89	8.47	3138.08	313.03
	13:51:20	71.20	6.71	623.04	3.12	3217.22	315.08
	13:52:21	71.08	6.71	619.80	10.64	3242.73	315.98
	13:53:21	71.44	6.71	621.54	12.23	3432.98	317.43
Variance in last 3 readings		-0.38	-0.01	-1.85	-5.35	79.14	2.05
		-0.12	0.00	-3.24	7.52	25.51	0.90
		0.36	0.00	1.74	1.59	190.24	1.45

NA - Information is not available.



Troll 9000
06/17/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 395.5 [ft]
 Pump placement from TOC 325 [ft]

Well Information:

Well Id CS-MW18-LGR
 Well diameter 4 [in]
 Well total depth 411 [ft]
 Depth to top of screen 385 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 136.41 [mL]
 Calculated Sample Rate 4093 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:36:55	71.90	6.94	530.57	1.44	4533.25	62.32
	10:37:54	72.13	6.94	537.75	1.06	4261.99	60.10
	10:38:55	72.04	6.93	537.94	0.64	4094.10	58.95
	10:39:56	71.90	6.93	539.31	1.01	3965.32	58.22
	10:40:58	72.07	6.93	542.45	0.92	3951.54	57.49
Variance in last 3 readings		-0.09	-0.01	0.18	-0.42	-167.89	-1.15
		-0.14	-0.01	1.37	0.38	-128.78	-0.73
		0.17	0.00	3.14	-0.09	-13.78	-0.73

NA - Information is not available.



Troll 9000
06/15/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 378 [ft]
 Pump placement from TOC 307 [ft]

Well Information:

Well Id CS-MW17-LGR
 Well diameter 4 [in]
 Well total depth 392.5 [ft]
 Depth to top of screen 367 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 135.56 [mL]
 Calculated Sample Rate 4067 [sec]
 Sample rate 90 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	8:55:04	70.71	7.28	397.37	0.06	6067.04	221.98
	9:04:37	70.52	6.64	621.90	1.77	4055.77	222.76
	9:08:15	70.46	6.69	625.51	0.91	3374.07	214.21
	9:09:46	70.45	6.71	626.11	0.91	3125.85	210.70
	9:11:16	70.47	6.72	626.28	0.77	2907.05	206.94
Variance in last 3 readings		-0.05	0.05	3.61	-0.86	-681.70	-8.55
		-0.01	0.01	0.60	0.00	-248.22	-3.51
		0.02	0.01	0.17	-0.14	-218.80	-3.76

NA - Information is not available.



Troll 9000
06/16/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 291.5 [ft]
 Pump placement from TOC 290 [ft]

Well Information:

Well Id CS-MW16-LGR
 Well diameter 4 [in]
 Well total depth 314.4 [ft]
 Depth to top of screen 199 [ft]
 Screen length 1332 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 131.31 [mL]
 Calculated Sample Rate 3940 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	11:00:04	70.57	6.70	555.47	6.20	3232.78	322.95
	11:01:04	70.86	6.71	557.94	10.64	2304.53	317.56
	11:02:05	70.74	6.71	554.81	3.04	2181.23	311.96
	11:03:05	70.70	6.71	555.01	2.70	2147.01	306.49
	11:04:06	70.66	6.71	555.27	6.19	2096.93	301.40
Variance in last 3 readings		-0.12	0.01	-3.13	-7.60	-123.30	-5.60
		-0.04	0.00	0.20	-0.34	-34.23	-5.47
		-0.04	0.00	0.26	3.49	-50.08	-5.09

NA - Information is not available.



Troll 9000
06/21/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 343 [ft]
 Pump placement from TOC 302 [ft]

Well Information:

Well Id CS-MW12-LGR
 Well diameter 4 [in]
 Well total depth 358.5 [ft]
 Depth to top of screen 333 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 133.84 [mL]
 Calculated Sample Rate 4016 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:49:41	71.97	6.79	553.69	119.63	3177.05	176.04
	9:50:42	71.80	6.79	551.99	57.17	2915.82	177.15
	9:51:42	71.97	6.79	551.14	168.48	2675.81	178.30
	9:52:44	71.98	6.79	553.90	169.82	2487.43	178.26
	9:53:45	71.95	6.79	551.93	132.25	2343.18	178.51
Variance in last 3 readings		0.17	0.00	-0.85	111.31	-240.01	1.15
		0.01	0.00	2.76	1.33	-188.38	-0.04
		-0.03	0.00	-1.97	-37.57	-144.25	0.26

NA - Information is not available.



