

**Table 3.
Water Quality Data Comparison to Criteria
from the Dry Period Sampling Event
SJRWMD Alternative Water Supply Program
Central Florida Artificial Recharge Project**

Parameter Group and Name	Unit	Location:						Maximum Contaminant Levels								Florida Brownfields				Risk-based Concentrations			
		Lake Orienta East		Lake Orienta West		Lake Sherwood		Florida MCL / SMCL (Chapter 62-550, FAC) ¹		Florida MCL / SMCL (Chapter 62-550, FAC) ¹		Federal MCL/SMCL ²		Federal MCL/SMCL ²		Florida Brownfield (62-785) ³		Florida Brownfield (62-785) ³		Regional USEPA RBC ⁴		Regional USEPA RBC ^{4,5}	
		SampleID: LO-E-R-DP		LO-W-R-DP		LS-R		MCL		SMCL		MCL		SMCL		GCTL		Groundwater LY/PQ		EPA Region III Tap Water (HQ=0.1)		EPA Region IV (HQ=0.1)	
		DateCollected: 23-Aug-01		23-Aug-01		13-Aug-01																	
Matrix: WA		WA		WA																			
SampleType: N		N		N																			
Result	Qual	Result	Qual	Result	Qual	Result	Qual	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit		
Radiologicals																							
ALPHA, GROSS	pCi/L	5.5 =		9.8 =		3.3 =		15 pCi/L															
BETA, GROSS	pCi/L	4.7 =		6.8 =		10.4 =																	
Anions																							
ALKALINITY, BICARBONATE (AS CaCO3)	mg/L	140 =		130 =		110 =																	
CHLORIDE (AS CL)	mg/L	17 =		19 =		9.7 =			250 mg/L				250 mg/L		250 mg/L		2500 mg/L						
CARBONATE (AS CO3)	mg/L	1.534 U		1.534 U		1.534 U																	
FLUORIDE	mg/L	0.062 U		0.062 U		0.36 =		4 mg/L		2 mg/L			2 mg/L		2 mg/L		20 mg/L		2.2 mg/L		0.22 mg/L		
SULFATE (AS SO4)	mg/L	14 =		55 =		16 =			250 mg/L				250 mg/L		250 mg/L		2500 mg/L						
Nutrients																							
NITROGEN, KJELDAHL, TOTAL	mg/L	0.36 J		2 =		1.4 =																	
NITROGEN, AMMONIA (AS N)	mg/L	0.13 =		0.46 =		1.2 =																	
NITROGEN, NITRITE	mg/L	0.042 U		0.042 U		0.042 U		1 mg/L					1 mg/L		1 mg/L				3.7 mg/L		3.7 mg/L		
NITROGEN, NITRATE (AS N)	mg/L	0.054 U		0.054 U		0.054 U		10 mg/L					10 mg/L		10 mg/L				58 mg/L		58 mg/L		
NITROGEN, NITRATE (AS N)	mg/L	0.054 U		0.054 U		0.054 U							10 mg/L		10 mg/L								
PHOSPHORUS, TOTAL (AS P)	mg/L	0.036 =		0.42 =		0.045 =																	
PHOSPHORUS, TOTAL ORTHOPHOSPHATE (AS P)	mg/L	0.09 =		0.045 =		0.009 J																	
General Chemistry																							
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	mg/L	240 =		270 =		150 =			500 mg/L				500 mg/L		500 mg/L		500 mg/L						
TURBIDITY	NTU	0.75 =		12 =		36 J																	
COLOR	COLOR UNIT	10 =		50 =		20 J																	
BIOLOGIC OXYGEN DEMAND, FIVE DAY	mg/L	0.99 U		0.99 U		0.99 U																	
TOTAL ORGANIC CARBON	mg/L	1.2 =		2.1 =		22 =																	
DISSOLVED ORGANIC CARBON	mg/L	1.2 =		1.4 =		2.5 =																	
METHYLENE BLUE ACTIVE SUBSTANCES	mg/L	0.047 U		0.095 J		0.047 U																	
Metals																							
ALUMINUM	µg/L	120 U		1610 =		88.4 UJ			200 µg/L				50 µg/L				200 µg/L		37000 µg/L		3700 µg/L		
ANTIMONY	µg/L	0.14 U		0.14 U		0.14 U		6 µg/L					6 µg/L		6 µg/L		60 µg/L		15 µg/L		1.5 µg/L		
ARSENIC	µg/L	0.4 U		6.36 =		1.09 =		50 µg/L					50 µg/L		50 µg/L		5000 µg/L		0.045 µg/L		0.045 µg/L		
BARIUM	µg/L	8.79 J		21 J		14.1 =		2000 µg/L					2000 µg/L		2000 µg/L		20000 µg/L		2600 µg/L		260 µg/L		
BERYLLIUM	µg/L	0.041 J		0.04 U		0.04 U		4 µg/L					4 µg/L		4 µg/L		400 µg/L		0.016 µg/L		0.016 µg/L		
CADMIUM	µg/L	0.233 J		1.46 =		0.08 U		5 µg/L					5 µg/L		5 µg/L		515 µg/L		18 µg/L		1.8 µg/L		
CALCIUM	µg/L	60000 =		65900 =		36600 =																	
CHROMIUM, TOTAL	µg/L	0.4 U		3.17 J		0.478 U		100 µg/L					100 µg/L		100 µg/L		1000 µg/L						
COBALT	µg/L	0.142 J		0.37 J		0.434 J													2200 µg/L		220 µg/L		
COPPER	µg/L	0.12 UJ		16.6 J		3 U			1000 µg/L				1000 µg/L		1000 µg/L		10000 µg/L		130000 µg/L		13000 µg/L		
IRON	µg/L	292 =		4680 =		6310 =			300 µg/L				300 µg/L		300 µg/L		300 µg/L		11000 µg/L		1100 µg/L		
LEAD	µg/L	0.131 U		9.24 =		0.972 J		15 µg/L					15 µg/L		15 µg/L		150 µg/L						
MAGNESIUM	µg/L	2410 =		9260 =		10600 =																	
MANGANESE	µg/L	10.8 =		61.4 =		76.5 =			50 µg/L				50 µg/L		50 µg/L		500 µg/L		840 µg/L		84 µg/L		
MERCURY	µg/L	0.1 U		0.1 U		0.1 U		2 µg/L					2 µg/L		2 µg/L		20 µg/L		11 µg/L		1.1 µg/L		
NICKEL	µg/L	5.08 =		6.77 =		23 =		100 µg/L					100 µg/L		100 µg/L		1000 µg/L		730 µg/L		73 µg/L		
POTASSIUM	µg/L	1380 J		1780 J		2760 J																	
SELENIUM	µg/L	1 U		2.38 U		1 U		50 µg/L					50 µg/L		50 µg/L		500 µg/L		180 µg/L		18 µg/L		
SILVER	µg/L	0.047 J		0.02 U		10.3 U			100 µg/L				100 µg/L		100 µg/L		1000 µg/L		180 µg/L		18 µg/L		
SODIUM	µg/L	6630 =		10900 =		14900 J		160000 µg/L															
THALLIUM	µg/L	0.02 U		0.02 U		0.02 U		2 µg/L					2 µg/L		2 µg/L								
VANADIUM	µg/L	0.351 J		6.95 J		0.08 U									49 µg/L		490 µg/L		260 µg/L		26 µg/L		
ZINC	µg/L	1 U		26.8 =		1.66 J			5000 µg/L				5000 µg/L		5000 µg/L		50000 µg/L		11000 µg/L		1100 µg/L		
Total Petroleum Hydrocarbons																							
TPH (C8 - C40 PRO)	mg/L	0.2 U		0.2 U		0.2 U									5 mg/L		50 mg/L						

