

APPENDIX C

Mann-Kendall Results

APPENDIX C
MANN-KENDALL RESULTS
San Juan Basin Water Quality Analysis Project

Well ID	Analyte	S	N	Probability	Trend	Significance
14	ALK, Total	-4	4	0.167	Decreasing	FALSE
14	Ca	0	4	0.625	No Trend	FALSE
14	HCO3	-2	4	0.375	Decreasing	FALSE
14	K	0	4	0.625	No Trend	FALSE
14	Methane	0	4	0.625	No Trend	FALSE
14	Mg	0	4	0.625	No Trend	FALSE
14	Na	2	4	0.375	Increasing	FALSE
14	pH, Lab	2	4	0.375	Increasing	FALSE
14	SO4	-2	4	0.375	Decreasing	FALSE
14	TDS	-3	4	0.271	Decreasing	FALSE
18	Ca	7	7	0.191	Increasing	FALSE
18	Cl	0	4	0.625	No Trend	FALSE
18	K	0	4	0.625	No Trend	FALSE
18	Methane	0	4	0.625	No Trend	FALSE
18	Mg	0	4	0.625	No Trend	FALSE
18	Na	-1	7	0.5	Decreasing	FALSE
18	pH, Lab	-5	7	0.281	Decreasing	FALSE
18	SO4	-3	4	0.271	Decreasing	FALSE
18	TDS	-17	7	0.005	Decreasing	TRUE
23	Ca	9	6	0.068	Increasing	FALSE
23	Cl	-4	6	0.298	Decreasing	FALSE
23	K	1	4	0.5	Increasing	FALSE
23	Methane	0	4	0.625	No Trend	FALSE
23	Mg	7	6	0.136	Increasing	FALSE
23	Na	-1	6	0.5	Decreasing	FALSE
23	pH, Lab	-10	6	0.048	Decreasing	TRUE
23	SO4	8	6	0.102	Increasing	FALSE
23	TDS	-1	6	0.5	Decreasing	FALSE
25	Ca	4	6	0.298	Increasing	FALSE
25	Cl	-8	6	0.102	Decreasing	FALSE
25	Na	5	6	0.235	Increasing	FALSE
25	pH, Lab	7	5	0.08	Increasing	FALSE
25	SO4	-3	6	0.36	Decreasing	FALSE
25	TDS	-3	6	0.36	Decreasing	FALSE
26	Ca	4	4	0.167	Increasing	FALSE
26	Cl	-5	4	0.105	Decreasing	FALSE
26	Methane	4	4	0.167	Increasing	FALSE
26	Na	-1	4	0.5	Decreasing	FALSE
26	pH, Lab	-6	4	0.042	Decreasing	TRUE
26	SO4	5	4	0.105	Increasing	FALSE
26	TDS	-2	4	0.375	Decreasing	FALSE
30	Ca	7	5	0.08	Increasing	FALSE
30	Cl	0	5	0.592	No Trend	FALSE
30	K	0	4	0.625	No Trend	FALSE
30	Methane	-4	4	0.167	Decreasing	FALSE
30	Mg	3	4	0.271	Increasing	FALSE
30	Na	4	5	0.242	Increasing	FALSE
30	pH, Lab	0	5	0.592	No Trend	FALSE
30	TDS	-3	5	0.325	Decreasing	FALSE
54	Ca	6	4	0.042	Increasing	TRUE
54	Cl	0	4	0.625	No Trend	FALSE
54	HCO3	6	4	0.042	Increasing	TRUE
54	K	-3	4	0.271	Decreasing	FALSE
54	Mg	4	4	0.167	Increasing	FALSE

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54	Na	2	4	0.375	Increasing	FALSE
54	pH, Lab	-6	4	0.042	Decreasing	TRUE
54	SO4	-1	4	0.5	Decreasing	FALSE
54	TDS	-3	4	0.271	Decreasing	FALSE
56	Ca	-4	4	0.167	Decreasing	FALSE
56	Cl	-3	4	0.271	Decreasing	FALSE
56	HCO3	-5	4	0.105	Decreasing	FALSE
56	K	-3	4	0.271	Decreasing	FALSE
56	Mg	-3	4	0.271	Decreasing	FALSE
56	Na	-4	4	0.167	Decreasing	FALSE
56	pH, Lab	-2	4	0.375	Decreasing	FALSE
56	SO4	-1	4	0.5	Decreasing	FALSE
56	TDS	-6	4	0.042	Decreasing	TRUE
57	Cl	-4	4	0.167	Decreasing	FALSE
57	pH, Lab	0	4	0.625	No Trend	FALSE
57	SO4	-4	4	0.167	Decreasing	FALSE
57	TDS	-5	4	0.105	Decreasing	FALSE
62	Methane	2	4	0.375	Increasing	FALSE
72	Ca	-4	4	0.167	Decreasing	FALSE
72	Cl	-4	4	0.167	Decreasing	FALSE
72	K	1	4	0.5	Increasing	FALSE
72	Mg	-6	4	0.042	Decreasing	TRUE
72	Na	-4	4	0.167	Decreasing	FALSE
72	pH, Lab	6	4	0.042	Increasing	TRUE
72	SO4	-6	4	0.042	Decreasing	TRUE
72	TDS	-4	4	0.167	Decreasing	FALSE
79	Ca	1	4	0.5	Increasing	FALSE
79	Cl	-4	4	0.167	Decreasing	FALSE
79	K	0	4	0.625	No Trend	FALSE
79	Methane	-2	4	0.375	Decreasing	FALSE
79	Mg	1	4	0.5	Increasing	FALSE
79	Na	-2	5	0.408	Decreasing	FALSE
79	pH, Lab	4	5	0.242	Increasing	FALSE
79	SO4	-6	5	0.117	Decreasing	FALSE
79	TDS	-7	5	0.08	Decreasing	FALSE
80	Ca	5	5	0.18	Increasing	FALSE
80	Cl	-1	4	0.5	Decreasing	FALSE
80	K	0	4	0.625	No Trend	FALSE
80	Mg	7	5	0.08	Increasing	FALSE
80	Na	-2	5	0.408	Decreasing	FALSE
80	pH, Lab	-10	5	0.008	Decreasing	TRUE
80	SO4	1	5	0.5	Increasing	FALSE
80	TDS	-5	5	0.18	Decreasing	FALSE
83	Ca	0	4	0.625	No Trend	FALSE
83	Cl	0	4	0.625	No Trend	FALSE
83	HCO3	6	4	0.042	Increasing	TRUE
83	K	-6	4	0.042	Decreasing	TRUE
83	Mg	-2	4	0.375	Decreasing	FALSE
83	Na	4	4	0.167	Increasing	FALSE
83	pH, Lab	-3	4	0.271	Decreasing	FALSE
83	SO4	-1	4	0.5	Decreasing	FALSE
83	TDS	-2	4	0.375	Decreasing	FALSE
86	Ca	3	5	0.325	Increasing	FALSE
86	Cl	-4	5	0.242	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
86	Na	2	5	0.408	Increasing	FALSE
86	pH, Lab	0	5	0.592	No Trend	FALSE
86	TDS	-8	5	0.042	Decreasing	TRUE