Troll 9000
06/21/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 450 [ft]
 Pump placement from TOC 302 [ft]

Well Information:

Well Id CS-MW12-CC
 Well diameter 4 [in]
 Well total depth 465.5 [ft]
 Depth to top of screen 440 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 139.09 [mL]
 Calculated Sample Rate 4173 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:41:18	72.39	7.00	756.53	0.94	4068.23	-132.81
	10:42:17	72.25	6.98	759.50	0.87	3949.41	-129.65
	10:43:19	72.20	6.95	762.48	1.00	3818.47	-122.63
	10:44:20	72.38	6.94	765.62	1.00	3656.48	-114.68
	10:45:20	72.32	6.94	766.00	1.32	3544.71	-110.54
Variance in last 3 readings		-0.05	-0.03	2.99	0.13	-130.93	7.01
		0.18	0.00	3.14	0.01	-161.99	7.95
		-0.06	0.00	0.38	0.32	-111.78	4.15

NA - Information is not available.



Troll 9000
06/21/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 382 [ft]
 Pump placement from TOC 302 [ft]

Well Information:

Well Id CS-MW12-BS
 Well diameter 4 [in]
 Well total depth 408 [ft]
 Depth to top of screen 382 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 135.75 [mL]
 Calculated Sample Rate 4073 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:13:27	71.64	9.22	416.02	0.92	492.82	-36.11
	10:14:27	71.84	9.23	417.40	0.91	465.71	-42.27
	10:15:29	71.80	9.22	415.98	0.83	447.63	-46.72
	10:16:29	71.68	9.21	415.84	0.71	433.43	-50.14
	10:17:30	71.86	9.21	415.80	0.84	419.15	-53.69
Variance in last 3 readings		-0.04	0.00	-1.42	-0.08	-18.08	-4.45
		-0.12	-0.01	-0.15	-0.11	-14.20	-3.42
		0.18	0.00	-0.04	0.12	-14.28	-3.55

NA - Information is not available.



Troll 9000
06/23/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 430 [ft]
 Pump placement from TOC 342 [ft]

Well Information:

Well Id CS-MW11A-LGR
 Well diameter 4 [in]
 Well total depth 445.5 [ft]
 Depth to top of screen 420.3 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 138.11 [mL]
 Calculated Sample Rate 4144 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	11:11:49	71.08	6.70	533.15	0.62	4162.40	46.46
	11:12:51	71.46	6.69	539.65	0.58	3876.94	48.08
	11:13:51	72.74	6.69	545.02	0.56	3639.71	46.97
	11:14:51	73.45	6.69	552.93	0.98	3565.96	47.18
	11:15:52	74.39	6.69	558.90	0.56	3486.65	48.00
Variance in last 3 readings		1.28	0.00	5.37	-0.02	-237.23	-1.11
		0.71	0.00	7.90	0.43	-73.75	0.21
		0.94	0.00	5.98	-0.43	-79.31	0.81

NA - Information is not available.



Troll 9000
06/23/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 377 [ft]
 Pump placement from TOC 294 [ft]

Well Information:

Well Id CS-MW10-LGR
 Well diameter 4 [in]
 Well total depth 405 [ft]
 Depth to top of screen 370 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 135.51 [mL]
 Calculated Sample Rate 4066 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:34:32	71.30	6.63	671.05	0.61	4984.16	54.56
	9:35:34	71.27	6.62	675.92	0.54	4767.04	61.75
	9:36:34	71.25	6.61	677.88	0.41	4591.22	67.86
	9:37:35	71.30	6.61	678.67	0.55	4417.02	72.09
	9:38:36	71.29	6.61	678.96	0.24	4286.68	76.45
Variance in last 3 readings		-0.02	-0.01	1.96	-0.14	-175.82	6.11
		0.05	0.00	0.79	0.14	-174.20	4.23
		-0.01	0.00	0.29	-0.31	-130.34	4.36

NA - Information is not available.



