SECTION 2.0

TABLES

TABLE 2-1
WATER WELLS WITHIN ONE MILE OF
THE GREGORY CANYON LANDFILL

CONFIDENTIAL (NOT FOR PUBLIC DISTRIBUTION)

TABLE 2-2
SUMMARY OF PUMPING TEST RESULTS
GREGORY CANYON LANDFILL

	Well	Distance From Pumping Well (feet)	Aquifer Thickness (feet)	Analytical Method	Data Points	Hydraulic Conductivity (ft/min)	Transmissivity (ft^2/min)	Storativity
Pump Test #1	GLA-3	1	60	Cooper-Jacob, unconfined	late	4.62E-03	2.77E-01	na
		1	na	Cooper-Jacob, confined	late	4.09E-03	2.45E-01	8.87E-08
		1	60	Theis, unconfined	late	2.69E-03	1.61E-01	na
	GMW-1	51	52	Cooper-Jacob, unconfined	late	4.59E-03	2.38E-01	na
		51	na	Cooper-Jacob, confined	late	4.35E-03	2.26E-01	1.28E-04
		51	na	Theis, unconfined	late	4.23E-03	2.20E-01	na
	GLA-13	200	14.5	Cooper-Jacob, unconfined	late	1.33E-02	1.92E-01	na
		200	na	Cooper-Jacob, confined	late	na	1.90E-01	na
		200	14.5	Theis, unconfined	late	1.05E-02	1.52E-01	na
	GLA-3/GMW-1	1, 51	60	Distance-Drawdown, unconfined	t = 1600	3.18E-03	1.91E-01	na
	GLA-3/GLA13	1, 200	60	Distance-Drawdown, unconfined	t = 1600	2.55E-03	1.53E-01	na
	GMW-1/GLA-13	51, 200	52	Distance-Drawdown, unconfined	t = 1600	1.89E-03	9.84E-02	na
	GLA-3, GMW-1, GLA-13	1, 51, 200	60	Distance-Drawdown, unconfined	t = 1600	2.63E-03	1.58E-01	na
Pump Test #2	GLA-8	1	108	Cooper-Jacob, unconfined	late	1.18E-05	1.28E-03	na
		1	na	Cooper-Jacob, confined	late	na	8.68E-04	4.08E-01
		1	108	Cooper-Jacob, unconfined	middle*	6.22E-05	6.72E-03	9.37E-04
		1	na	Cooper-Jacob, confined	middle	na	5.90E-03	7.63E-03
		1	108	Theis, unconfined	mid-late	6.22E-05	6.72E-03	na
	GMW-4	21	46	Cooper-Jacob, unconfined	late	2.06E-04	9.47E-03	na
		21	na	Cooper-Jacob, confined	late	na	8.84E-03	1.00E-03
		21	46	Cooper-Jacob, unconfined	middle	3.41E-04	1.56E-02	na
		21	na	Cooper-Jacob, confined	middle	na	1.62E-02	9.37E-02
		21	46	Theis, unconfined	late	1.46E-04	6.72E-03	na
	GLA-8/GMW-4	1,21	na	Distance-Drawdown, unconfined	t = 600	1.09E-04	1.18E-02	na
	GLA-8/GMW-4	1,21	na	Distance-Drawdown, unconfined	t = 1400	5.72E-05	6.18E-03	na

* Middle data points correspond to early pumping times referred to in text.

Shading indicates values around for MODFLOW analysis.

TABLE 2-3
PROPOSED GREGORY CANYON LANDFILL
DOWNGRADIENT VS. UPGRADIENT MONITORING POINTS
AUGUST 1999

ANALYTE	DOWNGRADIENT LOCATIONS						UPGRADIENT LOCATIONS		SURFACE WATER	
	RES. WELL 2	RES. WELL 3	RES. WELL 4	GLA-2	GLA-7	GLA-10	GLA-4	GLA-5	RIVER UP	RIVER DOWN
GENERAL CHEMISTRY (mg/L):										
Chloride	74	78	91	164	120	120	46	157	86	96
Nitrate (as N)	0.3	**0.077**	0.7	26.2	0.6	7.1	1.0	16.6	**0.098**	0.3
pH (units)	6.98	7.01	6.80	7.10	6.53	6.70	6.42	6.66	7.08	7.40
Sulfate	115	150	168	136	76	63	30	309	84	171
Total Dissolved Solids (TDS)	506	558	671	888	578	608	444	992	585	622
VOLATILE ORGANIC COMPOUNDS (µg/L):										
Acetone	3.0	3.0	**4.9***	**3.0***	3.0	3.0	3.0	3.0	**4.8***	3.0
Chloroform	0.16	0.16	1.2	0.16	0.16	0.16	0.16	0.16	0.16	0.16
p+m-Xylenes	0.30	0.30	0.30	**0.69**	0.30	0.30	0.30	0.30	0.30	0.30
Toluene	0.11	0.11	0.11	**0.52**	0.11	0.11	0.11	0.11	0.11	0.11

NOTES:

Indicates that the analyte was not detected above laboratory practical quantitation limit.
Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

* Suspected laboratory/field contaminant.

TABLE 2-4
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL GLA-2

ANALYTE	UNITS	Aug 1999	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY											
Chloride	mg/L	164	369	450	529	600	450	422	168	164	600
Cyanide	mg/L	NA	0.0063	0.0063	0.0063	0.0006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	26.2	41.8	42.9	42.9	43	42.9	39.4	7.4	26.2	43
pH	units	7.10	7.39	7.37	7.34	7.9	7.37	7.42	0.29	7.10	7.9
Sulfate	mg/L	136	160	150	160	190	160	159	20	136	190
Sulfide	mg/L	NA	0.050	0.050	0.050	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	888	1400	1410	1620	1940	1410	1452	384	888	1940
METALS											
Antimony	mg/L	NA	**0.010**	0.008	0.008	0.00012	NC	NC	NC	NC	NC
Arsenic	mg/L	NA	**0.001**	0.0007	0.0007	**0.0019**	NC	NC	NC	NC	NC
Barium	mg/L	NA	**0.053**	0.0009	0.066	**0.066**	0.07	0.06	0.01	0.053	0.066
Beryllium	mg/L	NA	0.00032	0.00032	0.00032	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	NA	0.004	0.004	0.004	**0.00031**	NC	NC	NC	NC	NC
Calcium	mg/L	NA	120	160	170	180	165	158	26	120	180
Chromium	mg/L	NA	0.004	0.004	0.004	**0.0031**	NC	NC	NC	NC	NC
Cobalt	mg/L	NA	0.002	0.002	0.002	**0.00085**	NC	NC	NC	NC	NC
Copper	mg/L	NA	**0.005**	0.003	0.003	**0.0061**	NC	NC	NC	NC	NC
Lead	mg/L	NA	**0.0004**	**0.0005**	0.004	0.000098	NC	NC	NC	NC	NC
Magnesium	mg/L	NA	71	92	100	96	94	90	13	71	100
Mercury	mg/L	NA	0.00010	0.00010	**0.00013**	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	NA	0.003	0.003	0.003	**0.0066**	NC	NC	NC	NC	NC
Selenium	mg/L	NA	0.003	**0.001**	0.0006	0.012	0.003	0.005	0.006	0.001	0.012
Silver	mg/L	NA	**0.004**	0.003	**0.003**	**0.0018**	0.003	0.0029	0.0011	0.0018	0.004
Sodium	mg/L	NA	200	240	230	240	235	228	19	200	240
Thallium	mg/L	NA	0.020	0.0007	0.0007	0.000063	NC	NC	NC	NC	NC
Tin	mg/L	NA	NA	0.006	0.002	0.000083	NC	NC	NC	NC	NC
Vanadium	mg/L	NA	0.040	0.050	0.040	0.041	0.041	0.043	0.005	0.040	0.050
Zinc	mg/L	NA	0.0085	0.011	**0.0057**	0.022	0.0098	0.0118	0.0071	0.0057	0.022
VOLATILE ORGANIC COMPOUNDS											
Acetone	µg/L	**4.3**[a]	0.5	5.935	5.935	4.2	NC	NC	NC	NC	NC
p+m-Xylenes	µg/L	**0.69**	0.5	NA	NA	0.30	NC	NC	NC	NC	NC
Toluene	µg/L	**0.52**	0.5	0.047	0.047	0.22	NC	NC	NC	NC	NC
Trichlorofluoromethane	µg/L	0.35	0.5	0.13	0.044	0.23	NC	NC	NC	NC	NC
SEMI-VOLATILE ORGANIC COMPOUNDS											
bis(2-Ethylhexyl) Phthalate	µg/L	NA	**1.8**[a]	0.33	NA	2.0	NC	NC	NC	NC	NC
Butylbenzyl Phthalate	µg/L	NA	**0.28**[a]	0.24	NA	2.1	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND											

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit.
Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

[a] Suspected laboratory/field contaminant.