91	Ca	0	4	0.625	No Trend	FALSE
91	Cl	4	4	0.167	Increasing	FALSE
91	K	-5	4	0.105	Decreasing	FALSE
91	Methane	6	4	0.042	Increasing	TRUE
91	Mg	-1	4	0.5	Decreasing	FALSE
91	Na	0	4	0.625	No Trend	FALSE
91	pH, Lab	-1	4	0.5	Decreasing	FALSE
91	SO4	-1	4	0.5	Decreasing	FALSE
91	TDS	2	4	0.375	Increasing	FALSE
95	Ca	-4	4	0.167	Decreasing	FALSE
95	Mg	-6	4	0.042	Decreasing	TRUE
95	Na	0	4	0.625	No Trend	FALSE
95	pH, Lab	1	4	0.5	Increasing	FALSE
95	SO4	-4	4	0.167	Decreasing	FALSE
95	TDS	-6	4	0.042	Decreasing	TRUE
97	Methane	-2	4	0.375	Decreasing	FALSE
108	Ca	2	4	0.375	Increasing	FALSE
108	Cl	-1	4	0.5	Decreasing	FALSE
108	K	3	4	0.271	Increasing	FALSE
108	Methane	-2	4	0.375	Decreasing	FALSE
108	Mg	2	4	0.375	Increasing	FALSE
108	Na	4	4	0.167	Increasing	FALSE
108	pH, Lab	2	4	0.375	Increasing	FALSE
108	SO4	-1	4	0.5	Decreasing	FALSE
108	TDS	-1	4	0.5	Decreasing	FALSE
112	Ca	-2	4	0.375	Decreasing	FALSE
112	Cl	1	4	0.5	Increasing	FALSE
112	CO3	-5	4	0.105	Decreasing	FALSE
112	HCO3	2	4	0.375	Increasing	FALSE
112	K	-3	4	0.271	Decreasing	FALSE
112	Mg	0	4	0.625	No Trend	FALSE
112	Na	-1	4	0.5	Decreasing	FALSE
112	pH, Lab	-3	5	0.325	Decreasing	FALSE
112	SO4	-3	4	0.271	Decreasing	FALSE
112	TDS	-4	4	0.167	Decreasing	FALSE
116	Ca	0	5	0.592	No Trend	FALSE
116	Cl	2	5	0.408	Increasing	FALSE
116	HCO3	-3	4	0.271	Decreasing	FALSE
116	K	-6	4	0.042	Decreasing	TRUE
116	Mg	-1	5	0.5	Decreasing	FALSE
116	Na	0	5	0.592	No Trend	FALSE
116	pH, Lab	2	5	0.408	Increasing	FALSE
116	SO4	-4	5	0.242	Decreasing	FALSE
116	TDS	-6	5	0.117	Decreasing	FALSE
120	Ca	0	5	0.592	No Trend	FALSE
120	Cl	-1	5	0.5	Decreasing	FALSE
120	K	-6	5	0.117	Decreasing	FALSE
120	Methane	1	4	0.5	Increasing	FALSE
120	Mg	-4	5	0.242	Decreasing	FALSE
120	Na	-4	5	0.242	Decreasing	FALSE
120	pH, Lab	4	5	0.242	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
120	SO4	-4	5	0.242	Decreasing	FALSE
120	TDS	-4	5	0.242	Decreasing	FALSE
121	Ca	4	4	0.167	Increasing	FALSE
121	Cl	4	4	0.167	Increasing	FALSE
121	K	1	4	0.5	Increasing	FALSE
121	Na	0	4	0.625	No Trend	FALSE
121	SO4	4	4	0.167	Increasing	FALSE
121	TDS	1	4	0.5	Increasing	FALSE
130	Ca	-4	4	0.167	Decreasing	FALSE
130	Cl	-2	4	0.375	Decreasing	FALSE
130	CO3	-4	4	0.167	Decreasing	FALSE
130	HCO3	0	4	0.625	No Trend	FALSE
130	K	0	4	0.625	No Trend	FALSE
130	Mg	0	4	0.625	No Trend	FALSE
130	Na	-2	4	0.375	Decreasing	FALSE
130	pH, Lab	4	4	0.167	Increasing	FALSE
130	SO4	-4	4	0.167	Decreasing	FALSE
130	TDS	-6	4	0.042	Decreasing	TRUE
137	Cl	-2	4	0.375	Decreasing	FALSE
137	pH, Lab	-1	4	0.5	Decreasing	FALSE
137	SO4	0	4	0.625	No Trend	FALSE
137	TDS	-4	4	0.167	Decreasing	FALSE
139	Cl	0	4	0.625	No Trend	FALSE
139	K	0	4	0.625	No Trend	FALSE
139	Mg	-3	4	0.271	Decreasing	FALSE
142	Ca	-1	4	0.5	Decreasing	FALSE
142	Cl	0	4	0.625	No Trend	FALSE
142	K	-3	4	0.271	Decreasing	FALSE
142	Mg	-5	4	0.105	Decreasing	FALSE
142	Na	4	4	0.167	Increasing	FALSE
142	pH, Lab	2	4	0.375	Increasing	FALSE
142	SO4	0	4	0.625	No Trend	FALSE
142	TDS	-4	4	0.167	Decreasing	FALSE
147	Ca	-17	7	0.005	Decreasing	TRUE
147	Cl	-3	4	0.271	Decreasing	FALSE
147	Methane	-4	4	0.167	Decreasing	FALSE
147	Mg	-10	6	0.048	Decreasing	TRUE
147	Na	5	7	0.281	Increasing	FALSE
147	pH, Lab	15	7	0.015	Increasing	TRUE
147	SO4	-7	5	0.08	Decreasing	FALSE
147	TDS	-11	7	0.068	Decreasing	FALSE
150	Ca	8	5	0.042	Increasing	TRUE
150	Mg	6	5	0.117	Increasing	FALSE
150	Na	0	5	0.592	No Trend	FALSE
150	pH, Lab	-4	5	0.242	Decreasing	FALSE
150	SO4	8	5	0.042	Increasing	TRUE
150	TDS	5	5	0.18	Increasing	FALSE
156	Ca	6	5	0.117	Increasing	FALSE
156	Cl	-7	5	0.08	Decreasing	FALSE
156	K	-1	5	0.5	Decreasing	FALSE
156	Methane	0	4	0.625	No Trend	FALSE
156	Mg	4	5	0.242	Increasing	FALSE
156	Na	-1	5	0.5	Decreasing	FALSE
156	pH, Lab	-4	5	0.242	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
156	SO4	2	5	0.408	Increasing	FALSE
156	TDS	0	5	0.592	No Trend	FALSE
158	Cl	-3	4	0.271	Decreasing	FALSE
158	K	-2	4	0.375	Decreasing	FALSE
158	Na	0	4	0.625	No Trend	FALSE
158	pH, Lab	-1	4	0.5	Decreasing	FALSE
158	SO4	0	4	0.625	No Trend	FALSE
158	TDS	0	4	0.625	No Trend	FALSE
