LOW FLOW SAMPLING

EQUIPMENT < 250 WELLS W/ NITROGEN
CONTROLLER - MICROPURGE BASTOS (QED)
TAG #000029
PUMP 1 3/4" STAINLESS STEEL WITH
DISPOSABLE POLYETHELYNE BLADDERS
TAG #000033, TAG # 000034
THERMO ORION TURBIDITY METER
MODEL # AQ 4500 TAG # 000078
YSI 556 MULTI PROBE SYSTEM WITH
IN-LINE FLOW THROUGH CELL
TAG # 000079
WATER LEVEL IND SOLAIST TAG # 000095

LC-38 DIESEL SITE

9-14-11

WELL ID	DTW (TOC)	TD (TOC)	DTP (TOC)	TIME
MW-1	235.20	263.30	—	1200
MW-2	238.92	253.02	—	1335
MW-3	239.57	264.80	—	1050
MW-4	239.20	256.70	—	1215

MW-1
MW-2 - QC
MW-3
MW-4 - MS/MSD

DATE 9-14-11 PERSONNEL: G-GARCIA
WELL ID MW-1

AIR TEMP: 89 °F REL. HUM 39 %
WEATHER COND: CLOUDY 0-5 MPH

PUMP #: 000033 WATER QUALITY METER 45I 000078
DRUM: COMP 59AL WATER LEVEL IND: V 00095
GEN HRS: 1:20 TURBIDITY METER: 000079

WELL ID: 261.00 DTSW (bgs): 212.43
DTW (TOC) 235.20 WATER COL: 48.57
LOC: 2.57 COL VOL: 31.71
WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)
TEMP: 24.02 °C DO: 1.15 mg/L TURB: 12.7 NTU
COND: 11.11 mS/cm PH: 7.81
TDS: 7.218 g/L ORP: -12.4 mV

SAMPLE DATE: 9-14-11
" TIME: 1302
" ID#: LC38-DSPL-MW-001-0911

DATE: 9-14-11 WELL ID: MW-1 PERSONNEL: G-GARCIA

TIME	VOL	TEMP	COND	TDS	DO	PH	ORP	TURB
1240	INIT	23.86	10.36	6.732	3.66	7.68	-2.9	12.0
1245	750	23.59	10.85	7.053	2.10	7.74	-6.4	12.7
1250	1500	23.64	11.01	7.156	1.36	7.73	-9.8	11.8
1255	2250	23.80	11.08	7.199	1.20	7.81	-12.6	11.7
1300	3000	24.02	11.11	7.218	1.15	7.81	-12.4	12.7
	3750							
	4500							
1302	SAMPLE							

NOTES: SET-UP, PUMP SET @ 24, DRAWDOWN SET @ 236.20, CONTROLLER SET @ CPM2 TDS6
REFILL 15 DISCHARGE 15, PSI 120, START PURGE 1214, 1ST WATER 1233
FINISH 1325, TOTAL 1:11, INITIAL DRAWDOWN 235.20, TOTAL 235.70

DATE: 9-14-11 PERSONNEL: G GARCIA
WELL ID: MW-2

AIR TEMP: 92 °F REL. HUM 40 %
WEATHER COND: PARTLY CLOUDY 0-5

PUMP #: 000034 WATER QUALITY METER USI # 000079
DRUM: COMP 59AL WATER LEVEL IND#: 000095
GEN HRS: 1:15 TURBIDITY METER # 000078

WELL TD: 250.00 DTGW (bgs): 236.50
DTW (TOC) 238.92 WATER COL: 13.50
LOC: 2.42 COL. VOL: 8.81
WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)
TEMP: 24.69 °C DO: 2.15 mg/L TURB: 0.44 NTU
COND: 8.685 mS/cm PH: 8.28
TDS: 5.645 g/L ORP: -11.3 MV

SAMPLE DATE: 9-14-11
" TIME: 1430
" ID#: LC38-DSPL-MW-002-0911
LC38-DSPL-MW-102-0911

DATE: 9-14-11 WELL ID: MW-2 PERSONNEL: G-GARCIA

TIME	VOL	TEMP	COND	TDS	DO	PH	ORP	TURB
1408	INIT	25.43	8.786	5.711	3.74	8.27	-8.8	1.02
1413	750	25.66	8.749	5.687	3.47	8.28	-9.8	0.96
1418	1500	25.95	8.724	5.671	3.44	8.30	-10.7	0.53
1423	2250	24.84	8.707	5.660	3.14	8.30	-10.7	0.41
1428	3000	24.69	8.685	5.645	2.15	8.28	-11.3	0.44
	3750							
	4500							