TABLE 2-5
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL GLA-4

ANALYTE	UNITS	Aug 1999	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY											
Chloride	mg/L	46	68	75	78	78	75	69	13	46	78
Cyanide	mg/L	NA	0.0063	0.0063	0.0063	0.0006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	1.0	1.61	1.50	1.48	1.6	1.50	1.44	0.25	1.0	1.61
pH	units	6.42	7.21	7.22	7.03	7.1	7.1	7.0	0.33	6.42	7.22
Sulfate	mg/L	30	39	38	35	42	38	37	5	30	42
Sulfide	mg/L	NA	0.050	0.050	0.050	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	444	477	453	490	480	477	469	19	444	490
METALS											
Antimony	mg/L	NA	**0.020**	0.008	0.008	**0.00013**	NC	NC	NC	NC	NC
Arsenic	mg/L	NA	0.0007	**0.0009**	0.0007	**0.0012**	NC	NC	NC	NC	NC
Barium	mg/L	NA	**0.030**	0.0009	0.030	**0.028**	0.030	0.029	0.001	0.028	0.030
Beryllium	mg/L	NA	0.00032	0.00032	0.00032	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	NA	0.0004	0.004	0.004	**0.00020**	NC	NC	NC	NC	NC
Calcium	mg/L	NA	58	72	72	71	72	68	7	58	72
Chromium	mg/L	NA	0.0004	0.004	0.004	**0.0071**	NC	NC	NC	NC	NC
Cobalt	mg/L	NA	0.002	0.002	0.002	**0.00044**	NC	NC	NC	NC	NC
Copper	mg/L	NA	**0.008**	0.003	**0.004**	**0.0055**	0.0055	0.0058	0.002	0.004	0.008
Lead	mg/L	NA	**0.0004**	0.0004	0.0004	**0.00019**	NC	NC	NC	NC	NC
Magnesium	mg/L	NA	21	23	22	20	22	22	1	20	23
Mercury	mg/L	NA	0.00010	0.00010	0.00010	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	NA	0.003	0.003	0.020	**0.0047**	NC	NC	NC	NC	NC
Selenium	mg/L	NA	0.0006	**0.0006**	0.0006	**0.0022**	NC	NC	NC	NC	NC
Silver	mg/L	NA	**0.004**	0.003	0.003	0.000098	NC	NC	NC	NC	NC
Sodium	mg/L	NA	68	79	74	77	76	75	5	68	79
Thallium	mg/L	NA	0.020	0.0007	0.0007	0.000063	NC	NC	NC	NC	NC
Tin	mg/L	NA	NA	0.006	0.002	0.000083	NC	NC	NC	NC	NC
Vanadium	mg/L	NA	0.010	0.003	**0.007**	**0.0066**	0.007	0.0079	0.0019	0.0066	0.010
Zinc	mg/L	NA	**0.032**	0.460	0.450	1.200	0.455	0.536	0.486	0.032	1.200
VOLATILE ORGANIC COMPOUNDS											
1,2,4-Trimethylbenzene	µg/L	0.21	0.5	0.078	0.52	NA	NC	NC	NC	NC	NC
1,3,5-Trimethylbenzene	µg/L	0.24	0.5	0.066	**0.21**	NA	NC	NC	NC	NC	NC
Benzene	µg/L	0.25	0.5	0.044	**0.11**	0.18	NC	NC	NC	NC	NC
Ethylbenzene	µg/L	0.17	0.5	0.057	**0.41**	0.18	NC	NC	NC	NC	NC
n-Propylbenzene	µg/L	0.25	0.5	0.053	**0.12**	NA	NC	NC	NC	NC	NC
Naphthalene	µg/L	0.57	0.5	0.094	**0.26**	0.42	NC	NC	NC	NC	NC
tert-Butylbenzene	µg/L	0.16	0.5	0.066	**0.08**	NA	NC	NC	NC	NC	NC
Toluene	µg/L	0.11	0.5	0.047	1.4[a]	0.22	NC	NC	NC	NC	NC
Xylenes (Total)	µg/L	NA	1.0	0.236	2.7	NA	NC	NC	NC	NC	NC
SEMI-VOLATILE ORGANIC COMPOUNDS											
Benzoic Acid	µg/L	NA	0.86	0.86	**2.6**	NA	NC	NC	NC	NC	NC
bis(2-Ethylhexyl) Phthalate	µg/L	NA	**2.4[a]**	0.34	**1.1[a]**	2.0	NC	NC	NC	NC	NC
Butylbenzyl Phthalate	µg/L	NA	0.25	0.25	**0.44[a]**	2.1	NC	NC	NC	NC	NC
Di-n-butyl Phthalate	µg/L	NA	0.25	0.25	**0.36[a]**	2.6	NC	NC	NC	NC	NC
Naphthalene	µg/L	NA	0.25	0.25	**0.29[a]**	3.5	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND											

NOTES:

NA = Not Analyzed/Not Applicable

[ ] Indicates that the analyte was not detected above laboratory practical quantitation limit.

Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

[NC] No calculation performed. Requires a minimum of three data entries.

[a] Suspected laboratory/field contaminant.

TABLE 2-6
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL GLA-5

ANALYTE	UNITS	Aug 1999	Dec 2000	Mar 2001	Jun 2001	Sep 2001	Sep 2001	Dec 2001
GENERAL CHEMISTRY								
Chloride	mg/L	157	156	163	NA	150	150	147
Cyanide	mg/L	NA	0.0063	0.0063	NA	0.0006	0.0006	0.02
Nitrate/Nitrite	mg/L	16.6	18.6	18.8	NA	21	21	NA
Nitrate as Nitrogen	mg/L	NA	NA	NA	NA	NA	NA	1.94
pH	units	6.66	7.09	7.28	NA	6.70	6.7	6.3
Sulfate	mg/L	309	313	317	NA	350	350	203
Sulfide	mg/L	NA	0.050	0.050	NA	0.1	0.1	0.1
Total Dissolved Solids (TDS)	mg/L	992	1030	1000	NA	1120	1130	1650
METALS								
Antimony	mg/L	NA	**0.010**	0.008	NA	0.00012	0.00012	0.01
Arsenic	mg/L	NA	0.0007	0.0007	NA	0.00030	0.00030	0.005
Barium	mg/L	NA	0.150	0.180	NA	0.170	0.170	0.005
Beryllium	mg/L	NA	0.00032	0.00032	NA	0.00042	0.00042	0.002
Cadmium	mg/L	NA	0.004	0.004	NA	0.00012	0.00012	0.04
Calcium	mg/L	NA	93	110	NA	110	100	19.1
Chromium	mg/L	NA	0.004	0.004	NA	**0.0022**	**0.0032**	0.02
Cobalt	mg/L	NA	0.002	0.002	NA	**0.00052**	**0.00051**	NA
Copper	mg/L	NA	0.003	0.003	NA	**0.0022**	**0.0024**	0.005
Lead	mg/L	NA	0.0004	0.0004	NA	**0.00070**	**0.00140**	0.002
Magnesium	mg/L	NA	56	66	NA	58	57	74
Mercury	mg/L	NA	0.00010	0.00010	NA	0.00043	0.00043	0.001
Nickel	mg/L	NA	0.003	0.003	NA	**0.0038**	**0.0039**	0.04
Selenium	mg/L	NA	0.0006	**0.0007**	NA	**0.0016**	**0.0017**	0.005
Silver	mg/L	NA	**0.003**	0.003	NA	**0.00013**	**0.00010**	0.005
Sodium	mg/L	NA	100	120	NA	140	130	165
Thallium	mg/L	NA	0.020	0.0007	NA	0.00063	0.000063	0.01
Tin	mg/L	NA	NA	0.006	NA	0.00083	0.000083	0.05
Vanadium	mg/L	NA	0.020	0.020	NA	0.038	0.038	0.05
Zinc	mg/L	NA	**0.018**	0.089	NA	0.022	0.028	0.01
VOLATILE ORGANIC COMPOUNDS								
Carbon Disulfide	µg/L	0.54	0.5	0.266	0.266	**0.31**[a]	**0.28**[a]	NA
SEMI-VOLATILE ORGANIC COMPOUNDS								
bis(2-Ethylhexyl) Phthalate	µg/L	NA	**1.8**[a]	0.34	NA	2.0	2.0	0.83
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND								

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit.
Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

TABLE 2-6 (CONT'D)
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL GLA-5

ANALYTE	UNITS	Dec 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY							
Chloride	mg/L	150	150	153	6	147	163
Cyanide	mg/L	0.02	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	NA	18.8	19.2	1.9	16.6	21
Nitrate as Nitrogen	mg/L	1.76	NC	NC	NC	NC	NC
pH	units	NA	6.70	6.79	0.35	6.3	7.28
Sulfate	mg/L	179	313	289	69	179	350
Sulfide	mg/L	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	1575	1120	1214	278	992	1650
METALS							
Antimony	mg/L	NA	NC	NC	NC	NC	NC
Arsenic	mg/L	NA	NC	NC	NC	NC	NC
Barium	mg/L	NA	0.170	0.168	0.013	0.150	0.180
Beryllium	mg/L	NA	NC	NC	NC	NC	NC
Cadmium	mg/L	NA	NC	NC	NC	NC	NC
Calcium	mg/L	17.0	97	75	44	17	110
Chromium	mg/L	NA	NC	NC	NC	NC	NC
Cobalt	mg/L	NA	NC	NC	NC	NC	NC
Copper	mg/L	NA	NC	NC	NC	NC	NC
Lead	mg/L	NA	NC	NC	NC	NC	NC
Magnesium	mg/L	68	62	63	7	56	74
Mercury	mg/L	NA	NC	NC	NC	NC	NC
Nickel	mg/L	NA	NC	NC	NC	NC	NC
Selenium	mg/L	NA	0.0016	0.0013	0.0006	0.0007	0.0017
Silver	mg/L	NA	0.0001	0.0011	0.0017	0.000098	0.0030
Sodium	mg/L	158	135	136	24	100	165
Thallium	mg/L	NA	NC	NC	NC	NC	NC
Tin	mg/L	NA	NC	NC	NC	NC	NC
Vanadium	mg/L	NA	0.029	0.029	0.010	0.020	0.038
Zinc	mg/L	NA	0.025	0.039	0.033	0.018	0.089
VOLATILE ORGANIC COMPOUNDS							
Carbon Disulfide	µg/L	NA	NC	NC	NC	NC	NC
SEMI-VOLATILE ORGANIC COMPOUNDS							
bis(2-Ethylhexyl) Phthalate	µg/L	NA	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND							

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit. Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

[a] Suspected laboratory/field contaminant.