163	Ca	-2	5	0.408	Decreasing	FALSE
163	Cl	-4	5	0.242	Decreasing	FALSE
163	K	-7	5	0.08	Decreasing	FALSE
163	Methane	0	5	0.592	No Trend	FALSE
163	Mg	-2	5	0.408	Decreasing	FALSE
163	Na	-4	5	0.242	Decreasing	FALSE
163	pH, Lab	3	5	0.325	Increasing	FALSE
163	SO4	-2	5	0.408	Decreasing	FALSE
163	TDS	-3	5	0.325	Decreasing	FALSE
166	ALK, Total	8	5	0.042	Increasing	TRUE
166	Ca	-9	7	0.119	Decreasing	FALSE
166	Cl	-8	7	0.155	Decreasing	FALSE
166	CO3	0	5	0.592	No Trend	FALSE
166	HCO3	8	5	0.042	Increasing	TRUE
166	K	-13	7	0.035	Decreasing	TRUE
166	Mg	-3	6	0.36	Decreasing	FALSE
166	Na	-7	7	0.191	Decreasing	FALSE
166	pH, Lab	1	7	0.5	Increasing	FALSE
166	SO4	-3	7	0.386	Decreasing	FALSE
166	TDS	-7	7	0.191	Decreasing	FALSE
177	Ca	-4	5	0.242	Decreasing	FALSE
177	Cl	-4	5	0.242	Decreasing	FALSE
177	K	3	5	0.325	Increasing	FALSE
177	Mg	0	5	0.592	No Trend	FALSE
177	Na	-8	5	0.042	Decreasing	TRUE
177	pH, Lab	-2	5	0.408	Decreasing	FALSE
177	SO4	-6	5	0.117	Decreasing	FALSE
177	TDS	-4	4	0.167	Decreasing	FALSE
182	ALK, Total	-1	4	0.5	Decreasing	FALSE
182	Ca	3	5	0.325	Increasing	FALSE
182	Cl	7	5	0.08	Increasing	FALSE
182	CO3	0	4	0.625	No Trend	FALSE
182	HCO3	-5	4	0.105	Decreasing	FALSE
182	K	-4	5	0.242	Decreasing	FALSE
182	Mg	3	5	0.325	Increasing	FALSE
182	Na	-1	5	0.5	Decreasing	FALSE
182	pH, Lab	4	4	0.167	Increasing	FALSE
182	SO4	1	5	0.5	Increasing	FALSE
182	TDS	-3	5	0.325	Decreasing	FALSE
185	Ca	-7	6	0.136	Decreasing	FALSE
185	Cl	-7	6	0.136	Decreasing	FALSE
185	HCO3	-3	6	0.36	Decreasing	FALSE
185	K	9	6	0.068	Increasing	FALSE
185	Mg	10	6	0.048	Increasing	TRUE
185	Na	-3	6	0.36	Decreasing	FALSE
185	pH, Lab	-5	6	0.235	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
185	SO4	5	6	0.235	Increasing	FALSE
185	TDS	-3	5	0.325	Decreasing	FALSE
201	ALK, Total	-3	4	0.271	Decreasing	FALSE
201	Ca	0	5	0.592	No Trend	FALSE
201	Cl	6	5	0.117	Increasing	FALSE
201	CO3	-3	4	0.271	Decreasing	FALSE
201	HCO3	0	4	0.625	No Trend	FALSE
201	K	5	5	0.18	Increasing	FALSE
201	Methane	0	5	0.592	No Trend	FALSE
201	Mg	4	5	0.242	Increasing	FALSE
201	Na	-4	5	0.242	Decreasing	FALSE
201	pH, Lab	3	5	0.325	Increasing	FALSE
201	SO4	-4	5	0.242	Decreasing	FALSE
201	TDS	7	5	0.08	Increasing	FALSE
219	Ca	6	4	0.042	Increasing	TRUE
219	K	2	4	0.375	Increasing	FALSE
219	Mg	4	4	0.167	Increasing	FALSE
219	Na	-2	4	0.375	Decreasing	FALSE
219	pH, Lab	-6	4	0.042	Decreasing	TRUE
219	SO4	-6	4	0.042	Decreasing	TRUE
219	TDS	-4	4	0.167	Decreasing	FALSE
227	Ca	2	8	0.452	Increasing	FALSE
227	Cl	-4	7	0.334	Decreasing	FALSE
227	K	-10	7	0.094	Decreasing	FALSE
227	Methane	-3	6	0.36	Decreasing	FALSE
227	Mg	-2	7	0.443	Decreasing	FALSE
227	Na	-2	8	0.452	Decreasing	FALSE
227	pH, Lab	-22	9	0.012	Decreasing	TRUE
227	SO4	-4	8	0.36	Decreasing	FALSE
227	TDS	-7	9	0.272	Decreasing	FALSE
229	Ca	-2	5	0.408	Decreasing	FALSE
229	Cl	-10	5	0.008	Decreasing	TRUE
229	HCO3	-6	4	0.042	Decreasing	TRUE
229	K	-2	5	0.408	Decreasing	FALSE
229	Mg	-2	5	0.408	Decreasing	FALSE
229	Na	0	5	0.592	No Trend	FALSE
229	pH, Lab	4	4	0.167	Increasing	FALSE
229	SO4	-2	5	0.408	Decreasing	FALSE
229	TDS	-4	5	0.242	Decreasing	FALSE
234	Ca	4	4	0.167	Increasing	FALSE
234	Cl	6	4	0.042	Increasing	TRUE
234	Na	6	4	0.042	Increasing	TRUE
234	pH, Lab	-2	4	0.375	Decreasing	FALSE
234	SO4	2	4	0.375	Increasing	FALSE
234	TDS	-2	4	0.375	Decreasing	FALSE
236	Ca	-8	5	0.042	Decreasing	TRUE
236	Cl	-7	5	0.08	Decreasing	FALSE
236	CO3	1	5	0.5	Increasing	FALSE
236	HCO3	-9	5	0.025	Decreasing	TRUE
236	K	-4	5	0.242	Decreasing	FALSE
236	Mg	0	5	0.592	No Trend	FALSE
236	Na	-2	5	0.408	Decreasing	FALSE
236	pH, Lab	8	5	0.042	Increasing	TRUE
236	SO4	-7	5	0.08	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
236	TDS	-8	5	0.042	Decreasing	TRUE
237	Ca	-4	4	0.167	Decreasing	FALSE
237	Cl	-2	4	0.375	Decreasing	FALSE
237	CO3	-4	4	0.167	Decreasing	FALSE
237	HCO3	3	4	0.271	Increasing	FALSE
237	K	0	4	0.625	No Trend	FALSE
237	Mg	1	4	0.5	Increasing	FALSE
237	Na	-2	4	0.375	Decreasing	FALSE
237	pH, Lab	0	4	0.625	No Trend	FALSE
237	SO4	0	4	0.625	No Trend	FALSE
237	TDS	-6	4	0.042	Decreasing	TRUE
238	Ca	-4	4	0.167	Decreasing	FALSE