Table 3.
Water Quality Data Comparison to Criteria
from the Dry Period Sampling Event
SJRWMD Alternative Water Supply Program
Central Florida Artificial Recharge Project

Parameter Group and Name	Location:			Maximum Contaminant Levels								Florida Brownfields				Risk-based Concentrations						
	Lake Orienta East		Lake Orienta West		Lake Sherwood		Florida MCL / SMCL (Chapter 62-550, FAC) ¹		Florida MCL / SMCL (Chapter 62-550, FAC) ¹		Federal MCL/SMCL ²		Federal MCL/SMCL ²		Florida Brownfield (62-785) ³		Florida Brownfield (62-785) ³		Regional USEPA RBC ⁴		Regional USEPA RBC ^{4,5}	
	SampleID: LO-E-R-DP		LO-W-R-DP		LS-R		MCL		SMCL		MCL		SMCL		GCTL		Groundwater LY/PQ		Tap Water (HQ=0.1)		(HQ=0.1)	
	DateCollected: 23-Aug-01		23-Aug-01		13-Aug-01																	
Matrix: WA		WA		WA																		
SampleType: N		N		N																		
Unit	Result	Qual	Result	Qual	Result	Qual	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit
Volatile Organic Compounds																						
ACETONE	µg/L	50	UJ	50	UJ	50	U								700	µg/L	7000	µg/L	3700	µg/L	370	µg/L
ACROLEIN	µg/L	100	UJ	100	UJ	100	UJ															
ACRYLONITRILE	µg/L	10	UJ	10	UJ	10	U															
BENZENE	µg/L	1	U	1	U	1	U	1	µg/L			5	µg/L		1	µg/L	100	µg/L	0.36	µg/L	0.36	µg/L
BROMODICHLOROMETHANE	µg/L	1	U	1	U	1	U	100	µg/L			100	µg/L		0.6	µg/L	60	µg/L	0.17	µg/L	0.17	µg/L
BROMOFORM	µg/L	1	UJ	1	UJ	1	U	100	µg/L			100	µg/L		4	µg/L	40	µg/L	2.4	µg/L	2.4	µg/L
BROMOMETHANE	µg/L	1	U	1	U	1	U								9.8	µg/L			8.7	µg/L	0.87	µg/L
METHYL ETHYL KETONE (2-BUTANONE)	µg/L	27	J	3.9	J	160	=								4200	µg/L			1900	µg/L	190	µg/L
CARBON DISULFIDE	µg/L	5	U	5	U	5	U								700	µg/L	7000	µg/L	1000	µg/L	100	µg/L
CARBON TETRACHLORIDE	µg/L	1	U	1	U	1	U	3	µg/L			5	µg/L		3	µg/L	300	µg/L	0.16	µg/L	0.16	µg/L
CHLOROBENZENE	µg/L	1	U	1	U	1	U	100	µg/L			100	µg/L		100	µg/L	1000	µg/L	39	µg/L	3.9	µg/L
CHLOROETHANE	µg/L	1	U	1	U	1	U								2800	µg/L	28000	µg/L	3.6	µg/L	3.6	µg/L
2-CHLOROETHYL VINYL ETHER	µg/L	5	UJ	5	UJ	5	U								175	µg/L	1750	µg/L	150	µg/L	15	µg/L
CHLOROFORM	µg/L	1	U	1	U	1	U	100	µg/L			100	µg/L		6	µg/L	600	µg/L	0.15	µg/L	0.15	µg/L
CHLOROMETHANE	µg/L	1	U	1	U	1	U								2.7	µg/L	270	µg/L	1.4	µg/L	1.4	µg/L
DIBROMOCHLOROMETHANE	µg/L	1	U	1	U	1	U	100	µg/L			100	µg/L		0.4	µg/L	40	µg/L	0.13	µg/L	0.13	µg/L
1,2-DICHLOROBENZENE	µg/L	1	U	1	U	1	U	600	µg/L			600	µg/L		600	µg/L	6000	µg/L	64	µg/L	6.4	µg/L
1,3-DICHLOROBENZENE	µg/L	1	U	1	U	1	U								10	µg/L	100	µg/L	540	µg/L	54	µg/L
1,4-DICHLOROBENZENE	µg/L	1	U	1	U	1	U	75	µg/L			75	µg/L		75	µg/L	7500	µg/L	0.44	µg/L	0.44	µg/L