TABLE 2-7
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL GLA-10

ANALYTE	UNITS	Aug 1999	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY											
Chloride	mg/L	120	142	151	144	140	142	139	12	120	151
Cyanide	mg/L	NA	0.0063	0.0063	0.0063	0.00006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	7.1	6.34	6.59	6.17	5.4	6.34	6.32	0.62	5.4	7.1
pH	units	6.70	7.35	7.30	7.18	7.4	7.30	7.19	0.28	6.70	7.4
Sulfate	mg/L	63	61	62	60	60	61	61	1	60	63
Sulfide	mg/L	NA	0.050	0.050	0.050	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	608	637	587	590	1250	608	734	289	587	1250
METALS											
Antimony	mg/L	NA	**0.009**	0.008	**0.009**	0.00012	NC	NC	NC	NC	NC
Arsenic	mg/L	NA	0.0007	0.0007	0.0007	0.00030	NC	NC	NC	NC	NC
Barium	mg/L	NA	**0.061**	0.0009	0.064	**0.061**	0.061	0.062	0.002	0.061	0.064
Beryllium	mg/L	NA	0.00032	0.00032	0.00032	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	NA	0.004	0.004	0.004	0.00012	NC	NC	NC	NC	NC
Calcium	mg/L	NA	57	68	62	63	63	63	5	57	68
Chromium	mg/L	NA	**0.004**	0.004	0.004	**0.0030**	NC	NC	NC	NC	NC
Cobalt	mg/L	NA	0.002	0.002	0.002	**0.00040**	NC	NC	NC	NC	NC
Copper	mg/L	NA	**0.009**	0.003	0.003	**0.0020**	NC	NC	NC	NC	NC
Lead	mg/L	NA	**0.0006**	0.0004	0.0004	**0.00029**	NC	NC	NC	NC	NC
Magnesium	mg/L	NA	32	39	36	33	35	35	3	32	39
Mercury	mg/L	NA	0.00010	0.00010	0.00010	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	NA	**0.004**	0.003	0.003	**0.0033**	NC	NC	NC	NC	NC
Selenium	mg/L	NA	0.0006	0.0006	0.0006	**0.0024**	NC	NC	NC	NC	NC
Silver	mg/L	NA	**0.005**	0.003	0.003	0.000098	NC	NC	NC	NC	NC
Sodium	mg/L	NA	82	98	88	91	90	90	7	82	98
Thallium	mg/L	NA	0.020	0.0007	0.0007	0.000063	NC	NC	NC	NC	NC
Tin	mg/L	NA	NA	0.006	0.002	0.000083	NC	NC	NC	NC	NC
Vanadium	mg/L	NA	0.030	0.040	0.030	0.031	0.031	0.033	0.005	0.030	0.040
Zinc	mg/L	NA	**0.026**	0.270	0.072	0.700	0.171	0.267	0.307	0.026	0.700
VOLATILE ORGANIC COMPOUNDS (µg/L)											
Carbon Disulfide	µg/L	0.54	0.5	0.266	0.266	5.5[a]	NC	NC	NC	NC	NC
Ethylbenzene	µg/L	0.17	0.5	0.057	**0.07**	0.18	NC	NC	NC	NC	NC
SEMI-VOLATILE ORGANIC COMPOUNDS											
bis(2-Ethylhexyl) Phthalate	µg/L	NA	**2.5[a]**	0.34	**0.59[a]**	2.0	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND											

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit.
Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

[a] Suspected laboratory/field contaminant.

TABLE 2-8
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL GLA-11

ANALYTE	UNITS	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY										
Chloride	mg/L	177	177	184	180	179	180	3	177	184
Cyanide	mg/L	0.0063	0.0063	0.0063	0.0006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	0.020	0.020	0.32	**0.17**	NC	NC	NC	NC	NC
pH	units	7.61	7.74	7.60	7.4	7.61	7.59	0.14	7.4	7.74
Sulfate	mg/L	82	78	85	94	84	85	7	78	94
Sulfide	mg/L	0.050	0.050	0.050	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	763	733	750	750	750	749	12	733	763
METALS										
Antimony	mg/L	0.008	0.008	0.008	**0.00026**	NC	NC	NC	NC	NC
Arsenic	mg/L	0.004	0.006	0.004	0.004	0.004	0.005	0.001	0.004	0.006
Barium	mg/L	**0.002**	0.0009	**0.0060**	**0.0039**	0.00	0.00	0.00	0.002	0.006
Beryllium	mg/L	0.0003	0.0003	0.0003	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	0.004	0.004	0.004	0.00012	NC	NC	NC	NC	NC
Calcium	mg/L	90	100	98	93	96	95	5	90	100
Chromium	mg/L	0.004	0.004	0.004	**0.0087**	NC	NC	NC	NC	NC
Cobalt	mg/L	0.002	0.002	0.002	**0.00045**	NC	NC	NC	NC	NC
Copper	mg/L	**0.004**	0.003	0.003	**0.0039**	NC	NC	NC	NC	NC
Lead	mg/L	**0.0007**	0.0004	0.0004	0.019	NC	NC	NC	NC	NC
Magnesium	mg/L	27	32	32	31	32	31	2	27	32
Mercury	mg/L	0.00010	0.00010	0.00010	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	**0.004**	0.003	0.020	0.013	0.013	0.012	0.008	0.004	0.020
Selenium	mg/L	0.003	0.0006	0.0006	**0.0015**	NC	NC	NC	NC	NC
Silver	mg/L	0.003	0.003	0.003	0.000098	NC	NC	NC	NC	NC
Sodium	mg/L	91	100	110	120	105	105	13	91	120
Thallium	mg/L	**0.030**	0.0007	0.0007	0.000063	NC	NC	NC	NC	NC
Tin	mg/L	NA	0.006	0.006	0.000083	NC	NC	NC	NC	NC
Vanadium	mg/L	0.003	0.003	**0.0060**	**0.0050**	NC	NC	NC	NC	NC
Zinc	mg/L	**0.0091**	0.00089	0.013	0.024	0.013	0.015	0.008	0.009	0.024
VOLATILE ORGANIC COMPOUNDS										
Carbon Disulfide	µg/L	0.5	0.266	0.266	**0.37**[a]	NC	NC	NC	NC	NC
Ethylbenzene	µg/L	0.5	0.057	**0.09**	0.18	NC	NC	NC	NC	NC
Toluene	µg/L	0.5	**0.13**[a]	**0.25**[a]	0.22	NC	NC	NC	NC	NC
SEMI-VOLATILE ORGANIC COMPOUNDS										
bis(2-Ethylhexyl) Phthalate	µg/L	0.33	6.6[a]	**4.2**[a]	2.0	NC	NC	NC	NC	NC
Butylbenzyl Phthalate	µg/L	0.25	0.25	**0.40**[a]	2.1	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND										

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit.
Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

[a] Suspected laboratory/field contaminant.

TABLE 2-9
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL GLA-12

ANALYTE	UNITS	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY										
Chloride	mg/L	115	117	119	120	118	118	2	115	120
Cyanide	mg/L	0.0063	0.0063	0.0063	0.0006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	0.24	0.28	0.28	**0.1**	0.26	0.23	0.09	0.1	0.28
pH	units	7.38	7.42	7.16	6.9	7.27	7.22	0.24	6.9	7.42
Sulfate	mg/L	38	39	38	46	39	40	4	38	46
Sulfide	mg/L	0.050	0.050	0.050	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	517	490	520	510	514	509	14	490	520
METALS										
Antimony	mg/L	**0.020**	0.008	0.008	0.00012	NC	NC	NC	NC	NC
Arsenic	mg/L	0.0007	0.0007	0.0007	**0.00045**	NC	NC	NC	NC	NC
Barium	mg/L	**0.020**	0.0009	0.020	**0.017**	0.020	0.019	0.002	0.017	0.020
Beryllium	mg/L	0.0003	0.0003	0.0003	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	0.004	0.004	0.004	0.00012	NC	NC	NC	NC	NC
Calcium	mg/L	42	47	49	48	48	47	3	42	49
Chromium	mg/L	**0.005**	0.004	0.004	**0.0036**	NC	NC	NC	NC	NC
Cobalt	mg/L	0.002	0.002	0.002	**0.00027**	NC	NC	NC	NC	NC
Copper	mg/L	**0.008**	0.003	0.003	**0.0052**	NC	NC	NC	NC	NC
Lead	mg/L	**0.002**	0.0004	0.0004	**0.00010**	NC	NC	NC	NC	NC
Magnesium	mg/L	26	29	30	27	28	28	2	26	30
Mercury	mg/L	0.00010	0.00010	0.00010	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	**0.004**	0.003	0.003	**0.0025**	NC	NC	NC	NC	NC
Selenium	mg/L	0.0006	**0.0007**	0.0006	**0.0023**	NC	NC	NC	NC	NC
Silver	mg/L	**0.006**	0.003	0.003	0.000098	NC	NC	NC	NC	NC
Sodium	mg/L	74	86	88	86	86	84	6	74	88
Thallium	mg/L	0.020	0.0007	0.0007	0.000063	NC	NC	NC	NC	NC
Tin	mg/L	NA	0.006	0.006	0.000083	NC	NC	NC	NC	NC
Vanadium	mg/L	0.030	0.030	0.030	0.028	0.030	0.030	0.001	0.028	0.030
Zinc	mg/L	**0.016**	0.00089	0.010	**0.0072**	0.010	0.011	0.004	0.007	0.016
VOLATILE ORGANIC COMPOUNDS										
Carbon Disulfide	µg/L	0.5	0.266	0.266	**0.3**[a]	NC	NC	NC	NC	NC
SEMI-VOLATILE ORGANIC COMPOUNDS										
bis(2-Ethylhexyl) Phthalate	µg/L	**0.35**[a]	0.33	**0.79**[a]	2.0	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND										

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit.
Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

[a] Suspected laboratory/field contaminant.

