

WATER ANALYSIS

	Method	Work Days
<u>Agricultural:</u>		
Ag Suitability: pH, EC, Cl, HCO ₃ +CO ₃ , SO ₄ , NO ₃ -N, SAR, SAR _{adj} , LI,		5
Dissolved: Ca, Mg, B, Na, Fe, Mn		
pH Titration Curve (7.0, 6.8, 6.5, 6.0, 2.0)		7
<u>Regional Board Area 3</u>		
RB3 w/GeoTracker only (Ag Suit w/Homeowner1) Submitted		8
RB3 only (Ag Suit w/Homeowner1) Submitted		8
RB3 NO ₃ -N only (Ag Suit w/Homeowner1) Submitted		8
<u>Wastewater Analysis:</u>		
Wastewater General Mineral: Alkalinity (OH, CO ₃ , HCO ₃), EC, SO ₄ , Cl,		15
pH, TDS, Calculated Total Hardness, Corrosivity (LI), Total: P, K, Ca, Mg, Na, Fe, Mn, Cu, Zn; No MBAS		
Storm Water Runoff: EC, pH, TSS, Oil & Grease		12
EC, pH, TSS, TOC		10
<u>Dairy Water Analysis:</u>		
<u>Process Water Analysis:</u>		
DPW1: EC, pH, NO ₃ -N, NH ₄ -N, TKN, TDS, TP, TK		12
DPW2: DPW1 plus HCO ₃ , CO ₃ , Cl, SO ₄ , Total: Ca, Mg, Na		15
*NH ₄ -N will be run if Field NH ₄ -N is detected		
<u>Well Water Analysis:</u>		
DWW1: EC, pH, NO ₃ -N, Field NH ₄ -N*		10
DWW2: DWW1 plus HCO ₃ , CO ₃ , Cl SO ₄ , Dissolved: Ca, Mg, Na		10
*NH ₄ -N will be run if Field NH ₄ -N is detected		10
<u>Canal Water Analysis:</u>		
DCW1: EC, NO ₃ -N, TDS		15
<u>Bacteriology Water and Swab Analyses</u>		
<u>Bacteriological - Water</u>		
Coliform, E. coli, P/A	SM 9223	6
Coliform, E. coli, P/A w/Cl ₂		6
Coliform, E. coli, MPN	SM 9223	7
Coliform, E. coli, MPN w/Cl ₂		
Coliform, Fecal, E. coli, MPN (1x10)		7
Weekend (Friday): Coliform, E. coli, P/A		5
Coliform, E. coli, MPN		5
Coliform, Fecal, E. coli, MPN (1x10)		5
E. coli 0157:H7, P/A		8
Listeria, Genus, P/A		7
Salmonella, P/A		7
<u>Bacteriology – Swab Analyses</u>		
Coliform, E. coli, MPN	Petrifilm	7
Listeria, Genus, P/A		7
Salmonella, P/A		7
E. coli, 0157:H7, P/A		7
APC (Aerobic Plate Count)		14
Swab Kit includes glove and treated sponge (per kit)		
Pack of 20 Swab Kits (per pack)		
<u>Homeowner – Nonregulatory</u>		
HO1: Alkalinity, EC, Ca, Cl, Fe, Mg, NO ₃ , NO ₃ -N, Na		6
HO2: HO1 plus Ag Suit		10
<u>General Mineral:</u> Alkalinity (OH, CO ₃ , HCO ₃), EC, SO ₄ , Cl, pH,		
MBAS, TDS, Calculated Total Hardness, Corrosivity (LI),		10
Dissolved: Ca, Mg, Na, Fe, Mn, Cu, Zn		
<u>General Physical:</u> Color, Odor, Turbidity		
		3
<u>Copper and Lead</u> (First-draw)		
		15

<u>Inorganic Chemical Scan I:</u> Al, Sb, As, Ba, Be, Cd, Cr, F, Pb, Hg, Ni, NO ₃ , NO ₂ -N, Se, Ag, Tl	20
<u>Inorganic Chemical Scan II:</u> Inorganic Chemical Scan I plus Cyanide	20
<u>Radioactivity</u>	
Gross Alpha	14
Uranium	14
Total Radium 223, 224, 226	14
Radium 226	28
Radium 228	28
<u>Synthetic Organic Chemicals</u>	
Organic EPA 504: Ethylene dibromide (EDB), Dibromochloropropane (DBCP)	10
Organic EPA 507: Alachlor, Atrazine, Molinate, Simazine, Thiobencarb	15
Organic EPA 508: Endrin, Lindane, Methoxychlor, Toxaphene, Chlordane, Heptachlor, Heptachlor epoxide	15
Organic EPA 515.1: Bentazon; 2,4-D; 2,4,5-TP	15
Organic EPA 525.2: Screen includes EPA 507	15
Organic EPA 531: Carbofuran	10
Organic EPA 547: Glyphosate	15
Organic EPA 548: Endothall	15
Organic EPA 549: Diquat	15
<u>Volatile Organic EPA 524 (GC/MS, Regulated & Unregulated</u>	15
Partial List: 1,1,1-Trichloroethane; Trichloroethylene; 1,1-Dichloroethylene; Benzene; Xylenes; Monochlorobenzene; Ethylbenzene; 1,3-Dichloropropene; 1,1,2,2-Tetrachloroethane; Tetrachloroethylene; 1,2-Dichloroethane; Vinyl chloride; Carbon tetrachloride; 1,4-Dichlorobenzene; 1,1,2-Trichloroethane; Cis-1,2-Dichloroethylene; Trans-1,2-Dichloroethylene; 1,1-Dichloroethane; 1,2-Dichloropropane; Trichlorofluoromethane (Freon 11); 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	