238	Cl	4	4	0.167	Increasing	FALSE
238	HCO3	-4	4	0.167	Decreasing	FALSE
238	K	-5	4	0.105	Decreasing	FALSE
238	Mg	-4	4	0.167	Decreasing	FALSE
238	Na	2	4	0.375	Increasing	FALSE
238	pH, Lab	4	4	0.167	Increasing	FALSE
238	SO4	-6	4	0.042	Decreasing	TRUE
238	TDS	-4	4	0.167	Decreasing	FALSE
239	Ca	0	4	0.625	No Trend	FALSE
239	Cl	-1	4	0.5	Decreasing	FALSE
239	HCO3	-4	4	0.167	Decreasing	FALSE
239	K	0	4	0.625	No Trend	FALSE
239	Mg	-4	4	0.167	Decreasing	FALSE
239	Na	4	4	0.167	Increasing	FALSE
239	pH, Lab	-4	4	0.167	Decreasing	FALSE
239	SO4	3	4	0.271	Increasing	FALSE
239	TDS	-6	4	0.042	Decreasing	TRUE
240	Ca	1	5	0.5	Increasing	FALSE
240	Cl	-7	5	0.08	Decreasing	FALSE
240	HCO3	1	5	0.5	Increasing	FALSE
240	K	-4	5	0.242	Decreasing	FALSE
240	Mg	7	5	0.08	Increasing	FALSE
240	Na	3	5	0.325	Increasing	FALSE
240	pH, Lab	-6	4	0.042	Decreasing	TRUE
240	SO4	-3	5	0.325	Decreasing	FALSE
240	TDS	-6	5	0.117	Decreasing	FALSE
241	Ca	11	6	0.028	Increasing	TRUE
241	Cl	11	6	0.028	Increasing	TRUE
241	CO3	-10	7	0.094	Decreasing	FALSE
241	HCO3	9	6	0.068	Increasing	FALSE
241	K	0	7	-8888	No Trend	TRUE
241	Mg	0	7	-8888	No Trend	TRUE
241	Na	8	6	0.102	Increasing	FALSE
241	pH, Lab	-3	6	0.36	Decreasing	FALSE
241	SO4	2	6	0.43	Increasing	FALSE
241	TDS	-7	6	0.136	Decreasing	FALSE
242	Ca	-8	5	0.042	Decreasing	TRUE
242	Cl	-4	4	0.167	Decreasing	FALSE
242	K	-8	5	0.042	Decreasing	TRUE
242	Methane	7	5	0.08	Increasing	FALSE
242	Mg	-4	5	0.242	Decreasing	FALSE
242	Na	-6	5	0.117	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
242	pH, Lab	4	5	0.242	Increasing	FALSE
242	SO4	-2	5	0.408	Decreasing	FALSE
242	TDS	-10	5	0.008	Decreasing	TRUE
251	Ca	-2	5	0.408	Decreasing	FALSE
251	Cl	-2	5	0.408	Decreasing	FALSE
251	K	0	5	0.592	No Trend	FALSE
251	Mg	0	5	0.592	No Trend	FALSE
251	Na	2	5	0.408	Increasing	FALSE
251	pH, Lab	-4	5	0.242	Decreasing	FALSE
251	SO4	10	5	0.008	Increasing	TRUE
251	TDS	-2	5	0.408	Decreasing	FALSE
256	ALK, Total	0	4	0.625	No Trend	FALSE
256	Ca	0	4	0.625	No Trend	FALSE
256	K	0	4	0.625	No Trend	FALSE
256	Methane	0	4	0.625	No Trend	FALSE
256	Mg	0	4	0.625	No Trend	FALSE
256	Na	4	4	0.167	Increasing	FALSE
256	pH, Lab	2	4	0.375	Increasing	FALSE
256	SO4	-4	4	0.167	Decreasing	FALSE
256	TDS	-4	4	0.167	Decreasing	FALSE
257	ALK, Total	-4	4	0.167	Decreasing	FALSE
257	Ca	-2	4	0.375	Decreasing	FALSE
257	Cl	-1	4	0.5	Decreasing	FALSE
257	HCO3	-6	4	0.042	Decreasing	TRUE
257	K	1	4	0.5	Increasing	FALSE
257	Methane	-4	4	0.167	Decreasing	FALSE
257	Mg	0	4	0.625	No Trend	FALSE
257	Na	-5	4	0.105	Decreasing	FALSE
257	pH, Lab	4	4	0.167	Increasing	FALSE
257	SO4	-3	4	0.271	Decreasing	FALSE
257	TDS	-2	4	0.375	Decreasing	FALSE
258	ALK, Total	-7	5	0.08	Decreasing	FALSE
258	Ca	-2	5	0.408	Decreasing	FALSE
258	Cl	-2	5	0.408	Decreasing	FALSE
258	HCO3	-10	5	0.008	Decreasing	TRUE
258	K	-2	5	0.408	Decreasing	FALSE
258	Methane	0	4	0.625	No Trend	FALSE
258	Mg	2	5	0.408	Increasing	FALSE
258	Na	-6	5	0.117	Decreasing	FALSE
258	pH, Lab	-1	5	0.5	Decreasing	FALSE
258	SO4	-8	5	0.042	Decreasing	TRUE
258	TDS	2	5	0.408	Increasing	FALSE
261	ALK, Total	-6	4	0.042	Decreasing	TRUE
261	Ca	0	4	0.625	No Trend	FALSE
261	Cl	-1	4	0.5	Decreasing	FALSE
261	K	-3	4	0.271	Decreasing	FALSE
261	Methane	1	4	0.5	Increasing	FALSE
261	Mg	1	4	0.5	Increasing	FALSE
261	Na	2	4	0.375	Increasing	FALSE
261	pH, Lab	0	4	0.625	No Trend	FALSE
261	SO4	-3	4	0.271	Decreasing	FALSE
261	TDS	-4	4	0.167	Decreasing	FALSE
262	ALK, Total	5	4	0.105	Increasing	FALSE
262	Ca	-4	5	0.242	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
262	Cl	-6	4	0.042	Decreasing	TRUE
262	K	2	5	0.408	Increasing	FALSE
262	Methane	-1	5	0.5	Decreasing	FALSE
262	Mg	0	5	0.592	No Trend	FALSE
262	Na	0	5	0.592	No Trend	FALSE
262	pH, Lab	4	5	0.242	Increasing	FALSE
262	SO4	0	5	0.592	No Trend	FALSE
262	TDS	-6	5	0.117	Decreasing	FALSE
263	Methane	-7	6	0.136	Decreasing	FALSE
265	Methane	0	4	0.625	No Trend	FALSE
266	ALK, Total	0	5	0.592	No Trend	FALSE
266	Ca	0	5	0.592	No Trend	FALSE
266	Cl	3	4	0.271	Increasing	FALSE
266	CO3	-3	4	0.271	Decreasing	FALSE
266	HCO3	0	5	0.592	No Trend	FALSE
266	K	2	5	0.408	Increasing	FALSE