TABLE 2-10
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL GLA-13

ANALYTE	UNITS	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY										
Chloride	mg/L	127	290	269	260	265	237	74	127	290
Cyanide	mg/L	0.0063	0.0063	0.0063	0.0006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	25.9	28.5	29.3	28	28.3	27.9	1.5	25.9	29.3
pH	units	7.49	7.24	7.19	6.7	7.22	7.16	0.33	6.7	7.49
Sulfate	mg/L	119	129	137	130	130	129	7	119	137
Sulfide	mg/L	0.050	0.050	0.050	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	885	1010	990	1120	1000	1001	96	885	1120
METALS										
Antimony	mg/L	0.008	0.008	**0.010**	0.00012	NC	NC	NC	NC	NC
Arsenic	mg/L	0.002	0.0007	0.0007	**0.00098**	NC	NC	NC	NC	NC
Barium	mg/L	**0.020**	0.0009	0.079	**0.073**	0.073	0.057	0.032	0.020	0.079
Beryllium	mg/L	0.0003	0.0003	0.0003	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	0.004	0.004	0.004	0.00012	NC	NC	NC	NC	NC
Calcium	mg/L	67	100	100	110	100	94	19	67	110
Chromium	mg/L	0.004	0.004	0.004	**0.0056**	NC	NC	NC	NC	NC
Cobalt	mg/L	0.002	0.002	0.002	**0.00055**	NC	NC	NC	NC	NC
Copper	mg/L	0.003	0.003	0.003	**0.0028**	NC	NC	NC	NC	NC
Lead	mg/L	**0.0006**	**0.0004**	0.00040	#######	NC	NC	NC	NC	NC
Magnesium	mg/L	39	65	65	62	64	58	13	39	65
Mercury	mg/L	0.00010	0.00010	0.00010	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	0.003	0.003	**0.0030**	**0.0062**	NC	NC	NC	NC	NC
Selenium	mg/L	0.003	**0.0008**	0.0006	**0.0037**	NC	NC	NC	NC	NC
Silver	mg/L	0.003	0.003	0.003	#######	NC	NC	NC	NC	NC
Sodium	mg/L	110	130	130	140	130	128	13	110	140
Thallium	mg/L	0.020	0.0007	0.0007	#######	NC	NC	NC	NC	NC
Tin	mg/L	NA	0.006	0.006	#######	NC	NC	NC	NC	NC
Vanadium	mg/L	0.020	0.030	0.030	0.032	0.030	0.028	0.005	0.020	0.032
Zinc	mg/L	**0.021**	0.047	0.047	0.053	0.047	0.042	0.014	0.021	0.053
VOLATILE ORGANIC COMPOUNDS										
Carbon Disulfide	µg/L	0.5	0.266	0.266	**0.35**[a]	NC	NC	NC	NC	NC
SEMI-VOLATILE ORGANIC COMPOUNDS										
bis(2-Ethylhexyl) Phthalate	µg/L	**0.99**[a]	0.33	**0.67**[a]	2.0	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs										
2,4-D	µg/L	0.16	0.16	0.16	**0.17**	NC	NC	NC	NC	NC

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit.
Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

[a] Suspected laboratory/field contaminant.

TABLE 2-11
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL GLA-14

ANALYTE	UNITS	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY										
Chloride	mg/L	159	160	155	160	160	159	2	155	160
Cyanide	mg/L	0.0063	0.0063	0.0063	0.0006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	15.6	15.5	15.1	14	15.3	15.1	0.7	14	15.6
pH	units	7.47	7.56	7.29	6.8	7.38	7.28	0.34	6.8	7.56
Sulfate	mg/L	74	70	75	71	73	73	2	70	75
Sulfide	mg/L	0.050	0.050	0.25	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	697	667	667	730	682	690	30	667	730
METALS										
Antimony	mg/L	**0.010**	0.008	0.008	0.00012	NC	NC	NC	NC	NC
Arsenic	mg/L	0.0007	**0.0009**	0.0007	**0.0014**	NC	NC	NC	NC	NC
Barium	mg/L	**0.096**	0.120	0.130	0.110	0.12	0.11	0.01	0.096	0.13
Beryllium	mg/L	0.0003	0.0003	0.0003	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	0.004	0.004	0.004	0.00012	NC	NC	NC	NC	NC
Calcium	mg/L	69	82	75	73	74	75	5	69	82
Chromium	mg/L	0.004	0.004	0.004	**0.0038**	NC	NC	NC	NC	NC
Cobalt	mg/L	0.002	0.002	0.002	**0.00035**	NC	NC	NC	NC	NC
Copper	mg/L	**0.007**	0.003	0.003	**0.0014**	NC	NC	NC	NC	NC
Lead	mg/L	0.004	**0.0004**	0.004	0.000098	NC	NC	NC	NC	NC
Magnesium	mg/L	39	46	43	38	41	42	4	38	46
Mercury	mg/L	0.00010	0.00010	0.00010	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	0.003	0.003	**0.004**	**0.0067**	NC	NC	NC	NC	NC
Selenium	mg/L	0.0006	**0.0008**	0.0006	**0.0032**	NC	NC	NC	NC	NC
Silver	mg/L	0.003	0.003	0.003	0.000098	NC	NC	NC	NC	NC
Sodium	mg/L	84	100	92	94	93	93	7	84	100
Thallium	mg/L	0.020	0.0007	0.0007	0.000063	NC	NC	NC	NC	NC
Tin	mg/L	NA	0.006	**0.003**	0.000083	NC	NC	NC	NC	NC
Vanadium	mg/L	0.030	0.030	0.030	0.025	0.030	0.029	0.003	0.025	0.030
Zinc	mg/L	**0.012**	0.00089	**0.0092**	**0.0054**	0.0092	0.0089	0.0033	0.0054	0.012
VOLATILE ORGANIC COMPOUNDS										
Carbon Disulfide	µg/L	0.5	0.266	0.266	**0.31**[a]	NC	NC	NC	NC	NC
SEMI-VOLATILE ORGANIC COMPOUNDS										
bis(2-Ethylhexyl) Phthalate	µg/L	0.33	0.33	**1.2**[a]	2.0	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND										

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit.
Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

TABLE 2-12
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL GLA-16

ANALYTE	UNITS	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY										
Chloride	mg/L	105	104	109	110	107	107	3	104	110
Cyanide	mg/L	0.0063	0.0063	0.0063	0.0006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	6.24	5.90	6.60	7.1	6.42	6.46	0.51	5.90	7.1
pH	units	7.50	7.52	7.49	7.0	7.50	7.38	0.25	7.0	7.52
Sulfate	mg/L	109	98	108	120	109	109	9	98	120
Sulfide	mg/L	0.050	0.050	0.050	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	690	620	683	750	687	686	53	620	750
METALS										
Antimony	mg/L	**0.010**	0.008	0.008	0.00012	NC	NC	NC	NC	NC
Arsenic	mg/L	**0.001**	**0.002**	**0.001**	**0.0014**	0.0012	0.0014	0.0005	0.001	0.002
Barium	mg/L	**0.061**	0.0009	0.081	**0.075**	0.08	0.07	0.01	0.061	0.081
Beryllium	mg/L	0.0003	0.0003	0.0003	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	0.004	0.004	0.004	0.00012	NC	NC	NC	NC	NC
Calcium	mg/L	76	77	85	82	80	80	4	76	85
Chromium	mg/L	**0.0050**	0.004	0.004	**0.0088**	NC	NC	NC	NC	NC
Cobalt	mg/L	0.002	0.002	0.002	**0.00039**	NC	NC	NC	NC	NC
Copper	mg/L	**0.0040**	0.003	0.003	**0.0012**	NC	NC	NC	NC	NC
Lead	mg/L	**0.0005**	**0.0005**	0.00040	0.000098	NC	NC	NC	NC	NC
Magnesium	mg/L	36	37	41	36	37	38	2	36	41
Mercury	mg/L	0.00010	0.00010	0.00010	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	0.003	0.003	0.003	**0.0029**	NC	NC	NC	NC	NC
Selenium	mg/L	0.003	**0.0006**	0.0006	**0.0018**	NC	NC	NC	NC	NC
Silver	mg/L	0.003	0.003	0.003	0.000098	NC	NC	NC	NC	NC
Sodium	mg/L	72	74	81	80	77	77	4	72	81
Thallium	mg/L	**0.020**	0.0007	0.0007	0.000063	NC	NC	NC	NC	NC
Tin	mg/L	NA	0.006	0.006	0.000083	NC	NC	NC	NC	NC
Vanadium	mg/L	0.030	0.030	0.030	0.029	0.030	0.030	0.001	0.029	0.030
Zinc	mg/L	**0.0073**	0.00089	**0.0012**	**0.0044**	0.0044	0.0043	0.0031	0.0012	0.0073
VOLATILE ORGANIC COMPOUNDS										
Carbon Disulfide	µg/L	0.5	0.266	0.266	**0.32**[a]	NC	NC	NC	NC	NC
SEMI-VOLATILE ORGANIC COMPOUNDS										
Acenaphthene	µg/L	0.23	**0.31**	0.36	2.9	NC	NC	NC	NC	NC
bis(2-Ethylhexyl) Phthalate	µg/L	0.33	0.33	**0.81**[a]	2.0	NC	NC	NC	NC	NC
Hexachlorobenzene	µg/L	0.27	**0.67**	0.27	2.4	NC	NC	NC	NC	NC
Pyrene	µg/L	0.23	**0.60**	0.23	1.7	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs										
beta-BHC	µg/L	0.0076	0.0011	0.0011	0.01	NC	NC	NC	NC	NC

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit.

Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

TABLE 2-13
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL LUCIO-2

ANALYTE	UNITS	Aug 1999	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY											
Chloride	mg/L	91	94	91	103	100	94	96	5	91	103
Cyanide	mg/L	NA	0.0063	0.0063	0.0063	0.0006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	0.7	0.42	1.40	0.57	1.0	0.7	0.82	0.39	0.42	1.40
pH	units	6.80	7.35	7.51	7.35	7.2	7.35	7.24	0.27	6.80	7.51
Sulfate	mg/L	168	147	134	159	160	159	154	13	134	168
Sulfide	mg/L	NA	0.050	0.050	0.050	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	671	657	610	667	680	667	657	28	610	680
METALS											
Antimony	mg/L	NA	0.008	0.008	0.008	0.00012	NC	NC	NC	NC	NC
Arsenic	mg/L	NA	0.007	**0.001**	0.0007	**0.00066**	NC	NC	NC	NC	NC
Barium	mg/L	NA	0.110	0.120	0.110	0.100	0.110	0.110	0.008	0.100	0.120
Beryllium	mg/L	NA	0.0003	0.0003	0.0003	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	NA	0.004	0.004	0.004	0.00012	NC	NC	NC	NC	NC
Calcium	mg/L	NA	86	98	94	97	96	94	5	86	98
Chromium	mg/L	NA	0.004	0.004	**0.0040**	0.00012	NC	NC	NC	NC	NC
Cobalt	mg/L	NA	0.002	0.002	0.002	**0.00059**	NC	NC	NC	NC	NC
Copper	mg/L	NA	**0.007**	0.003	**0.006**	**0.0057**	0.006	0.0062	0.0007	0.0057	0.007
Lead	mg/L	NA	**0.0007**	**0.0006**	**0.0007**	0.000098	0.0007	0.0007	0.0001	0.0006	0.0007
Magnesium	mg/L	NA	30	35	34	32	33	33	2	30	35
Mercury	mg/L	NA	0.00010	0.00010	0.00010	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	NA	0.003	0.003	0.003	**0.0038**	NC	NC	NC	NC	NC
Selenium	mg/L	NA	0.0006	**0.0006**	0.0006	**0.0018**	NC	NC	NC	NC	NC
Silver	mg/L	NA	0.003	0.003	**0.005**	0.000098	NC	NC	NC	NC	NC
Sodium	mg/L	NA	60	68	67	72	68	67	5	60	72
Thallium	mg/L	NA	0.020	0.0007	0.0007	0.000063	NC	NC	NC	NC	NC
Tin	mg/L	NA	NA	0.006	0.006	0.000083	NC	NC	NC	NC	NC
Vanadium	mg/L	NA	0.010	0.010	0.010	0.014	0.010	0.011	0.002	0.010	0.014
Zinc	mg/L	NA	**0.021**	0.0009	**0.0090**	**0.0085**	0.0090	0.0128	0.0071	0.0085	0.021
VOLATILE ORGANIC COMPOUNDS											
Acetone	µg/L	**4.9**[a]	0.5	5.935	5.935	4.2	NC	NC	NC	NC	NC
Chloroform	µg/L	1.2	0.98	0.164	0.164	0.28	NC	NC	NC	NC	NC
SEMI-VOLATILE ORGANIC COMPOUNDS											
bis(2-Ethylhexyl) Phthalate	µg/L	NA	0.33	0.33	**0.62**[a]	2.0	NC	NC	NC	NC	NC
Hexachlorobutadiene	µg/L	NA	**0.64**	0.36	0.36	3.6	NC	NC	NC	NC	NC
Pyrene	µg/L	NA	**0.27**	0.23	0.23	1.7	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND											

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit.
Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

[a] Suspected laboratory/field contaminant.

TABLE 2-14
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - MONITORING WELL MWD-34

ANALYTE	UNITS	Aug 1999	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY											
Chloride	mg/L	78	75	81	78	78	78	78	2	75	81
Cyanide	mg/L	NA	0.0063	0.0063	0.0063	0.0006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	**0.077**	0.020	0.020	0.020	**0.04**	NC	NC	NC	NC	NC
pH	units	7.01	7.64	7.69	7.66	6.3	7.64	7.26	0.61	6.3	7.69
Sulfate	mg/L	150	144	144	140	140	144	144	4	140	150
Sulfide	mg/L	NA	0.050	0.050	0.050	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	558	547	543	560	580	558	558	14	543	580
METALS											
Antimony	mg/L	NA	0.008	0.008	0.008	**0.00013**	NC	NC	NC	NC	NC
Arsenic	mg/L	NA	0.007	**0.001**	0.0007	**0.00052**	NC	NC	NC	NC	NC
Barium	mg/L	NA	**0.100**	0.110	0.100	**0.091**	0.100	0.100	0.008	0.091	0.110
Beryllium	mg/L	NA	0.00032	0.00032	0.00030	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	NA	0.004	0.004	0.004	0.00012	NC	NC	NC	NC	NC
Calcium	mg/L	NA	74	86	79	81	80	80	5	74	86
Chromium	mg/L	NA	**0.004**	0.004	0.004	**0.00072**	NC	NC	NC	NC	NC
Cobalt	mg/L	NA	0.002	0.002	0.002	**0.00042**	NC	NC	NC	NC	NC
Copper	mg/L	NA	**0.006**	0.003	0.003	**0.0008**	NC	NC	NC	NC	NC
Lead	mg/L	NA	0.0004	**0.0005**	0.0004	0.000098	NC	NC	NC	NC	NC
Magnesium	mg/L	NA	26	30	28	27	28	28	2	26	30
Mercury	mg/L	NA	0.00010	0.00010	0.00100	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	NA	0.003	0.003	0.003	**0.0025**	NC	NC	NC	NC	NC
Selenium	mg/L	NA	0.0006	0.0006	0.0006	0.00093	NC	NC	NC	NC	NC
Silver	mg/L	NA	**0.004**	0.003	**0.004**	0.000098	NC	NC	NC	NC	NC
Sodium	mg/L	NA	58	66	61	65	63	63	4	58	66
Thallium	mg/L	NA	0.020	0.0007	0.0007	0.000063	NC	NC	NC	NC	NC
Tin	mg/L	NA	NA	0.006	**0.004**	0.000083	NC	NC	NC	NC	NC
Vanadium	mg/L	NA	0.003	0.003	0.003	**0.0023**	NC	NC	NC	NC	NC
Zinc	mg/L	NA	**0.014**	0.0009	**0.0028**	**0.0055**	0.0055	0.0074	0.0058	0.0028	0.014
VOLATILE ORGANIC COMPOUNDS (µg/L): ND											
SEMI-VOLATILE ORGANIC COMPOUNDS (µg/L): ND											
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND											

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit.

Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

TABLE 2-15
GREGORY CANYON LANDFILL
BEDROCK AQUIFER COMPARISON DATA
DOWNGRADIENT VS. UPGRADIENT MEDIAN

ANALYTE	DOWNGRADIENT LOCATIONS					UPGRADIENT LOCATIONS			ARARs	BASIN OBJECTIVES
	GLA-2 MEDIAN	GLA-10 MEDIAN	GLA-12 MEDIAN	GLA-13 MEDIAN	GLA-14 MEDIAN	GLA-4 MEDIAN	GLA-5 MEDIAN	GLA-11 MEDIAN		
GENERAL CHEMISTRY (mg/L):										
Chloride	450	142	118	265	160	75	150	179	500 **(2)	300
Cyanide	NC	NC	NC	NC	NC	NC	NC	NC	0.2 (1,3)	NV
Nitrate/Nitrite	42.9	6.34	0.26	28.3	15.3	1.50	18.8	NC	45 (1,3)	15
pH (units)	7.37	7.30	7.27	7.22	7.38	7.1	6.70	7.61	NV	NV
Sulfate	160	61	39	130	73	38	313	84	500 **(2)	500
Sulfide	NC	NC	NC	NC	NC	NC	NC	NC	NV	NV
Total Dissolved Solids (TDS)	1410	608	514	1000	682	477	1120	750	1000 **(2)	900
METALS (mg/L):										
Antimony	NC	NC	NC	NC	NC	NC	NC	NC	0.006 (1,3)	NV
Arsenic	NC	NC	NC	NC	NC	NC	NC	0.004	0.01 (1,3)	0.01
Barium	0.07	0.061	0.020	0.073	0.12	0.030	0.170	0.004	1(1) / 2(3)	1
Beryllium	NC	NC	NC	NC	NC	NC	NC	NC	0.004 (1,3)	NV
Cadmium	NC	NC	NC	NC	NC	NC	NC	NC	0.005 (1,3)	0.005
Calcium	165	63	48	100	74	72	97	96	NV	NV
Chromium-Total	NC	NC	NC	NC	NC	NC	NC	NC	0.05(1) / 0.1(3)	0.05
Cobalt	NC	NC	NC	NC	NC	NC	NC	NC	NV	NV
Copper	NC	NC	NC	NC	NC	0.0055	NC	NC	1.0(2)	1.0
Lead	NC	NC	NC	NC	NC	NC	NC	NC	0.015 (1,3)	0.015
Magnesium	94	35	28	64	41	22	62	32	NV	NV
Mercury	NC	NC	NC	NC	NC	NC	NC	NC	0.002 (1,3)	0.002
Nickel	NC	NC	NC	NC	NC	NC	NC	0.013	0.1 (1)	0.1
Selenium	0.003	NC	NC	NC	NC	NC	0.0016	NC	0.05 (1,3)	0.05
Silver	0.003	NC	NC	NC	NC	NC	0.0001	NC	0.1 (2)	0.1
Sodium	235	90	86	130	93	76	135	105	NV	NV
Thallium	NC	NC	NC	NC	NC	NC	NC	NC	0.002 (1,3)	0.002
Tin	NC	NC	NC	NC	NC	NC	NC	NC	NV	NV
Vanadium	0.041	0.031	0.030	0.030	0.030	0.007	0.029	NC	NV	NV
Zinc	0.0098	0.171	0.010	0.047	0.0092	0.455	0.025	0.013	5.0 (2)	5.0
VOLATILE ORGANIC COMPOUNDS (µg/L):										
Acetone	4.3	ND	ND	ND	ND	ND	ND	ND	NV	NV
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.52	ND	ND	NV	NV
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.21	ND	ND	NV	NV
Benzene	ND	ND	ND	ND	ND	0.11	ND	ND	1(1) / 5(3)	1
Carbon Disulfide	ND	5.5	0.3	0.35	0.31	ND	0.295	0.37	NV	NV
Ethylbenzene	ND	0.07	ND	ND	ND	0.41	ND	0.09	700(1,3)	700
n-Propylbenzene	ND	ND	ND	ND	ND	0.12	ND	ND	NV	NV
Naphthalene	ND	ND	ND	ND	ND	0.26	ND	ND	NV	NV
tert-Butylbenzene	ND	ND	ND	ND	ND	0.08	ND	ND	NV	NV
Toluene	0.52	ND	ND	ND	ND	1.4	ND	0.19	150 (1)/1000(3)	150
Trichlorofluoromethane	0.13	ND	ND	ND	ND	ND	ND	ND	150(1)	150
p+m-Xylenes	0.69	ND	ND	ND	ND	2.7	ND	ND	1750(1)/10,000(3)	1750
SEMI-VOLATILE ORGANIC COMPOUNDS (µg/L):										
Benzoic Acid	ND	ND	ND	ND	ND	2.6	ND	ND	NV	NV
bis (2-Ethylhexyl) phthalate	1.8	1.55	0.57	0.83	1.2	1.75	1.8	4.2	4(1)/6(3)	4
Butylbenzyl phthalate	0.28	ND	ND	ND	ND	0.44	ND	0.40	NV	NV
Di-n-butyl phthalate	ND	ND	ND	ND	ND	0.36	ND	ND	NV	NV
Naphthalene	ND	ND	ND	ND	ND	0.29	ND	ND	NV	NV
HERBICIDES, PESTICIDES & PCBs (µg/L):										
2,4-D	ND	ND	ND	0.17	ND	ND	ND	ND	70(1)	70

NOTES:

NC No calculation performed. Requires a minimum of three data entries.

NV No value available (in ARAR or Basin Objectives column).

ARAR = Applicable or Relevant and Appropriate Requirement.

** Value shown is the upper maximum contaminant limit (MCL).

(1) California Primary Drinking Water Standards.

(2) California Secondary Drinking Water Standards.

(3) Federal Maximum Contaminant Levels (MCLs).

[ ] Indicates that the analyte was not detected above laboratory practical quantitation limit. Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

ND Not detected above the method detection limit

TABLE 2-16
GREGORY CANYON LANDFILL
ALLUVIAL AQUIFER COMPARISON DATA
DOWNGRADIENT VS. UPGRADIENT MEDIAN

ANALYTE	DOWNGRADIENT LOCATIONS		UPGRADIENT LOCATION	ARARs	BASIN OBJECTIVES
	GLA-16 MEDIAN	SLR#34 MEDIAN	LUCIO #2 MEDIAN		
GENERAL CHEMISTRY (mg/L):					
Chloride	107	78	94	500 **(2)	300
Cyanide	NC	NC	NC	0.2 (1,3)	NV
Nitrate/Nitrite	6.42	NC	0.7	45 (1,3)	15
pH (units)	7.50	7.64	7.35	NV	NV
Sulfate	109	144	159	500 **(2)	500
Sulfide	NC	NC	NC	NV	NV
Total Dissolved Solids (TDS)	687	558	667	1000 **(2)	900
METALS (mg/L):					
Antimony	NC	NC	NC	0.006 (1,3)	NV
Arsenic	0.0012	NC	NC	0.01 (1,3)	0.01
Barium	0.08	0.100	0.110	1(1) / 2(3)	1
Beryllium	NC	NC	NC	0.004 (1,3)	NV
Cadmium	NC	NC	NC	0.005 (1,3)	0.005
Calcium	80	80	96	NV	NV
Chromium-Total	NC	NC	NC	0.05(1) / 0.1(3)	0.05
Cobalt	NC	NC	NC	NV	NV
Copper	NC	NC	0.006	1.0(2)	1.0
Lead	NC	NC	0.0007	0.015 (1,3)	0.015
Magnesium	37	28	33	NV	NV
Mercury	NC	NC	NC	0.002 (1,3)	0.002
Nickel	NC	NC	NC	0.1 (1)	0.1
Selenium	NC	NC	NC	0.05 (1,3)	0.05
Silver	NC	NC	NC	0.1 (2)	0.1
Sodium	77	63	68	NV	NV
Thallium	NC	NC	NC	0.002 (1,3)	0.002
Tin	NC	NC	NC	NV	NV
Vanadium	0.030	NC	0.010	NV	NV
Zinc	0.0044	0.0055	0.0090	5.0 (2)	5.0
VOLATILE ORGANIC COMPOUNDS (µg/L):					
Acetone	ND	ND	**4.9**	NV	NV
Carbon Disulfide	**0.32**	ND	ND	NV	NV
Chloroform	ND	ND	1.2	700(1,3)	700
SEMI-VOLATILE ORGANIC COMPOUNDS (µg/L):					
Acenaphthene	**0.31**	ND	ND	NV	NV
bis (2-Ethylhexyl) phthalate	**0.81**	ND	**0.62**	4(1)/6(3)	4
Hexachlorobenzene	**0.67**	ND	ND	1(1,3)	1
Hexachlorobutadiene	ND	ND	**0.64**	NV	NV
Pyrene	**0.60**	ND	**0.27**	NV	NV
HERBICIDES, PESTICIDES & PCBs (µg/L): ND					

NOTES:

NC No calculation performed. Requires a minimum of three data entries.

NV No value available (in ARAR or Basin Objectives column).

ARAR = Applicable or Relevant and Appropriate Requirement.

** Value shown is the upper maximum contaminant limit (MCL).

(1) California Primary Drinking Water Standards.

(2) California Secondary Drinking Water Standards.

(3) Federal Maximum Contaminant Levels (MCLs).

[ ] Indicates that the analyte was not detected above laboratory practical quantitation limit. Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

ND Not detected above the method detection limit

TABLE 2-17
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - SURFACE WATER STATION SW-1

ANALYTE	UNITS	Aug 1999	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY											
Chloride	mg/L	86	103	107	113	120	107	106	13	86	120
Cyanide	mg/L	NA	0.0063	0.0063	0.0063	0.0006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	**0.098**	**0.030**	0.020	**0.059**	**0.1**	0.079	0.072	0.034	0.030	0.1
pH	units	7.08	7.92	8.18	7.98	7.2	7.92	7.67	0.50	7.08	8.18
Sulfate	mg/L	84	185	183	204	220	185	175	53	84	220
Sulfide	mg/L	NA	0.43	0.050	0.050	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	585	657	627	703	720	657	658	55	585	720
METALS											
Antimony	mg/L	NA	**0.010**	0.008	0.008	**0.00018**	NC	NC	NC	NC	NC
Arsenic	mg/L	NA	**0.002**	**0.001**	**0.001**	0.002	0.002	0.002	0.001	0.001	0.002
Barium	mg/L	NA	**0.077**	0.0009	0.082	**0.071**	0.077	0.077	0.006	0.071	0.082
Beryllium	mg/L	NA	0.00032	0.00032	0.00032	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	NA	0.004	0.004	0.004	0.00012	NC	NC	NC	NC	NC
Calcium	mg/L	NA	81	98	94	86	90	90	8	81	98
Chromium	mg/L	NA	**0.005**	0.004	0.004	**0.00039**	NC	NC	NC	NC	NC
Cobalt	mg/L	NA	0.002	0.002	0.002	**0.00042**	NC	NC	NC	NC	NC
Copper	mg/L	NA	**0.009**	0.003	0.003	**0.00085**	NC	NC	NC	NC	NC
Lead	mg/L	NA	0.004	0.0004	**0.0007**	0.000098	NC	NC	NC	NC	NC
Magnesium	mg/L	NA	30	34	35	33	34	33	2	30	35
Mercury	mg/L	NA	0.00010	0.00010	0.00010	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	NA	0.003	0.003	0.003	**0.0028**	NC	NC	NC	NC	NC
Selenium	mg/L	NA	0.0006	0.0006	0.0006	**0.0014**	NC	NC	NC	NC	NC
Silver	mg/L	NA	**0.006**	0.003	**0.005**	0.000098	NC	NC	NC	NC	NC
Sodium	mg/L	NA	67	76	73	80	75	74	5	67	80
Thallium	mg/L	NA	0.020	0.0007	0.0007	0.000063	NC	NC	NC	NC	NC
Tin	mg/L	NA	NA	0.006	0.002	0.000083	NC	NC	NC	NC	NC
Vanadium	mg/L	NA	0.010	0.003	0.010	**0.0092**	0.010	0.0097	0.0005	0.0092	0.010
Zinc	mg/L	NA	**0.0066**	**0.0020**	0.0050	**0.0093**	0.0058	0.0057	0.0031	0.0020	0.0093
VOLATILE ORGANIC COMPOUNDS (µg/L): ND											
Acetone	µg/L	**4.8**[a]	0.5	5.935	5.935	4.2	NC	NC	NC	NC	NC
Carbon Disulfide	µg/L	0.54	0.5	6.4[a]	0.266	0.26	NC	NC	NC	NC	NC
Toluene	µg/L	0.11	0.5	0.047	0.047	**0.33**	NC	NC	NC	NC	NC
SEMI-VOLATILE ORGANIC COMPOUNDS											
bis(2-Ethylhexyl) Phthalate	µg/L	NA	**3.2**[a]	0.33	**0.38**[a]	2.0	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND											

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit. Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

[a] Suspected laboratory/field contaminant.

