

Preliminary AZP 2021-09 Sampling

Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Aluminum, dissolved by Method SW 6020A (µg/L)	Antimony, dissolved by Method SW 6020A (µg/L)	Arsenic, dissolved by Method SW 6020A (µg/L)	Barium, dissolved by Method SW 6020A (µg/L)	Beryllium, dissolved by Method SW 6020A (µg/L)	Boron, dissolved by Method SW 6020A (mg/L)	Cadmium, dissolved by Method SW 6020A (µg/L)
HNWR-01A	HNWR-01A-098-Q321	N		GW	9/21/2021	< 200	< 1.0	16.3	95	< 1.0	0.621	< 1.0
HNWR-01A	HNWR-01A-174-Q321	N		GW	9/21/2021	< 200	< 1.0	13.9	100	< 1.0	0.572	< 1.0
MARINA-1	MARINA-1-Q321	N		GW	9/20/2021	< 2000	< 10	< 10	80.7	< 10	2.87	< 10
MTS-1	MTS-1-Q321	N		GW	9/22/2021	< 200	< 1.0	15.3	82.6	< 1.0	0.996	< 1.0
MTS-2	MTS-2-Q321	N		GW	9/22/2021	< 200	< 1.0	18.1	84.4	< 1.0	0.972	< 1.0
MW-94-030	MW-94-030-Q321	N		GW	9/22/2021	< 200	< 1.0	5.16	58.1	< 1.0	0.694	< 1.0
MW-94-100	MW-94-100-Q321	N		GW	9/22/2021	< 200	< 1.0	11.6	85.5	< 1.0	0.622	< 1.0
MW-94-100	MW-933-Q321	FD	MW-94-100-Q321	GW	9/22/2021	< 200	< 1.0	11.5	84.2	< 1.0	0.592	< 1.0
MW-94-175	MW-94-175-Q321	N		GW	9/22/2021	< 200	< 1.0	11.6	96.7	< 1.0	0.505	< 1.0
MW-99-060	MW-99-060-Q321	N		GW	9/23/2021	--	--	--	--	--	--	--
MW-99-140	MW-99-140-Q321	N		GW	9/23/2021	--	--	--	--	--	--	--
PGE-09S	PGE-09S-Q321	N		GW	9/21/2021	< 2000	< 10	17.1	49.3	< 10	2.5	< 10
SITE B	SITE B-165-Q321	N		GW	9/21/2021	< 200	< 1.0	16.4	111	< 1.0	0.382	< 1.0
SITE B	SITE B-220-Q321	N		GW	9/21/2021	< 200	< 1.0	16.5	112	< 1.0	0.375	< 1.0
SITE B	SITE B-285-Q321	N		GW	9/21/2021	< 200	< 1.0	15.5	112	< 1.0	0.37	< 1.0
TOPOCK-2	TOPOCK-2-Q321	N		GW	9/20/2021	< 200	< 1.0	12.1	51.9	< 1.0	0.557	< 1.0
TOPOCK-3	TOPOCK-3-Q321	N		GW	9/20/2021	< 200	< 1.0	13.4	69.3	< 1.0	0.508	< 1.0

Notes:

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Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Calcium, dissolved by Method SW 6020A (mg/L)	Chloride by Method EPA 300.0 (mg/L)	Chromium, Hexavalent by Method EPA 218.6 (µg/L)	Chromium, total dissolved by Method SW 6020A (µg/L)	Cobalt, dissolved by Method SW 6020A (µg/L)	Copper, dissolved by Method SW 6020A (µg/L)	Deuterium by Method CFIRM (0/00)
HNWR-01A	HNWR-01A-098-Q321	N		GW	9/21/2021	30	629	14.5	30.1	< 1.0	< 2.0	-74.1
HNWR-01A	HNWR-01A-174-Q321	N		GW	9/21/2021	28.5	561	12.7	15.3	< 1.0	< 2.0	-72.6
MARINA-1	MARINA-1-Q321	N		GW	9/20/2021	338	9,580	1.28	< 10	< 10	< 20	-76.9
MTS-1	MTS-1-Q321	N		GW	9/22/2021	87.8	565	2.02	3.32	< 1.0	< 2.0	-75
MTS-2	MTS-2-Q321	N		GW	9/22/2021	88	586	8.5	10.3	< 1.0	< 2.0	-75
MW-94-030	MW-94-030-Q321	N		GW	9/22/2021	52.3	291	19.8	21.7	< 1.0	< 2.0	-72.3
MW-94-100	MW-94-100-Q321	N		GW	9/22/2021	45	368	9.25	11.4	< 1.0	< 2.0	-73
MW-94-100	MW-933-Q321	FD	MW-94-100-Q321	GW	9/22/2021	42.7	370	8.92	11.3	< 1.0	< 2.0	-72.8
MW-94-175	MW-94-175-Q321	N		GW	9/22/2021	24.4	199	14.9	16.6	< 1.0	< 2.0	-74.2
MW-99-060	MW-99-060-Q321	N		GW	9/23/2021	--	--	--	--	--	--	-71.8
MW-99-140	MW-99-140-Q321	N		GW	9/23/2021	--	--	--	--	--	--	-73.3
PGE-09S	PGE-09S-Q321	N		GW	9/21/2021	152	3,360	< 1.0	< 10	< 10	< 20	-78.2
SITE B	SITE B-165-Q321	N		GW	9/21/2021	35.7	318	29.9	32.9	< 1.0	< 2.0	-76.3
SITE B	SITE B-220-Q321	N		GW	9/21/2021	36.5	325	30	34.1	< 1.0	< 2.0	-75.2
SITE B	SITE B-285-Q321	N		GW	9/21/2021	36.6	336	27.9	33.1	< 1.0	< 2.0	-74.5
TOPOCK-2	TOPOCK-2-Q321	N		GW	9/20/2021	37	343	11.8	13	< 1.0	4.67	-72.6
TOPOCK-3	TOPOCK-3-Q321	N		GW	9/20/2021	30.1	333	14.2	14.9	< 1.0	11	-72.8

