

Table 3.3-2 Number of Analyzed Contaminants Exceeding the Ecuadorian Standards at Each Site

Site ID	Total		Drinking Water		Groundwater		Sediment		Soil		Surface Water	
	Number of parameters exceeded (ND=0)	Number of parameters exceeded (ND=1/2DL)	Number of parameters exceeded (ND=0)	Number of parameters exceeded (ND=1/2DL)	Number of parameters exceeded (ND=0)	Number of parameters exceeded (ND=1/2DL)	Number of parameters exceeded (ND=0)	Number of parameters exceeded (ND=1/2DL)	Number of parameters exceeded (ND=0)	Number of parameters exceeded (ND=1/2DL)	Number of parameters exceeded (ND=0)	Number of parameters exceeded (ND=1/2DL)
AG_PS	40	45			0	5	13	13	13	13	14	14
AG-02	3	9	1	2	0	5	0	0	2	2	0	0
AU-01	12	13	1	2			2	2	7	7	2	2
AU-08	1	1					1	1			0	0
AU-09	2	3	0	1			2	2				
AU-17	3	3					3	3	0	0	0	0
AU-19	3	3					3	3	0	0	0	0
AUCentral_PS	5	6	1	2			4	4			0	0
AUS_PS	5	5					5	5			0	0
AUS-01	2	2					2	2			0	0
CO_PS	2	3	1	2			1	1			0	0
CO-06	20	22	1	3			11	11	8	8	0	0
CO-09	3	3					2	2			1	1
CO-12	8	8					4	4	3	3	1	1
CUL_PS	9	11			4	6	5	5	0	0	0	0
GU_PS	11	13			4	6	6	6	0	0	1	1
GU-06	15	16	2	3	3	3	5	5	4	4	1	1
GU-07	10	14			0	4	3	3	6	6	1	1
LA-02	28	32			2	5	12	12	14	15	0	0
LA-06	25	30			1	6	6	6	17	17	1	1
LA-11	8	13			1	6	4	4	3	3	0	0
LA-11A	16	18			6	8	4	4	5	5	1	1
LA-15	18	22	0	1	3	6	5	5	10	10		
LACentral_PS	27	30	1	2	7	9	4	4	13	13	2	2
LANorte_PS	41	51	2	3	6	12	14	14	13	14	6	8
SA-006	15	21	0	1	4	9			11	11	0	0
SA-010	13	19			4	10			9	9		
SA-013	16	22			6	12			8	8	2	2
SA-014	17	22			9	14			8	8	0	0
SA-018	24	31	0	1	6	12			18	18	0	0
SA-019	20	26	0	1	0	5	8	8	12	12	0	0
SA-020	12	20			0	5	7	7	5	8	0	0
SA-021	18	23	0	1	1	5	5	5	10	10	2	2
SA-022	9	15			0	5	2	2	7	8	0	0
SA-036	10	15			0	5	1	1	9	9	0	0
SA-038	0	0							0	0		
SA-051	18	28			7	13			10	14	1	1
SA-052	11	11					4	4	5	5	2	2
SA-053	32	39	0	1	7	13	12	12	13	13	0	0
SA-056	14	14					7	7	7	7	0	0
SA-057	11	16			0	5	2	2	9	9	0	0
SA-065	11	17			3	9			8	8		
SA-071	0	0							0	0		
SA-085	19	26	0	1	6	12	3	3	10	10	0	0

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SA-094	22	30			5	10	5	5	9	9	3	6
SACentral_PS	31	38	0	1	8	13	7	7	12	13	4	4
SANorte1_PS	27	30	1	2	4	6	8	8	12	12	2	2
SANorte2_PS	17	23	0	1	0	5	2	2	15	15	0	0
SASur_PS	24	28	0	1	6	9	11	11	5	5	2	2
SSF-04	27	31			4	8	4	4	18	18	1	1
SSF-07	16	22	0	1	0	5	2	2	14	14	0	0
SSF-08	21	30			5	12	3	3	6	7	7	8
SSF-10	19	24			5	10	2	2	12	12	0	0
SSF-11	14	19			0	5			13	13	1	1
SSF-13	35	39			8	10	6	6	18	18	3	5
SSF-18	38	40	0	1	7	8	19	19	12	12	0	0
SSF-20	0	0							0	0		
SSF-21	26	26			9	9	0	0	16	16	1	1
SSF-24	37	37			9	9	8	8	20	20	0	0
SSF-25	36	37			7	8	11	11	18	18	0	0
SSF-27	18	23			0	5	3	3	13	13	2	2
SSF-33	0	0							0	0		
SSF-38	27	27			7	7	0	0	18	18	2	2
SSF-39	0	0							0	0		
SSF-45A	31	31			8	8	8	8	13	13	2	2
SSF-48	16	22			6	12			10	10		
SSF-50	0	0							0	0		
SSF-67	22	31			5	12	3	3	8	9	6	7
SSFCentral_PS	26	28	0	1	8	9	2	2	16	16	0	0
SSFNorte_PS	16	21			2	7	3	3	9	9	2	2
SSFSur_PS	29	36			3	9	12	12	11	11	3	4
SSFSuroeste_PS	22	35			0	5	13	13	8	13	1	4
YU_PS	5	5					4	4			1	1
YU-02	19	24			0	4	7	7	10	10	2	3
YU-04	3	3					2	2			1	1
YU-05	4	4					4	4	0	0	0	0
YUL_PS	2	2					2	2			0	0