DICHLORODIFLUOROMETHANE	µg/L	5	U	5	U	5	U								1400	µg/L			390	µg/L	39	µg/L
1,1-DICHLOROETHANE	µg/L	1	U	1	U	1	U								700	µg/L	7000	µg/L	810	µg/L	81	µg/L
1,2-DICHLOROETHANE	µg/L	1	U	1	U	1	U	3	µg/L			5	µg/L		3	µg/L	300	µg/L	0.12	µg/L	0.12	µg/L
1,1-DICHLOROETHENE	µg/L	1	U	1	U	1	U	7	µg/L			7	µg/L		7	µg/L	700	µg/L	0.044	µg/L	0.044	µg/L
cis-1,2-DICHLOROETHYLENE	µg/L	1	U	1	U	1	U	70	µg/L			70	µg/L		70	µg/L	700	µg/L	61	µg/L	6.1	µg/L
trans-1,2-DICHLOROETHENE	µg/L	1	U	1	U	1	U	100	µg/L			100	µg/L		100	µg/L	1000	µg/L	120	µg/L	12	µg/L
1,2-DICHLOROPROPANE	µg/L	1	U	1	U	1	U	5	µg/L			5	µg/L		5	µg/L	500	µg/L	0.16	µg/L	0.16	µg/L
cis-1,2-DICHLOROETHYLENE	µg/L	1	U	1	U	1	U								63	µg/L			55	µg/L	5.5	µg/L
trans-1,2-DICHLOROETHENE	µg/L	1	U	1	U	1	U								63	µg/L			55	µg/L	5.5	µg/L
ETHYLBENZENE	µg/L	1	U	1	U	1	U	700	µg/L	30	µg/L	700	µg/L		30	µg/L	300	µg/L	1300	µg/L	130	µg/L
2-HEXANONE	µg/L	25	UJ	25	UJ	25	U												1500	µg/L	150	µg/L
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/L	25	U	25	U	25	U								560	µg/L	5600	µg/L	2900	µg/L	290	µg/L
METHYLENE CHLORIDE	µg/L	0.43	J	0.55	J	10	U	5	µg/L			5	µg/L		5	µg/L	500	µg/L	4.1	µg/L	4.1	µg/L
STYRENE	µg/L	1	U	1	U	1	U	100	µg/L			100	µg/L		100	µg/L	1000	µg/L	1600	µg/L	160	µg/L
1,1,1,2-TETRACHLOROETHANE	µg/L	1	U	1	U	1	U								1	µg/L	100	µg/L	0.41	µg/L	0.41	µg/L
1,1,1,2-TETRACHLOROETHANE	µg/L	1	U	1	U	1	U								0.5	µg/L	50	µg/L	0.052	µg/L	0.052	µg/L
TETRACHLOROETHYLENE(PCE)	µg/L	1	U	1	U	1	U	3	µg/L			5	µg/L		3	µg/L	300	µg/L	1.1	µg/L	1.1	µg/L
TOLUENE	µg/L	1	U	1	U	1	U	1000	µg/L	40	µg/L	1000	µg/L		40	µg/L	400	µg/L	750	µg/L	75	µg/L
1,1,1-TRICHLOROETHANE	µg/L	1	U	1	U	1	U	200	µg/L			200	µg/L		200	µg/L	2000	µg/L	540	µg/L	54	µg/L
TRICHLOROETHYLENE (TCE)	µg/L	1	U	1	U	1	U	3	µg/L			5	µg/L		3	µg/L	300	µg/L	1.6	µg/L	1.6	µg/L
TRICHLOROFLUOROMETHANE	µg/L	5	U	5	U	5	U								2100	µg/L	21000	µg/L	1300	µg/L	130	µg/L
1,2,3-TRICHLOROPROPANE	µg/L	5	UJ	5	UJ	5	U								5	µg/L			0.0015	µg/L	0.0015	µg/L
BROMODICHLOROMETHANE	µg/L	1	U	1	U	1	U	100	µg/L			80	µg/L									
DIBROMOCHLOROMETHANE	µg/L	1	U	1	U	1	U	100	µg/L			80	µg/L									
BROMOFORM	µg/L	1	UJ	1	UJ	1	U	100	µg/L			80	µg/L									
CHLOROFORM	µg/L	1	U	1	U	1	U	100	µg/L			80	µg/L									
VINYL CHLORIDE	µg/L	1	U	1	U	1	U	1	µg/L			2	µg/L		1	µg/L	100	µg/L	0.019	µg/L	0.019	µg/L
M,P-XYLENE (SUM OF ISOMERS)	µg/L	2	U	2	U	2	U												12000	µg/L	12000	µg/L
O-XYLENE (1,2-DIMETHYLBENZENE)	µg/L	1	U	1	U	1	U												12000	µg/L	12000	µg/L
XYLENES, TOTAL	µg/L	3	U	3	U	3	U	10000	µg/L	20	µg/L	10000	µg/L		20	µg/L	200	µg/L	12000	µg/L	1200	µg/L

