

Details of 94 Nos of Auger samples collected from Pits along with analysis of 34 elements by ICP-MS of Sumarasar area, District: Kachchh, Gujarat																																							
BH No.	Sample No	From (m)	To (m)	Thick-ness (m)	Lithology	Li	Sc	V	Cr	Co	Ni	Cu	Zn	Ga	Se	Rb	Sr	Y	Zr	Nb	Mo	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Pb	Th	U
SMA_1	SM/AUG/01	5.00	5.50	0.50	Whitish Ferruginous sandy shale	36.86	13.40	127.03	107.70	16.90	31.11	26.25	60.73	24.85	1.02	62.01	255.34	34.85	414.54	12.79	0.90	88.27	151.69	17.27	62.07	10.82	1.65	8.51	1.37	9.61	1.31	3.34	0.59	3.51	0.52	12.46	23.62	38.63	3.93
SMA_2	SM/AUG/02	1.90	3.00	1.10	Greyish yellow shale	83.47	21.97	179.20	131.78	27.92	72.61	44.69	142.68	32.38	0.79	80.76	354.13	58.34	434.53	15.17	0.91	73.94	143.30	16.64	60.67	11.10	2.32	9.51	1.74	10.36	2.13	5.52	0.96	6.23	0.95	12.76	26.13	26.83	4.37
	SM/AUG/03	3.80	4.50	0.70	Greyish yellow shale	87.82	22.45	168.97	114.97	28.74	68.43	46.98	137.17	32.93	0.95	80.54	290.77	58.82	394.80	13.89	0.99	66.14	128.93	15.17	55.51	10.55	2.40	9.52	1.80	10.72	2.24	5.62	0.98	5.88	0.89	11.90	22.67	21.48	3.89
SMA_3	SM/AUG/04	2.40	3.00	0.60	Ferruginous Yellow Soil	79.81	21.03	166.57	114.20	26.39	64.45	39.72	128.26	32.54	0.95	91.28	257.64	53.27	492.09	15.15	0.78	92.04	156.91	18.77	68.63	12.37	2.08	10.15	1.76	10.17	2.04	5.09	0.89	5.43	0.86	15.00	23.45	35.23	4.80
	SM/AUG/05	3.00	3.30	0.30	Greyish Yellow sandy soil	72.57	20.91	158.30	111.03	27.91	60.98	35.55	159.93	29.35	1.02	92.41	256.48	57.69	467.63	14.47	0.84	95.87	158.66	18.90	68.93	12.60	2.12	10.73	1.86	10.55	2.17	5.26	0.91	5.50	0.86	14.07	22.48	34.49	4.48
	SM/AUG/06	5.50	6.00	0.50	Grey shale	78.25	22.63	169.75	120.45	17.79	52.66	41.21	128.09	32.60	1.08	93.47	250.03	56.83	476.18	14.71	0.87	93.77	158.11	19.06	70.15	12.76	2.25	10.45	1.88	10.85	2.19	5.40	0.92	5.68	0.92	14.35	23.98	32.65	5.01
SMA_4	SM/AUG/07	2.00	2.50	0.50	Yellow sandy soil with Ferruginized Shale	94.66	22.68	174.43	118.19	26.10	61.76	42.95	137.97	31.68	1.61	108.67	426.38	96.68	441.34	13.40	0.86	72.47	140.61	16.92	62.95	12.02	2.47	11.82	2.35	14.86	3.21	7.80	1.28	7.40	1.12	12.98	22.18	27.22	4.95

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SMA_24	SM/AUG/47	1.50	2.00	0.50	Greyish Yellow sandy soil	71.66	18.46	147.26	116.90	18.88	49.69	40.96	89.99	30.06	1.25	89.18	193.72	42.24	426.96	14.47	0.78	69.26	141.75	14.98	53.04	9.46	1.80	8.32	1.41	8.27	1.69	4.76	0.79	4.77	0.70	12.36	23.43	28.78	3.96
	SM/AUG/48	2.00	2.50	0.50	Pinkish Yellow sandy soil	72.10	20.27	140.54	109.22	17.64	51.00	36.88	91.73	29.34	1.21	90.63	244.79	58.38	388.07	14.11	0.70	65.75	126.80	14.65	53.35	9.90	2.18	9.81	1.78	10.53	2.12	5.60	0.86	4.89	0.73	11.47	22.80	26.39	3.89
	SM/AUG/49	4.50	6.00	1.50	Greyish sandy soil	76.09	19.67	138.94	112.05	19.57	57.93	39.64	84.24	28.44	1.04	93.10	192.30	46.73	431.40	12.42	0.76	59.75	115.88	13.25	47.43	8.56	1.92	8.21	1.48	8.82	1.81	4.99	0.85	5.02	0.75	12.29	23.58	23.08	3.69
	SM/AUG/50	6.00	7.00	1.00	Greyish sandy soil	72.36	19.39	141.16	107.87	21.08	58.63	40.70	95.93	28.67	1.42	92.40	206.24	50.51	453.02	13.46	0.72	64.35	124.59	14.28	51.48	9.34	2.01	8.62	1.58	9.51	1.93	5.52	0.84	4.98	0.72	12.86	23.61	24.12	3.80
SMA_25	SM/AUG/51	1.50	2.00	0.50	Yellow sandy soil	57.89	20.87	138.22	113.46	20.35	62.09	33.48	97.74	25.89	1.04	84.15	169.45	45.59	411.37	13.10	0.67	72.26	136.43	15.89	56.16	10.17	1.82	8.95	1.55	8.89	1.77	4.97	0.77	4.52	0.68	11.68	28.21	30.59	3.89
	SM/AUG/52	3.00	4.00	1.00	Gray shale	76.54	20.94	149.19	118.67	19.55	53.48	40.40	108.08	29.95	0.86	89.38	185.83	51.46	438.15	13.89	0.80	70.83	136.67	15.67	57.12	10.35	2.13	9.59	1.66	9.77	1.99	5.34	0.86	5.00	0.76	12.58	24.58	26.64	4.02
	SM/AUG/53	4.00	4.50	0.50	Gray shale	80.17	21.20	152.24	129.05	21.31	59.82	45.56	109.72	31.81	0.73	92.68	176.00	49.09	410.16	13.69	0.76	71.78	141.43	16.18	58.13	10.45	2.14	9.83	1.69	9.64	1.91	5.30	0.83	5.01	0.77	11.81	23.96	27.09	4.02
SMA_26	SM/AUG/54	1.50	2.00	0.50	Black Shale	33.05	25.73	197.07	133.22	27.05	70.18	54.77	102.54	31.48	1.98	143.97	182.36	57.14	371.70	13.82	0.77	110.96	185.47	21.00	75.03	13.11	2.27	11.83	2.01	11.23	2.24	5.93	0.94	5.11	0.75	10.90	23.2		