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Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Fluoride by Method EPA 300.0 (mg/L)	Iron, dissolved by Method SW 6020A (µg/L)	Lead, dissolved by Method SW 6020A (µg/L)	Magnesium, dissolved by Method SW 6020A (mg/L)	Manganese, dissolved by Method SW 6020A (µg/L)	Mercury, dissolved by Method EPA 7470A (µg/L)	Molybdenum, dissolved by Method SW 6020A (µg/L)
HNWR-01A	HNWR-01A-098-Q321	N		GW	9/21/2021	4.45	110	< 1.0	2.13	< 10	< 0.50	15
HNWR-01A	HNWR-01A-174-Q321	N		GW	9/21/2021	4.48	< 100	< 1.0	2.01	< 10	< 0.50	15.8
MARINA-1	MARINA-1-Q321	N		GW	9/20/2021	3.28	< 1000	< 10	10.4	< 100	< 0.50	61.4
MTS-1	MTS-1-Q321	N		GW	9/22/2021	5.25	< 100	< 1.0	2.84	< 10	< 0.50	19.5
MTS-2	MTS-2-Q321	N		GW	9/22/2021	5.1	< 100	< 1.0	2.82	< 10	< 0.50	19.1
MW-94-030	MW-94-030-Q321	N		GW	9/22/2021	3.95	< 100	< 1.0	11	< 10	< 0.50	14.5
MW-94-100	MW-94-100-Q321	N		GW	9/22/2021	3.39	< 100	< 1.0	6.05	< 10	< 0.50	20.7
MW-94-100	MW-933-Q321	FD	MW-94-100-Q321	GW	9/22/2021	3.35	< 100	< 1.0	6.02	< 10	< 0.50	20.3
MW-94-175	MW-94-175-Q321	N		GW	9/22/2021	4	< 100	< 1.0	1.45	< 10	< 0.50	10.9
MW-99-060	MW-99-060-Q321	N		GW	9/23/2021	--	--	--	--	--	--	--
MW-99-140	MW-99-140-Q321	N		GW	9/23/2021	--	--	--	--	--	--	--
PGE-09S	PGE-09S-Q321	N		GW	9/21/2021	1.7	13,600	< 10	113	461	< 0.50	30.2
SITE B	SITE B-165-Q321	N		GW	9/21/2021	4.25	< 100		6.87	< 10	< 0.50	13
SITE B	SITE B-220-Q321	N		GW	9/21/2021	4.22	< 100	< 1.0	6.94	< 10	< 0.50	14.3
SITE B	SITE B-285-Q321	N		GW	9/21/2021	4.23	< 100	< 1.0	7.1	< 10	< 0.50	16.3
TOPOCK-2	TOPOCK-2-Q321	N		GW	9/20/2021	4.22	< 100	< 1.0	4.2	< 10	< 0.50	19.1
TOPOCK-3	TOPOCK-3-Q321	N		GW	9/20/2021	4.21	< 100	< 1.0	4.1	< 10	< 0.50	16.3