Table 3.
Water Quality Data Comparison to Criteria
from the Dry Period Sampling Event
SJRWMD Alternative Water Supply Program
Central Florida Artificial Recharge Project

Parameter Group and Name	Location:			Maximum Contaminant Levels								Florida Brownfields				Risk-based Concentrations			
	Unit	Result	Qual	Result	Qual	Result	Qual	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit
	SampleID:	LO-E-R-DP	LO-W-R-DP	LS-R	Florida MCL / SMCL (Chapter 62-550, FAC) ¹	Florida MCL / SMCL (Chapter 62-550, FAC) ¹	Federal MCL/SMCL ²	Federal MCL/SMCL ²	Florida Brownfield (62-785) ³	Florida Brownfield (62-785) ³	Regional USEPA RBC ⁴ EPA Region III Tap Water (HQ=0.1)	Regional USEPA RBC ^{4,5} EPA Region IV (HQ=0.1)							
	DateCollected:	23-Aug-01	23-Aug-01	13-Aug-01	MCL	SMCL	MCL	SMCL	GCTL	Groundwater LY/PQ									
Semi-volatile Organic Compound																			
ACENAPHTHENE	µg/L	5 U	5 U	5 UJ										20 µg/L	200 µg/L	2200 µg/L	220 µg/L		
ACENAPHTHYLENE	µg/L	5 U	5 U	5 UJ										210 µg/L	2100 µg/L				
ACETOPHENONE	µg/L	5 U	5 U	5 UJ															
4-AMINOBIIPHENYL (4-BIPHENYLAMINE)	µg/L	5 U	5 U	5 UJ															
2-AMINONAPHTHALENE (BETA NAPHTHYLAMINE)	µg/L	5 U	5 U	5 UJ															
ANILINE (PHENYLAMINE, AMINO BENZENE)	µg/L	5 U	5 U	5 UJ										6.1 µg/L	610 µg/L	10 µg/L	10 µg/L		
ANTHRACENE	µg/L	5 U	5 U	5 UJ										2100 µg/L	21000 µg/L	11000 µg/L	1100 µg/L		
AZOBENZENE	µg/L	5 U	5 U	5 UJ															
BENZIDINE	µg/L	20 U	20 U	20 UJ															
BENZO(a)ANTHRACENE	µg/L	5 U	5 U	5 UJ										0.2 µg/L	20 µg/L	0.092 µg/L	0.092 µg/L		
BENZO(a)PYRENE	µg/L	5 U	5 U	5 UJ	0.2 µg/L					0.2 µg/L				0.2 µg/L	20 µg/L	0.0092 µg/L	0.0092 µg/L		
BENZO(b)FLUORANTHENE	µg/L	5 U	5 U	5 UJ										0.2 µg/L	20 µg/L	0.092 µg/L	0.092 µg/L		
BENZO(g,h,i)PERYLENE	µg/L	5 U	5 U	5 UJ										210 µg/L	2100 µg/L				
BENZO(k)FLUORANTHENE	µg/L	5 U	5 U	5 UJ										0.5 µg/L	50 µg/L	0.92 µg/L	0.92 µg/L		
BENZYL ALCOHOL	µg/L	5 U	5 U	5 UJ										2100 µg/L	21000 µg/L	11000 µg/L	1100 µg/L		
bis(2-CHLOROETHOXY) METHANE	µg/L	5 U	5 U	5 UJ															
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	µg/L	5 U	5 U	5 UJ										4 µg/L	400 µg/L	0.0092 µg/L	0.0092 µg/L		
2,2'-OXYBIS(1-CHLORO)PROPANE	µg/L	5 U	5 U	5 UJ										280 µg/L		0.26 µg/L	0.26 µg/L		
bis(2-ETHYLHEXYL) PHTHALATE	µg/L	5 U	5 U	5 UJ	6 µg/L					6 µg/L				6 µg/L	600 µg/L	4.8 µg/L	4.8 µg/L		
4-BROMOPHENYL PHENYL ETHER	µg/L	5 U	5 U	5 UJ												2100 µg/L	210 µg/L		
BENZYL BUTYL PHTHALATE	µg/L	10 U	10 U	10 UJ										1400 µg/L	14000 µg/L	7300 µg/L	730 µg/L		
CARBAZOLE	µg/L	5 U	5 U	5 UJ										4 µg/L	400 µg/L	3.4 µg/L	3.4 µg/L		