INDIVIDUAL WATER ANALYSIS

	<i>Method</i>	<i>Work Days</i>
<u>Individual Water Analysis:</u>		
Acidity (as CaCO ₃)	SM 2310-B	5
Alkalinity (as CaCO ₃)	SM 2320-B/EPA 310.1	5
Aluminum (Al)	SM 3120-B/EPA 200.7	5
Asbestos	EPA 100.2	10
Arsenic (As)	EPA 200.8	15
Barium (Ba)	SM 3120-B/EPA 200.7	5
Beryllium (Be)	SM 3120-B/EPA 200.7	5
Boron (B)	SM 3120-B/EPA 200.7	5
Bromate (BrO ₃)		10
Bromide	EPA 300.1	10
Cadmium (Cd)	SM 3120-B/EPA 200.7	5
Calcium (Ca)	SM 3120-B/EPA 200.7	5
Carbon, Total Organic (Non Purgeable Organic Carbon)	EPA 415.1	6
Carbonate and Bicarbonate (CO ₃ and HCO ₃)	SM 2320-B	5
Chloride (Cl)	SM 4500-Cl B/EPA 300.0	5
Chromium (Cr), Total	SM 3120-B/EPA 200.7	5
Total (1 ppb)	EPA 200.8	15
Hexavalent (Cr VI)	EPA 218.6	15
Color	SM 2120-B	3
Copper (Cu), Domestic	SM 3120-B/EPA 200.7	5
DBCP	EPA 504	10
Electrical Conductivity (EC), Specific Conductance	SM 2510-B	4
Fluoride (F)	EPA 300.0	5
Hardness (Calculation from Ca+Mg)	SM 2340-B	5
Haloacetic Acids (HAA5)	SM6250	5
Iron (Fe)	SM 3120-B/EPA 200.7	5
Lead (Pb)	EPA 200.8	15
MTBE	EPA 524	15
Magnesium (Mg)	SM 3120-B/EPA 200.7	5
Manganese (Mn)	SM 3120-B/EPA 200.7	5
Mercury (Hg)	EPA 7470 or 7471	15
Molybdenum (Mo)	SM 3120-B/EPA 200.7	5
Nickel (Ni)	SM 3120-B/EPA 200.7	5
Nitrogen: Ammonia (NH ₄ -N)	SM 4500-NH ₃ H	10
Un-ionized (NH ₃ -N) (calc: pH, FieldTemp)	calc	10
Nitrate (NO ₃ -N)	SM 4500-NO ₃ F	5
Nitrite (NO ₂ -N)	SM 4500-NO ₂ B/EPA 300.0	5
Organic (Org N) (TKN + NH ₄ -N)	calc	10
Kjeldahl (TKN)	SM 4500-NH ₃ C	10
Total N (NO ₃ -N + TKN)	calc	10
Odor, Threshold	SM 2150-B	3
Oil & Grease	EPA 1664	10
Oxygen, Dissolved (DO)	SM 4500-O B	10
Oxygen Demand, Biochemical (BOD5)	SM 5210-B	7
Oxygen Demand, Chemical (COD)	SM 5220-C	7
pH value	SM 4500-H B	4
Perchlorate	EPA 314.0	12
Phosphorus: Ortho (PO ₄ -P)	EPA 300.0	5
Total (%P, digested)	SM 4500P-F	7
Potassium (K)	SM 3120-B/EPA 200.7	5

INDIVIDUAL WATER ANALYSIS (continued)

	<i>Method</i>	<i>Work Days</i>
<u>Individual Water Analysis (continued):</u>		
Residue: Identification		15
Selenium (Se)	EPA 200.8	15
Sheathed Bacteria		15
Silica (Total) (SiO ₂)	SM 3120-B/EPA 200.7	5
Silver (Ag)	SM 3120-B/EPA 200.7	5
Sodium (Na)	SM 3120-B/EPA 200.7	5
Solids: Total (Total Solids)	SM 2540-B	7
Total Filterable (Total Dissolved Solids)	SM 2540-C	7
Volatile Dissolved Solids (VDS)	SM 2540-E	9
Fixed Dissolved Solids (FDS)	SM 2540-E	9
Total Nonfilterable (Total Suspended Solids)	SM 2540-D	7
Settleable Matter (Settleable Solids)	SM 2540-F	5
Sulfate (SO ₄)	EPA 300.0	5
Sulfide Hydrogen (H ₂ S)		
Sulfide (Total)		
Sulfur (S)	SM 3120-B/EPA 200.7	5
Surfactants (MBAS)	SM 5540-C	5
Thallium (Tl)	EPA 200.8	15
Trihalometehanes, Total (TTHM)	EPA551	10
Turbidity	SM 2130-B	3
Vanadium (V)	EPA 200.8	15
Zinc (Zn)	SM 3120-B/EPA 200.7	5