266	Methane	-5	5	0.18	Decreasing	FALSE
266	Mg	-2	5	0.408	Decreasing	FALSE
266	Na	2	5	0.408	Increasing	FALSE
266	pH, Lab	2	4	0.375	Increasing	FALSE
266	SO4	2	5	0.408	Increasing	FALSE
266	TDS	0	5	0.592	No Trend	FALSE
267	ALK, Total	-2	4	0.375	Decreasing	FALSE
267	Ca	2	4	0.375	Increasing	FALSE
267	HCO3	-4	4	0.167	Decreasing	FALSE
267	K	0	4	0.625	No Trend	FALSE
267	Methane	0	4	0.625	No Trend	FALSE
267	Mg	-6	4	0.042	Decreasing	TRUE
267	Na	0	4	0.625	No Trend	FALSE
267	pH, Lab	-2	4	0.375	Decreasing	FALSE
267	SO4	-6	4	0.042	Decreasing	TRUE
267	TDS	-5	4	0.105	Decreasing	FALSE
268	ALK, Total	6	4	0.042	Increasing	TRUE
268	Ca	0	4	0.625	No Trend	FALSE
268	K	3	4	0.271	Increasing	FALSE
268	Methane	-4	4	0.167	Decreasing	FALSE
268	Mg	3	4	0.271	Increasing	FALSE
268	Na	-4	4	0.167	Decreasing	FALSE
268	pH, Lab	-4	4	0.167	Decreasing	FALSE
268	SO4	-2	4	0.375	Decreasing	FALSE
268	TDS	-6	4	0.042	Decreasing	TRUE
269	ALK, Total	-1	4	0.5	Decreasing	FALSE
269	Ca	-1	4	0.5	Decreasing	FALSE
269	Cl	-5	4	0.105	Decreasing	FALSE
269	K	-4	4	0.167	Decreasing	FALSE
269	Methane	-2	5	0.408	Decreasing	FALSE
269	Mg	-1	4	0.5	Decreasing	FALSE
269	Na	-1	4	0.5	Decreasing	FALSE
269	pH, Lab	-1	4	0.5	Decreasing	FALSE
269	SO4	-5	4	0.105	Decreasing	FALSE
269	TDS	-4	4	0.167	Decreasing	FALSE
275	ALK, Total	3	4	0.271	Increasing	FALSE
275	Ca	15	7	0.015	Increasing	TRUE
275	Cl	12	6	0.018	Increasing	TRUE

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Well ID	Analyte	S	N	Probability	Trend	Significance
275	CO3	-1	6	0.5	Decreasing	FALSE
275	HCO3	3	6	0.36	Increasing	FALSE
275	K	5	6	0.235	Increasing	FALSE
275	Mg	-4	7	0.334	Decreasing	FALSE
275	Na	13	7	0.035	Increasing	TRUE
275	pH, Lab	9	7	0.119	Increasing	FALSE
275	SO4	0	7	-8888	No Trend	TRUE
275	TDS	-8	7	0.155	Decreasing	FALSE
278	ALK, Total	-9	5	0.025	Decreasing	TRUE
278	Ca	-7	5	0.08	Decreasing	FALSE
278	Cl	-3	4	0.271	Decreasing	FALSE
278	CO3	1	5	0.5	Increasing	FALSE
278	HCO3	-5	5	0.18	Decreasing	FALSE
278	K	-5	5	0.18	Decreasing	FALSE
278	Mg	0	5	0.592	No Trend	FALSE
278	Na	-8	5	0.042	Decreasing	TRUE
278	pH, Lab	-4	5	0.242	Decreasing	FALSE
278	SO4	0	5	0.592	No Trend	FALSE
278	TDS	-4	5	0.242	Decreasing	FALSE
279	Ca	-4	5	0.242	Decreasing	FALSE
279	Cl	3	5	0.325	Increasing	FALSE
279	K	0	5	0.592	No Trend	FALSE
279	Mg	-8	5	0.042	Decreasing	TRUE
279	Na	8	5	0.042	Increasing	TRUE
279	pH, Lab	8	5	0.042	Increasing	TRUE
279	SO4	6	5	0.117	Increasing	FALSE
279	TDS	4	5	0.242	Increasing	FALSE
501	Ca	4	4	0.167	Increasing	FALSE
501	Cl	4	4	0.167	Increasing	FALSE
501	Na	4	4	0.167	Increasing	FALSE
501	pH, Lab	4	4	0.167	Increasing	FALSE
501	SO4	6	4	0.042	Increasing	TRUE
501	TDS	0	4	0.625	No Trend	FALSE
506	Ca	-4	4	0.167	Decreasing	FALSE
506	Cl	-6	4	0.042	Decreasing	TRUE
506	K	-1	4	0.5	Decreasing	FALSE
506	Mg	-4	4	0.167	Decreasing	FALSE
506	Na	-4	4	0.167	Decreasing	FALSE
506	pH, Lab	-4	4	0.167	Decreasing	FALSE
506	SO4	-1	4	0.5	Decreasing	FALSE
506	TDS	-6	4	0.042	Decreasing	TRUE
507	Ca	-4	4	0.167	Decreasing	FALSE
507	K	-4	4	0.167	Decreasing	FALSE
507	Methane	0	4	0.625	No Trend	FALSE
507	Mg	-4	4	0.167	Decreasing	FALSE
507	Na	6	4	0.042	Increasing	TRUE
507	pH, Lab	2	4	0.375	Increasing	FALSE
507	SO4	4	4	0.167	Increasing	FALSE
507	TDS	4	4	0.167	Increasing	FALSE
508	Ca	4	5	0.242	Increasing	FALSE
508	Cl	2	4	0.375	Increasing	FALSE
508	K	3	5	0.325	Increasing	FALSE
508	Methane	0	5	0.592	No Trend	FALSE
508	Mg	2	5	0.408	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
508	Na	-2	5	0.408	Decreasing	FALSE
508	pH, Lab	-2	5	0.408	Decreasing	FALSE
508	SO4	4	5	0.242	Increasing	FALSE
508	TDS	2	5	0.408	Increasing	FALSE
509	Ca	0	4	0.625	No Trend	FALSE
509	Cl	2	4	0.375	Increasing	FALSE
509	K	2	4	0.375	Increasing	FALSE
509	Methane	1	4	0.5	Increasing	FALSE
509	Mg	0	4	0.625	No Trend	FALSE
509	pH, Lab	0	4	0.625	No Trend	FALSE
509	SO4	-4	4	0.167	Decreasing	FALSE
509	TDS	-5	4	0.105	Decreasing	FALSE
514	ALK, Total	-4	5	0.242	Decreasing	FALSE
514	Ca	5	6	0.235	Increasing	FALSE
514	Cl	4	5	0.242	Increasing	FALSE
514	HCO3	-4	4	0.167	Decreasing	FALSE
514	K	-6	6	0.186	Decreasing	FALSE