4-CHLORO-3-METHYLPHENOL	µg/L	5 U	5 U	5 UJ										3000 µg/L					
4-CHLOROANILINE	µg/L	5 U	5 U	5 UJ										28 µg/L	280 µg/L	150 µg/L	15 µg/L		
1-CHLORONAPHTHALENE	µg/L	5 U	5 U	5 UJ															
2-CHLORONAPHTHALENE	µg/L	5 U	5 U	5 UJ										560 µg/L	5600 µg/L	2900 µg/L	290 µg/L		
2-CHLOROPHENOL	µg/L	5 U	5 U	5 UJ										35 µg/L		180 µg/L	18 µg/L		
4-CHLOROPHENYL PHENYL ETHER	µg/L	5 U	5 U	5 UJ															
CHRYSENE	µg/L	5 U	5 U	5 UJ										5 µg/L	500 µg/L	9.2 µg/L	9.2 µg/L		
DIBENZ(a,h)ANTHRACENE	µg/L	5 U	5 U	5 UJ										0.2 µg/L	20 µg/L	0.0092 µg/L	0.0092 µg/L		
DIBENZOFURAN	µg/L	5 U	5 U	5 UJ										28 µg/L	280 µg/L	150 µg/L	15 µg/L		
1,2-DICHLOROBENZENE	µg/L	5 U	5 U	5 UJ	600 µg/L					600 µg/L				600 µg/L	6000 µg/L	64 µg/L	6.4 µg/L		
1,3-DICHLOROBENZENE	µg/L	5 U	5 U	5 UJ										10 µg/L	100 µg/L	540 µg/L	54 µg/L		
1,4-DICHLOROBENZENE	µg/L	5 U	5 U	5 UJ	75 µg/L					75 µg/L				75 µg/L	7500 µg/L	0.44 µg/L	0.44 µg/L		
3,3'-DICHLOROBENZIDINE	µg/L	5 U	5 U	5 UJ										12 µg/L		0.15 µg/L	0.15 µg/L		
2,4-DICHLOROPHENOL	µg/L	5 U	5 UJ	5 UJ										5 µg/L		110 µg/L	11 µg/L		
2,6-DICHLOROPHENOL	µg/L	5 U	5 U	5 UJ															
DIETHYL PHTHALATE	µg/L	5 U	5 U	5 UJ										5600 µg/L	56000 µg/L	29000 µg/L	2900 µg/L		
DIMETHYL PHTHALATE	µg/L	5 U	5 U	5 UJ										70000 µg/L	700000 µg/L	370000 µg/L	37000 µg/L		
p-DIMETHYLAMINOAZOBENZENE	µg/L	5 U	5 U	5 UJ															
7,12-DIMETHYLBENZ(a)ANTHRACENE	µg/L	5 U	5 U	5 UJ															
3,3'-DIMETHYLBENZIDINE	µg/L	10 U	10 U	10 UJ															
2,4-DIMETHYLPHENOL	µg/L	5 U	5 U	5 UJ										140 µg/L	1400 µg/L	730 µg/L	73 µg/L		
DI-n-BUTYL PHTHALATE	µg/L	5 U	5 U	5 UJ										700 µg/L	7000 µg/L	3700 µg/L	370 µg/L		
4,6-DINITRO-2-METHYLPHENOL	µg/L	5 U	5 U	5 UJ												3.7 µg/L	0.37 µg/L		
1,3-DINITROBENZENE	µg/L	5 U	5 U	5 UJ															
2,4-DINITROPHENOL	µg/L	20 U	20 U	20 UJ										30 µg/L		73 µg/L	7.3 µg/L		
2,4-DINITROTOLUENE	µg/L	5 U	5 U	5 UJ										0.2 µg/L		0.099 µg/L	0.099 µg/L		
2,6-DINITROTOLUENE	µg/L	5 U	5 U	5 UJ										0.2 µg/L		0.099 µg/L	0.099 µg/L		
2,4-DINITROTOLUENE	µg/L	5 U	5 U	5 UJ										0.2 µg/L	20 µg/L	73 µg/L	7.3 µg/L		
2,6-DINITROTOLUENE	µg/L	5 U	5 U	5 UJ										0.1 µg/L	10 µg/L	37 µg/L	3.7 µg/L		
DI-n-OCTYLPHTHALATE	µg/L	10 U	10 U	10 UJ										140 µg/L	1400 µg/L	730 µg/L	73 µg/L		
DIPHENYLAMINE	µg/L	5 U	5 U	5 UJ										175 µg/L		910 µg/L	91 µg/L		

Table 3.
Water Quality Data Comparison to Criteria
from the Dry Period Sampling Event
SJRWMD Alternative Water Supply Program
Central Florida Artificial Recharge Project