TABLE 2-18
GREGORY CANYON LANDFILL
HISTORICAL SUMMARY DATA - SURFACE WATER STATION SW-2

ANALYTE	UNITS	Aug 1999	Dec 2000	Mar 2001	Jun 2001	Sep 2001	MED.	AVG.	STD. DEV.	MIN.	MAX.
GENERAL CHEMISTRY											
Chloride	mg/L	96	105	109	111	120	109	108	9	96	120
Cyanide	mg/L	NA	0.0063	0.0063	0.0063	0.0006	NC	NC	NC	NC	NC
Nitrate/Nitrite	mg/L	0.3	**0.021**	0.020	**0.030**	**0.15**	0.09	0.12525	0.1305	0.021	0.3
pH	units	7.40	7.92	7.96	7.86	6.9	7.86	7.608	0.46	6.9	7.96
Sulfate	mg/L	171	185	184	195	210	185	189	15	171	210
Sulfide	mg/L	NA	0.050	0.050	0.050	0.1	NC	NC	NC	NC	NC
Total Dissolved Solids (TDS)	mg/L	622	660	623	700	730	660	667	48	622	730
METALS											
Antimony	mg/L	NA	**0.020**	0.008	0.008	0.00012	NC	NC	NC	NC	NC
Arsenic	mg/L	NA	**0.0009**	**0.001**	0.0007	**0.0016**	0.001	0.001	0.0004	0.0009	0.0016
Barium	mg/L	NA	**0.080**	0.0009	0.088	**0.082**	0.08	0.08	0.004	0.08	0.088
Beryllium	mg/L	NA	0.00032	0.00032	0.00032	0.00042	NC	NC	NC	NC	NC
Cadmium	mg/L	NA	0.004	0.004	0.004	0.00012	NC	NC	NC	NC	NC
Calcium	mg/L	NA	78	97	96	91	93.5	90.5	8.7	78	97
Chromium	mg/L	NA	0.004	0.004	0.004	0.00012	NC	NC	NC	NC	NC
Cobalt	mg/L	NA	0.002	0.002	0.002	**0.00047**	NC	NC	NC	NC	NC
Copper	mg/L	NA	**0.008**	0.003	0.003	**0.00092**	NC	NC	NC	NC	NC
Lead	mg/L	NA	0.004	0.0004	0.0004	0.000098	NC	NC	NC	NC	NC
Magnesium	mg/L	NA	29	35	36	33	34	33.3	3.1	29	36
Mercury	mg/L	NA	0.00010	0.00010	0.00010	0.00043	NC	NC	NC	NC	NC
Nickel	mg/L	NA	0.003	0.003	0.003	**0.0031**	NC	NC	NC	NC	NC
Selenium	mg/L	NA	0.0006	0.0006	0.0006	**0.0010**	NC	NC	NC	NC	NC
Silver	mg/L	NA	**0.004**	0.003	**0.006**	0.000098	NC	NC	NC	NC	NC
Sodium	mg/L	NA	65	76	75	80	75.5	74	6.4	65	80
Thallium	mg/L	NA	0.020	0.0007	0.0007	0.000063	NC	NC	NC	NC	NC
Tin	mg/L	NA	NA	0.006	0.002	0.000083	NC	NC	NC	NC	NC
Vanadium	mg/L	NA	**0.008**	0.003	**0.008**	**0.0064**	0.008	0.0075	0.0009	0.0064	0.008
Zinc	mg/L	NA	**0.0067**	0.00089	**0.0014**	**0.0074**	0.0067	0.0052	0.0033	0.0014	0.0074
VOLATILE ORGANIC COMPOUNDS (µg/L): ND											
SEMI-VOLATILE ORGANIC COMPOUNDS											
bis(2-Ethylhexyl) Phthalate	µg/L	NA	**0.55**[a]	0.33	NA	2.0	NC	NC	NC	NC	NC
HERBICIDES, PESTICIDES, & PCBs (µg/L): ND											

NOTES:

NA = Not Analyzed/Not Applicable

Indicates that the analyte was not detected above laboratory practical quantitation limit.
Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

NC No calculation performed. Requires a minimum of three data entries.

[a] Suspected laboratory/field contaminant.

TABLE 2-19
GREGORY CANYON LANDFILL
SURFACE WATER COMPARISON DATA
DOWNSTREAM VS. UPSTREAM MEDIAN

ANALYTE	DOWNSTREAM LOCATION SLRSW-2 MEDIAN	UPSTREAM LOCATION SLRSW-1 MEDIAN	ARARs	BASIN OBJECTIVES
GENERAL CHEMISTRY (mg/L):				
Chloride	109	107	500 **(2)	250
Cyanide	NC	NC	0.2 (1,3)	NV
Nitrate/Nitrite	0.09	0.079	45 (1,3)	NV
pH (units)	7.86	7.92	NV	NV
Sulfate	185	185	500 **(2)	250
Sulfide	NC	NC	NV	NV
Total Dissolved Solids (TDS)	660	657	1000 **(2)	500
METALS (mg/L):				
Antimony	NC	NC	0.006 (1,3)	NV
Arsenic	0.001	0.002	0.01 (1,3)	0.01
Barium	0.08	0.077	1(1) / 2(3)	1
Beryllium	NC	NC	0.004 (1,3)	NV
Cadmium	NC	NC	0.005 (1,3)	0.005
Calcium	93.5	90	NV	NV
Chromium-Total	NC	NC	0.05(1) / 0.1(3)	0.05
Cobalt	NC	NC	NV	NV
Copper	NC	NC	1.0(2)	1.0
Lead	NC	NC	0.015 (1,3)	0.015
Magnesium	34	34	NV	NV
Mercury	NC	NC	0.002 (1,3)	0.002
Nickel	NC	NC	0.1 (1)	0.1
Selenium	NC	NC	0.05 (1,3)	0.05
Silver	NC	NC	0.1 (2)	0.1
Sodium	75.5	75	NV	NV
Thallium	NC	NC	0.002 (1,3)	0.002
Tin	NC	NC	NV	NV
Vanadium	0.008	0.010	NV	NV
Zinc	0.0067	0.0058	5.0 (2)	5.0
VOLATILE ORGANIC COMPOUNDS (µg/L):				
Acetone	ND	**4.8**	NV	NV
Carbon Disulfide	ND	6.4	NV	NV
Toluene	ND	**0.33**	150 (1)/1000(3)	150
SEMI-VOLATILE ORGANIC COMPOUNDS (µg/L):				
bis (2-Ethylhexyl) phthalate	**0.55**	**1.79**	4(1)/6(3)	4
HERBICIDES, PESTICIDES & PCBs (µg/L): ND				

NOTES:

NC No calculation performed. Requires a minimum of three data entries.

NV No value available (in ARAR or Basin Objectives column).
ARAR = Applicable or Relevant and Appropriate Requirement.

** Value shown is the upper maximum contaminant limit (MCL).

(1) California Primary Drinking Water Standards.

(2) California Secondary Drinking Water Standards.

(3) Federal Maximum Contaminant Levels (MCLs).

[ ] Indicates that the analyte was not detected above laboratory practical quantitation limit.
Value listed is laboratory detection limit or estimated trace (BOLDED) concentration.