514	Methane	0	5	0.592	No Trend	FALSE
514	Mg	4	6	0.298	Increasing	FALSE
514	Na	3	6	0.36	Increasing	FALSE
514	pH, Lab	-9	6	0.068	Decreasing	FALSE
514	SO4	3	6	0.36	Increasing	FALSE
514	TDS	5	6	0.235	Increasing	FALSE
515	Ca	2	5	0.408	Increasing	FALSE
515	K	0	4	0.625	No Trend	FALSE
515	Mg	-1	4	0.5	Decreasing	FALSE
515	Na	10	5	0.008	Increasing	TRUE
515	pH, Lab	-4	5	0.242	Decreasing	FALSE
515	SO4	4	5	0.242	Increasing	FALSE
515	TDS	6	5	0.117	Increasing	FALSE
517	Ca	5	4	0.105	Increasing	FALSE
517	Cl	-4	4	0.167	Decreasing	FALSE
517	Na	2	4	0.375	Increasing	FALSE
517	pH, Lab	-2	4	0.375	Decreasing	FALSE
517	SO4	-6	4	0.042	Decreasing	TRUE
517	TDS	-4	4	0.167	Decreasing	FALSE
520	Ca	6	4	0.042	Increasing	TRUE
520	Cl	5	4	0.105	Increasing	FALSE
520	K	3	4	0.271	Increasing	FALSE
520	Methane	0	4	0.625	No Trend	FALSE
520	Mg	4	4	0.167	Increasing	FALSE
520	Na	0	4	0.625	No Trend	FALSE
520	pH, Lab	-2	4	0.375	Decreasing	FALSE
520	SO4	4	4	0.167	Increasing	FALSE
520	TDS	0	4	0.625	No Trend	FALSE
522	Ca	-3	4	0.271	Decreasing	FALSE
522	K	-1	4	0.5	Decreasing	FALSE
522	Methane	0	4	0.625	No Trend	FALSE
522	Mg	-4	4	0.167	Decreasing	FALSE
522	Na	0	4	0.625	No Trend	FALSE
522	pH, Lab	-6	4	0.042	Decreasing	TRUE
522	SO4	-4	4	0.167	Decreasing	FALSE
522	TDS	-4	4	0.167	Decreasing	FALSE
524	ALK, Total	2	4	0.375	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
524	Ca	6	5	0.117	Increasing	FALSE
524	Cl	-2	4	0.375	Decreasing	FALSE
524	CO3	0	5	0.592	No Trend	FALSE
524	HCO3	6	5	0.117	Increasing	FALSE
524	K	8	5	0.042	Increasing	TRUE
524	Methane	0	4	0.625	No Trend	FALSE
524	Mg	6	5	0.117	Increasing	FALSE
524	Na	-6	5	0.117	Decreasing	FALSE
524	pH, Lab	0	5	0.592	No Trend	FALSE
524	SO4	5	5	0.18	Increasing	FALSE
524	TDS	6	5	0.117	Increasing	FALSE
528	Ca	2	4	0.375	Increasing	FALSE
528	Cl	1	4	0.5	Increasing	FALSE
528	HCO3	-4	4	0.167	Decreasing	FALSE
528	K	-3	4	0.271	Decreasing	FALSE
528	Mg	4	4	0.167	Increasing	FALSE
528	Na	-4	4	0.167	Decreasing	FALSE
528	pH, Lab	-2	4	0.375	Decreasing	FALSE
528	SO4	-2	4	0.375	Decreasing	FALSE
528	TDS	-6	4	0.042	Decreasing	TRUE
532	ALK, Total	0	4	0.625	No Trend	FALSE
532	Ca	0	5	0.592	No Trend	FALSE
532	Cl	1	4	0.5	Increasing	FALSE
532	CO3	0	4	0.625	No Trend	FALSE
532	HCO3	0	4	0.625	No Trend	FALSE
532	K	2	5	0.408	Increasing	FALSE
532	Methane	-4	5	0.242	Decreasing	FALSE
532	Mg	0	5	0.592	No Trend	FALSE
532	Na	4	5	0.242	Increasing	FALSE
532	pH, Lab	-4	5	0.242	Decreasing	FALSE
532	SO4	3	5	0.325	Increasing	FALSE
532	TDS	4	5	0.242	Increasing	FALSE
538	ALK, Total	0	4	0.625	No Trend	FALSE
538	Ca	-2	4	0.375	Decreasing	FALSE
538	CO3	-3	4	0.271	Decreasing	FALSE
538	HCO3	2	4	0.375	Increasing	FALSE
538	K	-1	4	0.5	Decreasing	FALSE
538	Methane	0	5	0.592	No Trend	FALSE
538	Mg	-2	4	0.375	Decreasing	FALSE
538	Na	-2	4	0.375	Decreasing	FALSE
538	pH, Lab	-2	4	0.375	Decreasing	FALSE
538	SO4	-1	4	0.5	Decreasing	FALSE
538	TDS	-2	4	0.375	Decreasing	FALSE
540	Ca	0	4	0.625	No Trend	FALSE
540	Cl	-4	4	0.167	Decreasing	FALSE
540	K	-1	4	0.5	Decreasing	FALSE
540	Mg	0	4	0.625	No Trend	FALSE
540	Na	-4	4	0.167	Decreasing	FALSE
540	pH, Lab	0	4	0.625	No Trend	FALSE
540	SO4	-2	4	0.375	Decreasing	FALSE
540	TDS	2	4	0.375	Increasing	FALSE
544	Ca	1	5	0.5	Increasing	FALSE
544	Cl	5	5	0.18	Increasing	FALSE
544	K	0	5	0.592	No Trend	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
544	Methane	-5	5	0.18	Decreasing	FALSE
544	Mg	0	5	0.592	No Trend	FALSE
544	Na	0	5	0.592	No Trend	FALSE
544	pH, Lab	-6	5	0.117	Decreasing	FALSE
544	SO4	6	5	0.117	Increasing	FALSE
544	TDS	1	5	0.5	Increasing	FALSE
546	Ca	2	4	0.375	Increasing	FALSE
546	K	-1	4	0.5	Decreasing	FALSE
546	Methane	-3	4	0.271	Decreasing	FALSE
546	Na	-4	4	0.167	Decreasing	FALSE
546	pH, Lab	2	4	0.375	Increasing	FALSE
546	SO4	0	4	0.625	No Trend	FALSE
546	TDS	-2	4	0.375	Decreasing	FALSE
551	ALK, Total	-2	4	0.375	Decreasing	FALSE
551	Ca	2	4	0.375	Increasing	FALSE
551	Cl	-5	4	0.105	Decreasing	FALSE
551	HCO3	-2	4	0.375	Decreasing	FALSE
551	K	-3	4	0.271	Decreasing	FALSE
551	Methane	-4	5	0.242	Decreasing	FALSE
551	Mg	-1	4	0.5	Decreasing	FALSE
551	Na	-4	4	0.167	Decreasing	FALSE