Parameter Group and Name	Location:			Maximum Contaminant Levels								Florida Brownfields				Risk-based Concentrations					
	Unit	Result	Qual	Result	Qual	Result	Qual	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit
	SampleID :	LO-E-R-DP	LO-W-R-DP	LS-R	Florida MCL / SMCL (Chapter 62-550, FAC) ¹	Florida MCL / SMCL (Chapter 62-550, FAC) ¹	Federal MCL/SMCL ²	Federal MCL/SMCL ²	Florida Brownfield (62-785) ³	Florida Brownfield (62-785) ³	Regional USEPA RBC ⁴ EPA Region III Tap Water (HQ=0.1)	Regional USEPA RBC ^{4,5} EPA Region IV (HQ=0.1)									
	DateCollected :	23-Aug-01	23-Aug-01	13-Aug-01	MCL	SMCL	MCL	SMCL	GCTL	Groundwater LY/PQ											
1,2-DIPHENYLHYDRAZINE	µg/L	5 U	5 U	5 UJ																	
FLUORANTHENE	µg/L	5 U	5 U	5 UJ										280 µg/L	2800 µg/L	1500 µg/L	150 µg/L				
FLUORENE	µg/L	5 U	5 U	5 UJ										280 µg/L	2800 µg/L	1500 µg/L	150 µg/L				
HEXACHLOROBENZENE	µg/L	5 U	5 U	5 UJ	1 µg/L			1 µg/L						1 µg/L	100 µg/L	0.0066 µg/L	0.0066 µg/L				
HEXACHLOROBUTADIENE	µg/L	5 U	5 U	5 UJ										0.5 µg/L	50 µg/L	0.14 µg/L	0.14 µg/L				
HEXACHLOROCYCLOPENTADIENE	µg/L	5 U	5 U	5 UJ	50 µg/L			50 µg/L						50 µg/L	500 µg/L	0.15 µg/L	0.015 µg/L				
HEXACHLOROETHANE	µg/L	5 UJ	5 UJ	5 UJ										3 µg/L	300 µg/L	0.75 µg/L	0.75 µg/L				
HEXACHLOROPROPENE	µg/L	5 U	5 U	5 UJ																	
INDENO(1,2,3-c,d)PYRENE	µg/L	5 U	5 U	5 UJ										0.2 µg/L	20 µg/L	0.092 µg/L	0.092 µg/L				
ISOPHORONE	µg/L	5 U	5 U	5 UJ										37 µg/L		71 µg/L	71 µg/L				
3-METHYLCHOLANTHRENE	µg/L	5 U	5 U	5 UJ																	
1-METHYLNAPHTHALENE	µg/L	5 U	5 U	5 UJ										20 µg/L	200 µg/L						
2-METHYLNAPHTHALENE	µg/L	5 U	5 U	5 UJ										20 µg/L	200 µg/L	1500 µg/L	1500 µg/L				
2-METHYLPHENOL (o-CRESOL)	µg/L	5 U	5 U	5 UJ										350 µg/L	3500 µg/L	1800 µg/L	180 µg/L				
CRESOLS, m & p	µg/L	10 U	10 U	10 UJ										35 µg/L	350 µg/L	180 µg/L	18 µg/L				
NAPHTHALENE	µg/L	5 U	5 U	5 UJ										20 µg/L	200 µg/L	1500 µg/L	150 µg/L				
1-NAPHTHYLAMINE	µg/L	5 U	5 U	5 UJ																	
2-NITROANILINE	µg/L	5 U	5 U	5 UJ										50 µg/L	500 µg/L	2.2 µg/L	0.22 µg/L				
3-NITROANILINE	µg/L	5 U	5 U	5 UJ												110 µg/L	11 µg/L				
4-NITROANILINE	µg/L	5 U	5 U	5 UJ										20 µg/L	200 µg/L	110 µg/L	11 µg/L				
NITROBENZENE	µg/L	5 U	5 U	5 UJ										4 µg/L	40 µg/L	3.4 µg/L	0.34 µg/L				
2-NITROPHENOL	µg/L	5 U	5 U	5 UJ																	
4-NITROPHENOL	µg/L	20 U	20 U	20 UJ												290 µg/L	29 µg/L				
N-NITROSODIETHYLAMINE	µg/L	5 U	5 U	5 UJ																	
N-NITROSODIMETHYLAMINE	µg/L	5 U	5 U	5 UJ										2 µg/L	200 µg/L	0.0013 µg/L	0.0013 µg/L				
N-NITROSO-DI-N-BUTYLAMINE	µg/L	5 U	5 U	5 UJ																	
N-NITROSODI-n-PROPYLAMINE	µg/L	5 U	5 U	5 U										4 µg/L	400 µg/L	0.0096 µg/L	0.0096 µg/L				
N-NITROSODIPHENYLAMINE	µg/L	5 U	5 U	5 UJ										7 µg/L	700 µg/L	14 µg/L	14 µg/L				
N-NITROSOPIPERIDINE	µg/L	5 U	5 U	5 UJ																	
PENTACHLOROBENZENE	µg/L	5 U	5 U	5 UJ																	
PENTACHLORONITROBENZENE	µg/L	5 U	5 U	5 UJ																	
PENTACHLOROPHENOL	µg/L	20 U	20 U	20 UJ	1 µg/L			1 µg/L						1 µg/L		0.56 µg/L	0.56 µg/L				
PHENACETIN	µg/L	5 U	5 U	5 UJ																	
PHENANTHRENE	µg/L	5 U	5 U	5 UJ										210 µg/L	2100 µg/L						
PHENOL	µg/L	5 U	5 U	5 UJ										10 µg/L	100 µg/L	22000 µg/L	2200 µg/L				
2-PICOLINE (ALPHA-PICOLINE)	µg/L	5 U	5 U	5 UJ																	
PYRENE	µg/L	5 U	5 U	5 UJ										210 µg/L	2100 µg/L	1100 µg/L	110 µg/L				
PYRIDINE	µg/L	5 U	5 U	5 UJ																	
1,2,4,5-TETRACHLOROBENZENE	µg/L	5 U	5 U	5 UJ																	
2,3,4,6-TETRACHLOROPHENOL	µg/L	5 U	5 U	5 UJ																	
1,2,4-TRICHLOROBENZENE	µg/L	5 U	5 U	5 UJ	70 µg/L			70 µg/L						70 µg/L	700 µg/L	190 µg/L	19 µg/L				
2,4,5-TRICHLOROPHENOL	µg/L	5 U	5 U	5 UJ										4 µg/L		3700 µg/L	370 µg/L				
2,4,6-TRICHLOROPHENOL	µg/L	5 U	5 U	5 UJ										5 µg/L		6.1 µg/L	6.1 µg/L				
Pesticides																					
ALDRIN	µg/L	0.02 U	0.02 U	0.02 U												0.005 µg/L	0.5 µg/L	0.004 µg/L	0.004 µg/L		
ALPHA-CHLORDANE	µg/L	0.02 U	0.02 U	0.02 U												2 µg/L	200 µg/L	0.19 µg/L	0.19 µg/L		
GAMMA-CHLORDANE	µg/L	0.02 U	0.02 U	0.02 U												2 µg/L	200 µg/L	0.19 µg/L	0.19 µg/L		
p,p'-DDD	µg/L	0.02 U	0.02 U	0.02 U												0.1 µg/L	10 µg/L	0.28 µg/L	0.28 µg/L		
p,p'-DDE	µg/L	0.02 U	0.02 U	0.02 U												0.1 µg/L	10 µg/L	0.2 µg/L	0.2 µg/L		
p,p'-DDT	µg/L	0.02 U	0.02 U	0.02 U												0.1 µg/L	10 µg/L	0.2 µg/L	0.2 µg/L		
DIELDRIN	µg/L	0.02 U	0.02 U	0.02 U												0.005 µg/L	0.5 µg/L	0.0042 µg/L	0.0042 µg/L		
ENDOSULFAN SULFATE	µg/L	0.02 U	0.02 U	0.02 U																	
ALPHA ENDOSULFAN	µg/L	0.02 UJ	0.02 UJ	0.02 U																	
BETA ENDOSULFAN	µg/L	0.02 UJ	0.02 UJ	0.02 UJ																	