ND Not detected above the method detection limit

TABLE 2-20
SITE MONITORING WELL INFORMATION
GREGORY CANYON LANDFILL

WELL INFORMATION	GLA-1	GLA-2	GLA-3	GLA-4	GLA-5	GLA-7	GLA-8	GLA-9	GLA-10	GLA-11	GLA-12	GLA-13	GLA-14	GLA-16
Elevation of Well (feet MSL):														
Top of Well Casing	343.72	379.45	332.02	904.99	927.92	402.85	633.11	615.61	326.59	777.32	345.79	358.15	334.13	307.54
Total Depth of Well (ft.): At installation	300	250	150	250	195	160	300	300	150.0	243	53	70	56	33.5
Depth of Screened Interval	20-300	10-250	45-150	30-240	30-190	30-160	15-300	20-300	50-150	202.5-242.5	32-52	49.5-69.5	35.5-55.5	9.5-29.5
Depth to Water (from top of well casing (ft.)):														
12/3/96	37.98	69.65	21.81	165.00	41.44	33.46	62.48	-	-	-	-	-	-	-
12/16/96	37.10	69.73	23.84	149.93	42.57	34.82	62.40	Dry	22.20	-	-	-	-	-
9/13/99	39.36	70.58	25.38	70.57	41.22	37.72	64.85	Dry	23.27	-	-	-	-	-
3/14/00	38.05	71.11	23.66	60.39	41.29	39.11	63.70	Dry	22.01	193.36	36.96	49.25	38.18	13.92
11/14-15/00	38.82	72.36	24.80	62.53	39.80	41.58	66.21	Dry	22.66	194.98	38.08	50.52	38.89	15.35
12/5-6/00	-	72.23	-	64.71	40.54	-	-	Dry	23.30	195.30	37.96	50.54	38.73	15.06
1/30/01	40.25	72.99	26.78	76.25	40.55	43.43	67.86	Dry	23.05	195.72	37.98	50.55	38.58	14.91
2/26/01	40.09	72.98	26.74	71.60	41.42	43.72	68.13	Dry	22.93	195.59	37.93	50.52	38.51	14.82
3/12/01	39.99	72.95	26.57	70.50	40.58	43.82	67.50	Dry	22.73	195.57	37.79	50.38	38.41	14.60
4/13/01	40.08	73.08	26.55	148.69	40.28	43.92	67.23	Dry	22.71	195.36	37.83	50.37	38.35	14.62
5/14/01	40.22	73.19	26.78	98.09	40.71	44.18	67.67	Dry	23.01	196.36	37.97	50.57	38.50	14.82
6/20/01	40.62	73.25	27.11	74.50	39.66	44.40	68.57	Dry	23.19	196.25	38.66	50.73	38.66	15.07
7/11/01	40.63	73.43	27.24	128.18	40.10	44.54	68.98	Dry	23.54	196.86	38.40	51.00	38.83	15.31
8/29/01	40.80	73.62	27.56	76.72	41.13	44.95	69.67	Dry	23.68	196.74	38.64	51.24	39.05	15.69
9/5/01	40.72	73.53	26.91	74.25	41.16	44.71	67.95	Dry	22.96	196.63	38.62	51.20	39.05	15.73
10/29/01	40.80	73.90	27.54	75.43	41.43	45.50	70.06	Dry	23.55	196.98	38.73	51.37	39.27	16.03
11/28/01	40.68	73.88	27.5	73.64	42.11	45.77	69.92	Dry	23.36	197.08	38.65	51.36	39.05	15.46
12/11/01	40.55	73.25	27.37	73.06	42.25	45.80	69.80	Dry	22.49	196.62	38.55	51.18	38.89	15.20
3/29/02	40.70	73.98	27.48	70.60	-	46.79	70.96	Dry	23.22	197.14	38.64	51.39	38.75	14.94
Elevation of Water Surface (ft. MSL):														
12/3/96	305.74	309.80	310.21	739.99	886.48	369.39	570.63	Dry	-	-	-	-	-	-
12/16/96	306.62	309.72	308.18	755.06	885.35	368.03	570.71	Dry	304.39	-	-	-	-	-
9/13/99	304.36	308.87	306.64	834.42	886.70	365.13	568.26	Dry	303.32	-	-	-	-	-
3/14/00	305.67	308.34	308.36	844.60	886.63	363.74	569.41	Dry	304.58	583.96	308.83	308.90	295.95	293.62
11/14-15/00	304.90	307.09	307.22	842.46	888.12	361.27	566.90	Dry	303.93	582.34	307.71	307.63	295.24	292.19
12/5-6/00	-	307.22	-	840.28	887.38	-	-	Dry	303.29	582.02	307.83	307.61	295.40	292.48
1/30/01	303.47	306.46	305.24	828.74	887.37	359.42	565.25	Dry	303.54	581.60	307.81	307.60	295.55	292.63
2/26/01	303.63	306.47	305.28	833.39	886.50	359.13	564.98	Dry	303.66	581.73	307.86	307.63	295.62	292.72
3/12/01	303.73	306.50	305.45	834.49	887.34	359.03	565.61	Dry	303.86	581.75	308.00	307.77	295.72	292.94
4/13/01	303.64	306.37	305.47	756.30	887.64	358.93	565.88	Dry	303.88	581.96	307.96	307.78	295.78	292.92
5/14/01	303.50	306.26	305.24	806.90	887.21	358.67	565.44	Dry	303.58	580.96	307.82	307.58	295.63	292.72
6/20/01	303.10	306.20	304.91	830.49	888.26	358.45	564.54	Dry	303.40	581.07	307.13	307.42	295.47	292.47
7/11/01	303.09	306.02	304.78	776.81	887.82	358.31	564.13	Dry	303.05	580.46	307.39	307.15	295.30	292.23
8/29/01	302.92	305.83	304.46	828.27	886.79	357.90	563.44	Dry	302.91	580.58	307.15	306.91	295.08	291.85
9/5/01	303.00	305.92	305.11	830.74	886.76	358.14	565.16	Dry	303.63	580.69	307.17	306.95	295.08	291.81
10/29/01	302.92	305.55	304.48	829.56	886.49	357.35	563.05	Dry	303.04	580.34	307.06	306.78	294.86	291.51
11/28/01	303.04	305.57	304.52	831.35	885.81	357.08	563.19	Dry	303.23	580.24	307.14	306.79	295.08	292.08
12/11/01	303.17	306.20	304.65	831.93	885.67	357.05	563.31	Dry	304.10	580.70	307.24	306.97	295.24	292.34
3/29/02	303.02	305.47	304.54	834.39	-	356.06	562.15	Dry	303.37	580.18	307.15	306.76	295.38	292.60

- Not measured/not applicable.

D:\0539\GCLEV.XLS:5/19/03

TABLE 2-21
MONITORING WELL CONSTRUCTION DATA
GREGORY CANYON LANDFILL MONITORING WELLS

Well Number	Status	Casing Elevation (feet MSL)	Depth (in feet) To Bottom of Well	First Water	Static Water	Original Well Construction Diameter & Material	Filter Pack	Slot Size	Screen Interval	Drilling Method	Aquifer Material
Detection Monitoring Wells											
GMW-1	Compliance	331.36	90.5	21.25	22.48	Open Hole	None	NA	48-90.5	Air Rotary	Bedrock
GLA-4	Background	904.99	250	103	149.93	Open Hole	None	NA	30-240	Dual Wall Rev. - Air	Bedrock
GLA-5	Background	927.92	195	100	42.57	Open Hole	None	NA	30-190	Dual Wall Rev. - Air	Bedrock
GLA-11	Background	777.32	243	231	191.5	2" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	202.5-242.5	Air Rotary	Bedrock
GLA-12	Compliance	345.79	53	38	36.7	2" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	32-52	Air Rotary	Bedrock
GLA-13	Compliance	358.15	70	58	49.7	2" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	49.5-69.5	Air Rotary	Bedrock
GLA-14	Compliance	334.13	56	42	36.5	2" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	35.5-55.5	Air Rotary	Bedrock
GLA-A (Proposed)	Compliance	370 (est.)	-	-	65 (est.)	4" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	60-90	Air Rotary	Bedrock
GLA-B (Proposed)	Compliance	345 (est.)	-	-	35 (est.)	4" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	30-50	Air Rotary	Bedrock
GLA-2R (Proposed)	Compliance	375 (est.)	145	-	70 (est.)	4" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	80-145	Air Rotary	Bedrock
GLA-2S (Proposed)	Compliance	373 (est.)	75	-	65(est.)	4" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	50-75	Air Rotary	Bedrock
GLA-3S (Proposed)	Compliance	330 (est.)	45	-	25 (est.)	4" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	20-45'	Air Rotary	Bedrock
GLA-17(Proposed)	Background	585 (est.)	-	-	-	4" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	50 feet	Air Rotary	Bedrock
GLA-18(Proposed)	Background	915 (est.)	-	-	-	4" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	50 feet	Air Rotary	Bedrock
Lucio #2R (Proposed)	Background	305 (est.)	40	-	15 (est.)	4" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	30 feet	Hollow-Stem Auger	Alluvium
GMW-3	Compliance	320.36	49.5	12.83	12.38	4" Dia. Sch. 40 PVC	2/12 Sand	0.020"	9.5-49.5	Hollow-Stem Auger	Alluvium
GLA-16	Sentry	307.54	33.5	10.6	13	2" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	9.5-29.5	Air Rotary	Alluvium
SLRMWD #34R (Proposed)	Sentry	310 (est.)	45	-	20 (est.)	4" Dia. Sch. 40 PVC	#3 Monterey Sd.	0.020"	30 feet	Hollow-Stem Auger	Alluvium
Water Level Measuring Stations (wells GLA-7 and GLA-8 will be abandoned prior to landfilling in that area)											
GLA-1	-	343.72	300	210	37.1	Open Hole	None	NA	20-300	Dual Wall Rev. - Air	Bedrock
GLA-7	-	402.85	160	50	34.82	Open Hole	None	NA	30-160	Dual Wall Rev. - Air	Bedrock
GLA-8	-	633.11	300	86	62.4	Open Hole	None	NA	15-300	Dual Wall Rev. - Air	Bedrock
GLA-10	-	326.59	150	33	22.2	Open Hole	None	NA	50-150	Dual Wall Rev. - Air	Bedrock

Notes: R indicates proposed replacement well to be constructed in vicinity of the existing groundwater monitoring well.
GLA-2 and GLA-3 will be abandoned once their replacement wells are successfully completed and tested.
GLA-7 and GLA-8 will bbe abandoned once landfilling reaches the vicinity of these wells.