## Notes:

1. ND = Non-detect
2. DL = Detection limit

**Table 3.3-3 Number of Sites Where Contaminants in Soil Exceed the Ecuadorian Standards**

Parameter	JI					Plaintiff				
	Number of Sites Sampled	Number of Sites with Exceedances (ND=0)	Percentage of Sites with Exceedances (ND=0)	Number of Sites with Exceedances (ND=1/2DL)	Percentage of Sites with Exceedances (ND=1/2DL)	Number of Sites Sampled	Number of Sites with Exceedances (ND=0)	Percentage of Sites with Exceedances (ND=0)	Number of Sites with Exceedances (ND=1/2DL)	Percentage of Sites with Exceedances (ND=1/2DL)
Arsenic	Parameter not analyzed					No Sites sampled				
Barium	45	40	89%	40	89%	41	22	54%	22	54%
Benzene	45	8	18%	8	18%	7	0	0%	2	29%
Benzo (a) anthracene	45	25	56%	26	58%	27	5	19%	5	19%
Benzo (a) pyrene	45	31	69%	31	69%	34	12	35%	18	53%
Cadmium	45	22	49%	22	49%	41	14	34%	14	34%
Chromium	25	3	12%	3	12%	7	4	57%	4	57%
Chromium (VI)	25	0	0%	0	0%	38	26	68%	26	68%
Conductivity	1	0	0%	0	0%	Parameter not analyzed				
Copper	45	34	76%	34	76%	12	2	17%	2	17%
Ethylbenzene	45	8	18%	8	18%	7	0	0%	2	29%
Lead	25	6	24%	6	24%	16	1	6%	1	6%
Mercury	25	1	4%	1	4%	4	0	0%	4	100%
Naphthalene	45	37	82%	37	82%	27	11	41%	11	41%
Nickel	45	11	24%	11	24%	41	6	15%	6	15%
Pyrene	45	37	82%	37	82%	27	12	44%	12	44%
Selenium	Parameter not analyzed					Parameter not analyzed				
Toluene	45	4	9%	4	9%	7	0	0%	2	29%
Total PAH	Total PAH was not reported by the laboratory					35	17	49%	17	49%
Total TPH (C6-C35)	Parameter not analyzed					Parameter not analyzed				
TPH	Parameter not analyzed					35	35	100%	35	100%
TPH (C6-C35)	Parameter not analyzed					Parameter not analyzed				
TPH as DRO	45	41	91%	41	91%	8	7	88%	7	88%
TPH as GRO	45	4	9%	4	9%	6	1	17%	1	17%
TPH C6-C35 All Fractions	45	32	71%	32	71%	Parameter not analyzed				
Vanadium	25	16	64%	16	64%	6	0	0%	0	0%
Xylene (total)	45	9	20%	9	20%	7	0	0%	2	29%
Zinc	45	6	13%	6	13%	39	5	13%	5	13%

Notes:

- 1. ND = Non-detect
- 2. DL = Detection limit

**Table 3.3-4 Number of Sites Where Contaminants in Sediment Exceed the Ecuadorian Standards**

Parameter	JI					Plaintiff				
	Number of Sites Sampled	Number of Sites with Exceedances (ND=0)	Percentage of Sites with Exceedances (ND=0)	Number of Sites with Exceedances (ND=1/2DL)	Percentage of Sites with Exceedances (ND=1/2DL)	Number of Sites Sampled	Number of Sites with Exceedances (ND=0)	Percentage of Sites with Exceedances (ND=0)	Number of Sites with Exceedances (ND=1/2DL)	Percentage of Sites with Exceedances (ND=1/2DL)
Arsenic	Parameter not analyzed					Parameter not analyzed				
Barium	22	10	45%	10	45%	16	6	38%	6	0.375
Benzene	21	1	5%	1	5%	Parameter not analyzed				
Benzo (a) anthracene	22	4	18%	4	18%	14	2	14%	2	0.142857143
Benzo (a) pyrene	22	6	27%	6	27%	15	4	27%	4	0.266666667
Boron	Parameter not analyzed					Parameter not analyzed				
Cadmium	22	3	14%	3	14%	16	8	50%	8	0.5
Chromium	14	2	14%	2	14%	1	0	0%	0	0
Chromium (VI)	14	1	7%	1	7%	16	9	56%	9	0.5625
Copper	22	5	23%	5	23%	3	0	0%	0	0
Ethylbenzene	21	1	5%	1	5%	Parameter not analyzed				
Lead	14	1	7%	1	7%	2	0	0%	0	0
Mercury	14	1	7%	1	7%	1	1	100%	1	1
Naphthalene	22	6	27%	6	27%	14	0	0%	0	0
Nickel	22	3	14%	3	14%	16	2	13%	2	0.125
Pyrene	22	10	45%	10	45%	14	2	14%	2	0.142857143
Selenium	Parameter not analyzed					Parameter not analyzed				
Toluene	21	1	5%	1	5%	Parameter not analyzed				
Total PAH	Total PAH was not reported by the laboratory					15	6	40%	6	0.4
TPH	Parameter not analyzed					16	15	94%	15	0.9375
TPH (C6-C35)	Parameter not analyzed					Parameter not analyzed				
TPH as DRO	22	12	55%	12	55%	1	0	0%	0	0
TPH as GRO	22	0	0%	0	0%	Parameter not analyzed				
TPH C6-C35 All Fractions	4	2	50%	2	50%	Parameter not analyzed				
Vanadium	14	5	36%	5	36%	1	0	0%	0	0
Xylene (total)	21	1	5%	1	5%	Parameter not analyzed				
Zinc	22	3	14%	3	14%	14	3	21%	3	0.214285714

Notes:

- 1. ND = Non-detect
- 2. DL = Detection limit