Table 3.
Water Quality Data Comparison to Criteria
from the Dry Period Sampling Event
SJRWMD Alternative Water Supply Program
Central Florida Artificial Recharge Project

Parameter Group and Name	Location:			Maximum Contaminant Levels								Florida Brownfields				Risk-based Concentrations					
	Unit	Result	Qual	Result	Qual	Result	Qual	Result	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit	Criteria	Unit
	SampleID :	LO-E-R-DP	LO-W-R-DP	LS-R	Florida MCL / SMCL (Chapter 62-550, FAC) ¹	Florida MCL / SMCL (Chapter 62-550, FAC) ¹	Federal MCL/SMCL ²	Federal MCL/SMCL ²	Florida Brownfield (62-785) ³	Florida Brownfield (62-785) ³	Regional USEPA RBC ⁴ EPA Region III	Regional USEPA RBC ^{4,5} EPA Region IV									
	DateCollected :	23-Aug-01	23-Aug-01	13-Aug-01	MCL	SMCL	MCL	SMCL	GCTL	Groundwater LY/PQ	Tap Water (HQ=0.1)	(HQ=0.1)									
ENDRIN	µg/L	0.02 U	0.02 U	0.02 U				2 µg/L							2 µg/L	20 µg/L	11 µg/L	1.1 µg/L			
ENDRIN ALDEHYDE	µg/L	0.02 U	0.02 U	0.02 U																	
ENDRIN KETONE	µg/L	0.02 U	0.02 U	0.02 U																	
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	µg/L	0.02 U	0.02 UJ	0.02 U											0.006 µg/L	0.6 µg/L	0.011 µg/L	0.011 µg/L			
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	µg/L	0.02 U	0.02 U	0.02 U											0.02 µg/L	2 µg/L	0.037 µg/L	0.037 µg/L			
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	µg/L	0.02 U	0.02 U	0.02 U											2.1 µg/L	21 µg/L					
GAMMA BHC (LINDANE)	µg/L	0.02 U	0.02 U	0.02 U				0.2 µg/L							0.2 µg/L	20 µg/L	0.052 µg/L	0.052 µg/L			
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	µg/L	0.02 U	0.02 UJ	0.02 U											0.02 µg/L		0.037 µg/L	0.037 µg/L			
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	µg/L	0.02 U	0.02 U	0.02 U											0.02 µg/L		0.037 µg/L	0.037 µg/L			
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	µg/L	0.02 U	0.02 U	0.02 U											0.02 µg/L		0.037 µg/L	0.037 µg/L			
GAMMA BHC (LINDANE)	µg/L	0.02 U	0.02 U	0.02 U											0.02 µg/L		0.037 µg/L	0.037 µg/L			
HEPTACHLOR	µg/L	0.02 U	0.02 U	0.02 U				0.4 µg/L							0.4 µg/L	40 µg/L	0.0023 µg/L	0.0023 µg/L			
HEPTACHLOR EPOXIDE	µg/L	0.02 U	0.02 U	0.02 U				0.2 µg/L							0.2 µg/L	20 µg/L	0.0012 µg/L	0.0012 µg/L			
METHOXYCHLOR	µg/L	0.02 U	0.02 U	0.02 U				40 µg/L							40 µg/L	400 µg/L	180 µg/L	18 µg/L			
TOXAPHENE	µg/L	0.5 U	0.5 U	0.5 U				3 µg/L							3 µg/L	300 µg/L	0.061 µg/L	0.061 µg/L			
Polychlorinated biphenols (PCBs)																					
PCB, TOTAL	µg/L	0.5 U	0.5 U	0.5 U				0.5 µg/L							0.5 µg/L	50 µg/L	0.034 µg/L	0.034 µg/L			
PCB-1016 (AROCHLOR 1016)	µg/L	0.5 U	0.5 U	0.5 U											1 µg/L	10 µg/L	2.6 µg/L	0.26 µg/L			
PCB-1221 (AROCHLOR 1221)	µg/L	0.5 U	0.5 U	0.5 U				0.5 µg/L							0.5 µg/L	50 µg/L	0.034 µg/L	0.034 µg/L			
PCB-1232 (AROCHLOR 1232)	µg/L	0.5 U	0.5 U	0.5 U				0.5 µg/L							0.5 µg/L	50 µg/L	0.034 µg/L	0.034 µg/L			
PCB-1248 (AROCHLOR 1248)	µg/L	0.5 U	0.5 U	0.5 U				0.5 µg/L							0.5 µg/L	50 µg/L	0.034 µg/L	0.034 µg/L			