551	pH, Lab	2	4	0.375	Increasing	FALSE
551	SO4	-4	4	0.167	Decreasing	FALSE
551	TDS	-6	4	0.042	Decreasing	TRUE
553	Ca	-13	9	0.11	Decreasing	FALSE
553	Cl	-2	9	0.46	Decreasing	FALSE
553	CO3	0	4	0.625	No Trend	FALSE
553	HCO3	1	4	0.5	Increasing	FALSE
553	K	-9	9	0.209	Decreasing	FALSE
553	Methane	5	4	0.105	Increasing	FALSE
553	Mg	-18	9	0.038	Decreasing	TRUE
553	Na	16	9	0.06	Increasing	FALSE
553	pH, Lab	18	9	0.038	Increasing	TRUE
553	SO4	-7	9	0.272	Decreasing	FALSE
553	TDS	-3	9	0.421	Decreasing	FALSE
555	Ca	-2	5	0.408	Decreasing	FALSE
555	Cl	-3	5	0.325	Decreasing	FALSE
555	K	0	4	0.625	No Trend	FALSE
555	Methane	0	4	0.625	No Trend	FALSE
555	Mg	-1	5	0.5	Decreasing	FALSE
555	Na	-8	5	0.042	Decreasing	TRUE
555	pH, Lab	-6	5	0.117	Decreasing	FALSE
555	SO4	0	5	0.592	No Trend	FALSE
555	TDS	-2	5	0.408	Decreasing	FALSE
559	Ca	0	4	0.625	No Trend	FALSE
559	Cl	-5	4	0.105	Decreasing	FALSE
559	K	-1	4	0.5	Decreasing	FALSE
559	Mg	0	4	0.625	No Trend	FALSE
559	Na	0	4	0.625	No Trend	FALSE
559	pH, Lab	-2	4	0.375	Decreasing	FALSE
559	SO4	-6	4	0.042	Decreasing	TRUE
559	TDS	0	4	0.625	No Trend	FALSE
567	Ca	0	4	0.625	No Trend	FALSE
567	Cl	-3	4	0.271	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
567	HCO3	2	4	0.375	Increasing	FALSE
567	K	3	4	0.271	Increasing	FALSE
567	Mg	2	4	0.375	Increasing	FALSE
567	Na	0	4	0.625	No Trend	FALSE
567	pH, Lab	-4	4	0.167	Decreasing	FALSE
567	SO4	2	4	0.375	Increasing	FALSE
573	Cl	0	4	0.625	No Trend	FALSE
573	HCO3	-2	4	0.375	Decreasing	FALSE
573	K	5	4	0.105	Increasing	FALSE
573	Mg	-2	4	0.375	Decreasing	FALSE
573	Na	-4	4	0.167	Decreasing	FALSE
573	pH, Lab	-2	4	0.375	Decreasing	FALSE
573	SO4	-5	4	0.105	Decreasing	FALSE
578	Ca	-1	6	0.5	Decreasing	FALSE
578	Cl	0	6	-8888	No Trend	TRUE
578	CO3	0	4	0.625	No Trend	FALSE
578	HCO3	0	4	0.625	No Trend	FALSE
578	K	-9	6	0.068	Decreasing	FALSE
578	Mg	-1	6	0.5	Decreasing	FALSE
578	Na	8	6	0.102	Increasing	FALSE
578	pH, Lab	-2	6	0.43	Decreasing	FALSE
578	SO4	1	6	0.5	Increasing	FALSE
578	TDS	-5	6	0.235	Decreasing	FALSE
581	ALK, Total	-4	5	0.242	Decreasing	FALSE
581	Ca	-11	7	0.068	Decreasing	FALSE
581	Cl	-9	8	0.169	Decreasing	FALSE
581	CO3	0	5	0.592	No Trend	FALSE
581	HCO3	-4	5	0.242	Decreasing	FALSE
581	K	0	7	-8888	No Trend	TRUE
581	Methane	-2	7	0.443	Decreasing	FALSE
581	Mg	-7	7	0.191	Decreasing	FALSE
581	Na	-19	7	0.001	Decreasing	TRUE
581	pH, Lab	1	8	0.5	Increasing	FALSE
581	SO4	-13	8	0.072	Decreasing	FALSE
581	TDS	-17	8	0.024	Decreasing	TRUE
582	Ca	2	5	0.408	Increasing	FALSE
582	Cl	0	5	0.592	No Trend	FALSE
582	K	-3	5	0.325	Decreasing	FALSE
582	Methane	1	4	0.5	Increasing	FALSE
582	Mg	3	5	0.325	Increasing	FALSE
582	Na	-9	5	0.025	Decreasing	TRUE
582	pH, Lab	-2	5	0.408	Decreasing	FALSE
582	SO4	-7	5	0.08	Decreasing	FALSE
582	TDS	6	5	0.117	Increasing	FALSE
584	ALK, Total	1	5	0.5	Increasing	FALSE
584	Ca	10	6	0.048	Increasing	TRUE
584	Cl	14	6	0.005	Increasing	TRUE
584	CO3	0	6	-8888	No Trend	TRUE
584	HCO3	4	6	0.298	Increasing	FALSE
584	K	9	6	0.068	Increasing	FALSE
584	Mg	8	6	0.102	Increasing	FALSE
584	Na	8	6	0.102	Increasing	FALSE
584	pH, Lab	-8	6	0.102	Decreasing	FALSE
584	SO4	2	6	0.43	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
584	TDS	6	6	0.186	Increasing	FALSE
585	Ca	-3	4	0.271	Decreasing	FALSE
585	Cl	-2	4	0.375	Decreasing	FALSE
585	K	-3	4	0.271	Decreasing	FALSE
585	Methane	1	4	0.5	Increasing	FALSE
585	Mg	-3	4	0.271	Decreasing	FALSE
585	Na	0	4	0.625	No Trend	FALSE
585	pH, Lab	-5	4	0.105	Decreasing	FALSE
585	SO4	-2	4	0.375	Decreasing	FALSE
585	TDS	-6	4	0.042	Decreasing	TRUE
595	Ca	1	6	0.5	Increasing	FALSE
595	Cl	10	5	0.008	Increasing	TRUE
595	K	-3	4	0.271	Decreasing	FALSE
595	Na	1	6	0.5	Increasing	FALSE
595	pH, Lab	7	6	0.136	Increasing	FALSE
595	SO4	-2	6	0.43	Decreasing	FALSE
595	TDS	-9	6	0.068	Decreasing	FALSE
597	Ca	-4	4	0.167	Decreasing	FALSE
597	K	0	4	0.625	No Trend	FALSE
597	Mg	-2	4	0.375	Decreasing	FALSE
597	Na	0	4	0.625	No Trend	FALSE
597	pH, Lab	-2	4	0.375	Decreasing	FALSE
597	SO4	-3	4	0.271	Decreasing	FALSE
597	TDS	1	4	0.5	Increasing	FALSE
601	Ca	4	4	0.167	Increasing	FALSE
601	Cl	0	4	0.625	No Trend	FALSE