Troll 9000
06/23/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 476 [ft]
 Pump placement from TOC 293 [ft]

Well Information:

Well Id CS-MW10-CC
 Well diameter 4 [in]
 Well total depth 541 [ft]
 Depth to top of screen 470 [ft]
 Screen length 300 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 140.37 [mL]
 Calculated Sample Rate 4212 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:16:33	70.95	7.20	796.36	0.47	4810.01	-95.81
	9:17:34	70.97	7.11	806.16	0.76	4530.34	-93.63
	9:18:35	70.94	7.07	812.50	1.05	4239.96	-93.41
	9:19:37	70.99	7.06	815.91	1.49	3974.40	-94.52
	9:20:37	71.01	7.05	817.92	0.85	3743.88	-96.02
Variance in last 3 readings		-0.03	-0.04	6.34	0.29	-290.37	0.21
		0.05	-0.01	3.42	0.45	-265.56	-1.11
		0.02	-0.01	2.01	-0.64	-230.52	-1.50

NA - Information is not available.



Troll 9000
06/15/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type Solar Power Submersible Pump
 Tubing Type NA
 Tubing Diameter NA
 Tubing Length NA
 Pump placement from TOC 342 [ft]

Well Information:

Well Id CS-I
 Well diameter 4 [in]
 Well total depth 361 [ft]
 Depth to top of screen NA
 Screen length NA

Pumping information:

Final pumping rate NA
 Flowcell volume NA
 Calculated Sample Rate NA
 Sample rate 20 [sec]
 Stabilized drawdown NA

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:49:43	73.25	6.71	560.43	0.35	4202.55	219.60
	10:50:03	72.53	6.71	553.83	0.24	4157.87	218.02
	10:50:24	72.44	6.71	553.10	0.22	3840.02	216.35
	10:50:44	72.46	6.71	553.03	0.24	3680.36	214.64
	10:51:04	72.37	6.71	552.31	0.03	3663.30	213.10
Variance in last 3 readings		-0.08	0.00	-0.73	-0.03	-317.85	-1.67
		0.02	0.01	-0.07	0.02	-159.66	-1.71
		-0.09	0.00	-0.72	-0.21	-17.06	-1.54

NA - Information is not available.



Troll 9000
06/16/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 253 [ft]
 Pump placement from TOC 253 [ft]

Well Information:

Well Id CS-D
 Well diameter 4 [in]
 Well total depth 263 [ft]
 Depth to top of screen 205 [ft]
 Screen length 58 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 117 [mL]
 Calculated Sample Rate 3510 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:52:25	70.53	6.73	545.07	1.51	1285.48	296.81
	9:53:26	70.52	6.73	545.07	1.83	1250.72	297.19
	9:54:28	70.59	6.73	545.39	1.19	1231.10	296.98
	9:55:28	70.63	6.74	546.29	1.29	1233.03	295.82
	9:56:28	70.62	6.73	545.00	1.38	1250.87	294.80
Variance in last 3 readings		0.07	0.00	0.32	-0.64	-19.62	-0.21
		0.04	0.01	0.90	0.09	1.93	-1.15
		-0.01	0.00	-1.28	0.09	17.85	-1.03

NA - Information is not available.



Troll 9000
06/22/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type NA
 Tubing Type NA
 Tubing Diameter NA
 Tubing Length NA
 Pump placement from TOC NA

Well Information:

Well Id CS-9
 Well diameter NA
 Well total depth NA
 Depth to top of screen NA
 Screen length NA

Pumping information:

Final pumping rate NA
 Flowcell volume NA
 Calculated Sample Rate NA
 Sample rate NA
 Stabilized drawdown NA

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:12:00	71.83	6.63	591.33	9.33	3000.65	303.88
	9:12:15	71.85	6.63	591.41	7.73	3660.61	303.03
	9:12:31	71.85	6.63	592.01	6.46	3999.46	302.13
	9:12:46	71.85	6.63	591.48	14.19	4181.59	301.19
	9:13:01	71.86	6.63	591.33	19.66	4247.00	300.25
Variance in last 3 readings		0.00	0.00	0.60	-1.27	338.85	-0.90
		0.00	0.00	-0.53	7.73	182.13	-0.94
		0.01	0.00	-0.15	5.46	65.41	-0.94

NA - Information is not available.



Troll 9000
06/16/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 247.5 [ft]
 Pump placement from TOC 251.5 [ft]

Well Information:

Well Id CS-4
 Well diameter 2 [in]
 Well total depth 256.5 [ft]
 Depth to top of screen 204.5 [ft]
 Screen length 52 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 117 [mL]
 Calculated Sample Rate 3510 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:25:12	69.91	6.77	524.61	0.35	2272.98	281.45
	9:26:12	70.06	6.78	524.97	0.38	2086.77	280.30
	9:27:13	69.96	6.78	525.86	0.04	1960.91	279.32
	9:28:13	70.10	6.79	525.44	0.21	1811.99	278.38
	9:29:13	70.59	6.80	527.76	0.43	1733.95	277.69
Variance in last 3 readings		-0.10	0.00	0.89	-0.34	-125.86	-0.98
		0.14	0.01	-0.42	0.17	-148.92	-0.94
		0.49	0.01	2.33	0.23	-78.04	-0.68

NA - Information is not available.