PCB-1254 (AROCHLOR 1254)	µg/L	0.5 U	0.5 U	0.5 U											1 µg/L	10 µg/L	0.73 µg/L	0.073 µg/L			
PCB-1260 (AROCHLOR 1260)	µg/L	0.5 U	0.5 U	0.5 U				0.5 µg/L							0.5 µg/L	50 µg/L	0.034 µg/L	0.034 µg/L			
Herbicides																					
2,4,5-T (TRICHLOROPHOXYACETIC ACID)	µg/L	0.2 U	0.2 U	0.2 U											70 µg/L	700 µg/L	370 µg/L	37 µg/L			
2,4-D (DICHLOROPHOXYACETIC ACID)	µg/L	2 U	2 U	2 U				70 µg/L							70 µg/L	700 µg/L	61 µg/L	6.1 µg/L			
2,4 DB	µg/L	2 U	2 U	2 U											56 µg/L		290 µg/L	29 µg/L			
DALAPON	µg/L	5 U	5 U	5 U				200 µg/L							200 µg/L		1100 µg/L	110 µg/L			
DICHLOROPROP	µg/L	2 U	2 U	2 U											0.1 µg/L	1 µg/L					
DICAMBA	µg/L	0.2 U	0.2 U	0.2 U											210 µg/L		1100 µg/L	110 µg/L			
DINOSEB	µg/L	1 U	1 U	1 U				7 µg/L							7 µg/L	70 µg/L	37 µg/L	3.7 µg/L			
MCPA (Methyl-4-chlorophenoxy acetic acid, 2-)	µg/L	200 U	200 U	200 U											3.5 µg/L	35 µg/L	18 µg/L	1.8 µg/L			
MCPP ((2-Methyl-4-chlorophenoxy)butyric acid, 4-)	µg/L	200 U	200 U	200 U											70 µg/L		370 µg/L	37 µg/L			
SILVEX (2,4,5-TP)	µg/L	0.2 U	0.2 U	0.2 U				50 µg/L							50 µg/L	500 µg/L	290 µg/L	29 µg/L			

Notes:

Shaded cells with bolded values represent detections equal to or above promulgated regulatory criteria.
 Shaded cells with boxed values represent detections equal to or above Risk-Based Criteria.
 Shaded cells with bolded and boxed values represent detections equal to or above promulgated regulatory and Risk-Based Criteria.
 Bolded values represent reporting limits equal to above promulgated regulatory criteria.
 Boxed values represent reporting limits equal to above Risk-Based Criteria.
 Bolded and boxed values represent reporting limits equal to above promulgated regulatory criteria and Risk-Based Criteria.

Explanation of Qualifiers

"=" Represents a detection at the value shown
 "U" Represents a nondetection above the reporting limit shown
 "J" Represents an estimated value between the method detection limit and the practical quantitation limit.
 "UJ" Represents a nondetection above the value shown
 Blanks for the chemical data represent nondetections
 Blanks for the criteria and screening values represent no established values.

Sources:

¹ Florida Ground Water Guidance Concentrations, 17-520.400 FAC, June 2, 1994: Primary Drinking Water Standards (17-550.310 FAC),
² Drinking Water Regulations and Health Advisories, Office of Water, USEPA, October 1996.
³ Brownfield's Cleanup Criteria Rule, Groundwater Cleanup Target Levels, Draft Chapter 62-785 F.A.C., 1997.
⁴ EPA Region III Risk-Based Concentration Table, Tap Water Values, R.L. Smith, October 1997.
⁵ EPA Region IV Supplemental Guidance to RAGS: Region 4 Bulletins, Human Health Risk Assessment, November 1995; HQ=0.1 applied to noncarcinogens.

Explanation of Units

pCi/L - picoCuries per liter
 mg/L - milligrams per liter
 NTU - Nephelometric Turbidity Units
 µg/L - micrograms per liter