1430 SAMPLE

NOTES: SET-UP, PUMP SET @ 240.75, DRAWDOWN SET 240.14, CONTROLLER SET CPM2 ID56
REFILL 15, DISCHARGE 15, PSI 120, START PURGE 1342, 1ST WATER 1359
FINISH 1450, TOTAL 1:07, INITIAL DRAWDOWN 239.14, TOTAL 239.74

DATE: 9-15-11 PERSONNEL: G. GARLIA
WELL ID: MW-3

AIR TEMP: 87 °F REL. HUM 45 %
WEATHER COND: PARTLY CLOUDY 0-5 MPH

PUMP#: 000034 WATER QUALITY METER YSI # 000079
DRUMS: COMP 59AL WATER LEVEL IND #: 000095
GEN HRS: 1:20 TURBIDITY METER # 000078

WELL TD: 255.0 DTGW (DGS): 237.18
DTW (TOC): 239.57 WATER COL: 17.82
LOC: 2.39 COL VOL: 11.63
WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)
TEMP: 23.21 °C DO: 1.51 mg/L TURB: 7.77 NTU
COND: 10.90 mS/cm PH: 7.03
TDS: 7.135 g/L ORP: 1.6 MV

SAMPLE DATE: 9-15-11
TIME: 1150
ID#: LC38-DSPL-MW-003-0911
(1145) LC38-DSPL-RB-001-0911

DATE: 9-15-11 WELL ID: MW-3 PERSONNEL: G. GARLIA

TIME	VOL	TEMP	COND	TDS	DO	PH	ORP	TURB
1128	INIT	23.34	10.76	6.997	4.26	7.30	7.1	7.07
1133	750	23.01	10.88	7.075	2.54	7.16	4.6	6.80
1138	1500	23.14	10.94	7.108	1.93	7.08	3.3	7.82
1143	2250	23.15	10.97	7.130	1.69	7.06	2.0	7.43
1148	3000	23.21	10.98	7.135	1.51	7.03	1.6	7.77
	3750							
	4500							
1150 SAMPLE								

NOTES: SET-UP, PUMP SET @ 242.09, DRAWDOWN SET 239.10, CONTROLLER SET @ 1050 CPM2
REFILL 15, DISCHARGE 15, PSI 120, START PURGE 1108, 1ST WATER 1123
FINISH 1212, TOTAL 1104, INIT DRAWDOWN 238.10, TOTAL 238.70.

DATE: 9-15-11 PERSONNEL: G. GARCIA
WELL ID: MW-4

AIR TEMP: 93 °F REL. HUM 45 %
WEATHER COND: CLOUDY 0-5 MPH

PUMP #: 000033 WATER QUALITY METER YSI: 000079
DRUM: COMP 59AL WATER LEVEL IND # 000095
GEN HRS 1:15 TURBIDITY METER # 000078

WELL TD: 257.00 DTGW (bgs): 236.84
DTW (TOC): 239.20 WATER COL: 20.16
LOC: 2.36 COL. VOL: 13.16
WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)
TEMP: 23.28 °C DO: 0.76 mg/L TURB: 58.9 NTU
COND: 12.21 mS/cm PH: 6.93
TDS: 7.937 g/L ORP: -79.2 mv

SAMPLE DATE: 9-15-11
" TIME: 1315
" ID#: LC38-DSPL-MW-004-0911
LC38-DSPL-MW-004-0911-MS/MSD

DATE: 9-15-11 WELL ID: MW-4 PERSONNEL: G. GARCIA

TIME	VOL	TEMP	COND	TDS	DO	PH	ORP	TURB
1251	INIT	23.64	11.86	7.710	3.36	6.83	-43.6	85.5
1256	750	23.43	12.01	7.808	1.59	6.78	-55.5	72.4
1301	1500	23.38	12.09	7.857	1.05	6.80	-63.0	65.4
1306	2250	23.35	12.13	7.886	0.89	6.85	-69.9	64.0
1311	3000	23.28	12.21	7.937	0.76	6.93	-79.2	58.9
	3750							
	4500							
1315 SAMPLE								

NOTES: SET-UP, PUMP SET @ 242.92, DRAWDOWN SET @ 240.60, CONTROLLER SET ID56 CPMD
REFILL 15, DISCHARGE 15, PSI 120, START PURGE 1237, 1ST WATER 1246
FINISH 1345, TOTAL 1:08, INITIAL DRAWDOWN 239.60, TOTAL 239.80