Troll 9000
06/16/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type QED Gas Operated Bladder Pump
 Tubing Type Teflon-lined Tubing
 Tubing Diameter 0.25 [in]
 Tubing Length 339 [ft]
 Pump placement from TOC 339 [ft]

Well Information:

Well Id CS-2
 Well diameter 4 [in]
 Well total depth 0 [ft]
 Depth to top of screen 0 [ft]
 Screen length 0 [in]

Pumping information:

Final pumping rate 0 [mL/min]
 Flowcell volume 117 [mL]
 Calculated Sample Rate 3510 [sec]
 Sample rate 60 [sec]
 Stabilized drawdown 0 [ft]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	8:59:53	69.76	6.70	596.75	7.59	2242.04	306.52
	9:00:53	69.88	6.70	596.82	7.32	2251.63	304.09
	9:01:53	69.80	6.70	598.05	6.65	2252.94	301.78
	9:02:55	69.81	6.70	597.58	5.62	2254.06	300.41
	9:03:55	69.79	6.69	597.42	5.59	2250.57	299.60
Variance in last 3 readings		-0.08	0.00	1.22	-0.67	1.31	-2.31
		0.01	0.00	-0.46	-1.03	1.12	-1.37
		-0.02	0.00	-0.16	-0.02	-3.49	-0.81

NA - Information is not available.



Troll 9000
06/22/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name SE_KC
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type NA
 Tubing Type NA
 Tubing Diameter NA
 Tubing Length NA
 Pump placement from TOC NA

Well Information:

Well Id CS-11
 Well diameter NA
 Well total depth NA
 Depth to top of screen NA
 Screen length NA

Pumping information:

Final pumping rate NA
 Flowcell volume NA
 Calculated Sample Rate NA
 Sample rate NA
 Stabilized drawdown NA

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	9:39:23	71.25	6.58	611.56	11.20	2743.75	84.66
	9:39:38	71.22	6.58	611.97	9.53	2798.93	87.10
	9:39:53	71.19	6.58	612.94	9.23	2859.57	89.45
	9:40:09	71.15	6.57	613.58	8.83	2924.87	91.84
	9:40:24	71.12	6.57	614.47	9.32	2987.04	94.19
Variance in last 3 readings		-0.04	0.00	0.97	-0.29	60.64	2.35
		-0.03	0.00	0.65	-0.40	65.30	2.39
		-0.03	0.00	0.89	0.49	62.16	2.35

NA - Information is not available.



Troll 9000
06/15/04

Low-Flow System
ISI Low-Flow Log

Project Information:

Operator Name KC SE
 Company Name Parsons
 Project Name CSSA Quarterly Groundwater Monitoring
 Site Name Camp Stanley Storage Activity

Pump Information:

Pump Model/Type Submersible Pump
 Tubing Type NA
 Tubing Diameter NA
 Tubing Length NA
 Pump placement from TOC NA

Well Information:

Well Id CS-MWH-LGR
 Well diameter NA
 Well total depth NA
 Depth to top of screen NA
 Screen length NA

Pumping information:

Final pumping rate NA
 Flowcell volume NA
 Calculated Sample Rate NA
 Sample rate NA
 Stabilized drawdown NA

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [uS/cm]	Turb [NTU]	DO [ug/L]	ORP [mV]
Stabilization Settings			+/-0	+/-0	+/-0	+/-0	+/-0
Last 5 Readings	10:27:17	69.97	6.75	522.95	215.91	4139.80	232.82
	10:27:48	69.91	6.79	523.77	25.71	3659.80	231.45
	10:28:18	70.14	6.81	526.20	42.65	3348.87	231.41
	10:28:50	71.42	6.76	532.95	24.76	3176.09	211.49
	10:29:20	71.12	6.71	526.32	44.14	3291.51	185.41
Variance in last 3 readings		0.23	0.02	2.43	16.95	-310.92	-0.04
		1.29	-0.05	6.75	-17.89	-172.78	-19.92
		-0.30	-0.05	-6.64	19.37	115.42	-26.08

NA - Information is not available.