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Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Nickel, dissolved by Method SW 6020A (µg/L)	Nitrate by Method EPA 300.0 (mg/L)	Oxygen 18 by Method CFIRM (0/00)	Potassium, dissolved by Method SW 6020A (mg/L)	Selenium, dissolved by Method SW 6020A (µg/L)	Silver, dissolved by Method SW 6020A (µg/L)	Sodium, dissolved by Method SW 6020A (mg/L)
HNWR-01A	HNWR-01A-098-Q321	N		GW	9/21/2021	16.1	2.15	-10.06	7.1	< 1.0	< 1.0	435
HNWR-01A	HNWR-01A-174-Q321	N		GW	9/21/2021	22.3	2.19	-10.07	6.8	< 1.0	< 1.0	396
MARINA-1	MARINA-1-Q321	N		GW	9/20/2021	< 10	< 2.0	-10.19	51.3	< 10	< 10	5,360
MTS-1	MTS-1-Q321	N		GW	9/22/2021	< 1.0	1.75	-10.07	7.94	< 1.0	< 1.0	404
MTS-2	MTS-2-Q321	N		GW	9/22/2021	< 1.0	1.76	-10.06	7.87	< 1.0	< 1.0	400
MW-94-030	MW-94-030-Q321	N		GW	9/22/2021	< 1.0	3.33	-9.59	6.45	3.72	< 1.0	225
MW-94-100	MW-94-100-Q321	N		GW	9/22/2021	< 1.0	1.99	-9.77	6.9	< 1.0	< 1.0	273
MW-94-100	MW-933-Q321	FD	MW-94-100-Q321	GW	9/22/2021	< 1.0	1.94	-9.79	6.74	< 1.0	< 1.0	258
MW-94-175	MW-94-175-Q321	N		GW	9/22/2021	< 1.0	2.32	-10.06	5.49	< 1.0	< 1.0	189
MW-99-060	MW-99-060-Q321	N		GW	9/23/2021	--	--	-9.62	--	--	--	--
MW-99-140	MW-99-140-Q321	N		GW	9/23/2021	--	--	-9.88	--	--	--	--
PGE-09S	PGE-09S-Q321	N		GW	9/21/2021	< 10	< 1.0	-10.04	15.1	< 10	< 10	2,300
SITE B	SITE B-165-Q321	N		GW	9/21/2021	37.7	2.43	-10.2	5.65	1.05	< 1.0	227
SITE B	SITE B-220-Q321	N		GW	9/21/2021	29.8	2.5	-10.21	5.72	1.12	< 1.0	231
SITE B	SITE B-285-Q321	N		GW	9/21/2021	32.4	2.37	-10.22	5.78	1.14	< 1.0	234
TOPOCK-2	TOPOCK-2-Q321	N		GW	9/20/2021	< 1.0	2.09	-9.83	6.71	< 1.0	< 1.0	259
TOPOCK-3	TOPOCK-3-Q321	N		GW	9/20/2021	< 1.0	2.25	-9.88	5.67	< 1.0	< 1.0	203

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Location ID	Sample ID	Sample Type	Parent Sample Code	Matrix	Sample Date	Sulfate by Method EPA 300.0 (mg/L)	Thallium, dissolved by Method SW 6020A (µg/L)	Total dissolved solids by Method A2540C (mg/L)	Vanadium, dissolved by Method SW 6020A (µg/L)	Zinc, dissolved by Method SW 6020A (µg/L)
HNWR-01A	HNWR-01A-098-Q321	N		GW	9/21/2021	76.8	< 1.0	1,120	18.5	< 20
HNWR-01A	HNWR-01A-174-Q321	N		GW	9/21/2021	78.3	< 1.0	1,070	16.2	< 20
MARINA-1	MARINA-1-Q321	N		GW	9/20/2021	653	< 10	19,400	< 10	< 200
MTS-1	MTS-1-Q321	N		GW	9/22/2021	129	< 1.0	1,090	9.65	20.7
MTS-2	MTS-2-Q321	N		GW	9/22/2021	124	< 1.0	1,120	11.8	< 20
MW-94-030	MW-94-030-Q321	N		GW	9/22/2021	163	< 1.0	793	15.4	< 20
MW-94-100	MW-94-100-Q321	N		GW	9/22/2021	99.7	< 1.0	860	16.2	< 20
MW-94-100	MW-933-Q321	FD	MW-94-100-Q321	GW	9/22/2021	101	< 1.0	798	16.2	< 20
MW-94-175	MW-94-175-Q321	N		GW	9/22/2021	63.1	< 1.0	521	17.3	< 20
MW-99-060	MW-99-060-Q321	N		GW	9/23/2021	--	--	--	--	--
MW-99-140	MW-99-140-Q321	N		GW	9/23/2021	--	--	--	--	--
PGE-09S	PGE-09S-Q321	N		GW	9/21/2021	983	< 10	6,300	< 10	< 200
SITE B	SITE B-165-Q321	N		GW	9/21/2021	73	< 1.0	699	20.3	< 20
SITE B	SITE B-220-Q321	N		GW	9/21/2021	73.9	< 1.0	737	15.6	< 20
SITE B	SITE B-285-Q321	N		GW	9/21/2021	76.5	< 1.0	728	14.2	< 20
TOPOCK-2	TOPOCK-2-Q321	N		GW	9/20/2021	83.9	< 1.0	765	17.9	26.9
TOPOCK-3	TOPOCK-3-Q321	N		GW	9/20/2021	72	< 1.0	549	18.1	34.2

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