601	HCO3	2	4	0.375	Increasing	FALSE
601	K	3	4	0.271	Increasing	FALSE
601	Mg	0	4	0.625	No Trend	FALSE
601	Na	-4	4	0.167	Decreasing	FALSE
601	pH, Lab	-2	4	0.375	Decreasing	FALSE
601	SO4	2	4	0.375	Increasing	FALSE
603	Ca	2	4	0.375	Increasing	FALSE
603	Cl	6	4	0.042	Increasing	TRUE
603	K	5	4	0.105	Increasing	FALSE
603	Mg	1	4	0.5	Increasing	FALSE
603	Na	2	4	0.375	Increasing	FALSE
603	pH, Lab	4	4	0.167	Increasing	FALSE
603	SO4	-2	4	0.375	Decreasing	FALSE
603	TDS	-2	4	0.375	Decreasing	FALSE
605	Ca	6	4	0.042	Increasing	TRUE
605	K	2	4	0.375	Increasing	FALSE
605	Mg	4	4	0.167	Increasing	FALSE
605	Na	2	4	0.375	Increasing	FALSE
605	pH, Lab	-2	4	0.375	Decreasing	FALSE
605	SO4	2	4	0.375	Increasing	FALSE
605	TDS	4	4	0.167	Increasing	FALSE
607	Ca	4	4	0.167	Increasing	FALSE
607	Cl	-4	4	0.167	Decreasing	FALSE
607	K	0	4	0.625	No Trend	FALSE
607	Mg	4	4	0.167	Increasing	FALSE
607	Na	-4	4	0.167	Decreasing	FALSE
607	pH, Lab	-5	4	0.105	Decreasing	FALSE
607	SO4	0	4	0.625	No Trend	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
607	TDS	0	4	0.625	No Trend	FALSE
616	ALK, Total	0	4	0.625	No Trend	FALSE
616	Ca	-7	6	0.136	Decreasing	FALSE
616	Cl	-1	5	0.5	Decreasing	FALSE
616	CO3	-3	4	0.271	Decreasing	FALSE
616	HCO3	2	4	0.375	Increasing	FALSE
616	K	-13	6	0.008	Decreasing	TRUE
616	Methane	0	7	-8888	No Trend	TRUE
616	Mg	-6	6	0.186	Decreasing	FALSE
616	Na	3	6	0.36	Increasing	FALSE
616	pH, Lab	-3	6	0.36	Decreasing	FALSE
616	SO4	9	6	0.068	Increasing	FALSE
616	TDS	6	6	0.186	Increasing	FALSE
617	ALK, Total	4	4	0.167	Increasing	FALSE
617	Ca	-4	4	0.167	Decreasing	FALSE
617	Cl	-4	4	0.167	Decreasing	FALSE
617	K	1	4	0.5	Increasing	FALSE
617	Methane	0	5	0.592	No Trend	FALSE
617	Mg	-4	4	0.167	Decreasing	FALSE
617	Na	-2	4	0.375	Decreasing	FALSE
617	pH, Lab	-2	4	0.375	Decreasing	FALSE
617	SO4	-2	4	0.375	Decreasing	FALSE
617	TDS	1	4	0.5	Increasing	FALSE
618	Methane	0	4	0.625	No Trend	FALSE
623	Ca	-1	6	0.5	Decreasing	FALSE
623	Cl	4	6	0.298	Increasing	FALSE
623	CO3	0	4	0.625	No Trend	FALSE
623	HCO3	-6	4	0.042	Decreasing	TRUE
623	K	0	6	-8888	No Trend	TRUE
623	Mg	-1	6	0.5	Decreasing	FALSE
623	Na	-1	6	0.5	Decreasing	FALSE
623	pH, Lab	-8	6	0.102	Decreasing	FALSE
623	SO4	-7	6	0.136	Decreasing	FALSE
623	TDS	-6	6	0.186	Decreasing	FALSE
636	ALK, Total	-5	4	0.105	Decreasing	FALSE
636	Ca	-9	5	0.025	Decreasing	TRUE
636	Cl	6	5	0.117	Increasing	FALSE
636	CO3	-6	5	0.117	Decreasing	FALSE
636	HCO3	-5	5	0.18	Decreasing	FALSE
636	K	1	5	0.5	Increasing	FALSE
636	Mg	-6	5	0.117	Decreasing	FALSE
636	Na	-7	5	0.08	Decreasing	FALSE
636	pH, Lab	4	4	0.167	Increasing	FALSE
636	SO4	-5	5	0.18	Decreasing	FALSE
636	TDS	-9	5	0.025	Decreasing	TRUE
637	Ca	1	5	0.5	Increasing	FALSE
637	Cl	3	5	0.325	Increasing	FALSE
637	CO3	0	4	0.625	No Trend	FALSE
637	HCO3	-4	4	0.167	Decreasing	FALSE
637	K	3	5	0.325	Increasing	FALSE
637	Mg	1	5	0.5	Increasing	FALSE
637	Na	-5	5	0.18	Decreasing	FALSE
637	pH, Lab	0	4	0.625	No Trend	FALSE
637	SO4	8	5	0.042	Increasing	TRUE

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Well ID	Analyte	S	N	Probability	Trend	Significance
637	TDS	-7	5	0.08	Decreasing	FALSE
638	Ca	-2	4	0.375	Decreasing	FALSE
638	Cl	4	4	0.167	Increasing	FALSE
638	CO3	-1	4	0.5	Decreasing	FALSE
638	HCO3	-4	4	0.167	Decreasing	FALSE
638	K	-1	4	0.5	Decreasing	FALSE
638	Mg	0	4	0.625	No Trend	FALSE
638	Na	4	4	0.167	Increasing	FALSE
638	pH, Lab	-1	4	0.5	Decreasing	FALSE
638	SO4	0	4	0.625	No Trend	FALSE
638	TDS	-4	4	0.167	Decreasing	FALSE
639	ALK, Total	1	5	0.5	Increasing	FALSE
639	Ca	-3	6	0.36	Decreasing	FALSE
639	Cl	8	6	0.102	Increasing	FALSE
639	CO3	0	6	-8888	No Trend	TRUE
639	HCO3	0	6	-8888	No Trend	TRUE
639	K	-2	6	0.43	Decreasing	FALSE
639	Mg	-4	6	0.298	Decreasing	FALSE
639	Na	0	6	-8888	No Trend	TRUE
639	pH, Lab	-1	5	0.5	Decreasing	FALSE
639	SO4	6	6	0.186	Increasing	FALSE
639	TDS	2	6	0.43	Increasing	FALSE
641	ALK, Total	-1	5	0.5	Decreasing	FALSE
641	Ca	8	6	0.102	Increasing	FALSE
641	Cl	-8	6	0.102	Decreasing	FALSE
641	CO3	0	6	-8888	No Trend	TRUE
641	HCO3	6	6	0.186	Increasing	FALSE
641	K	12	6	0.018	Increasing	TRUE
641	Mg	8	6	0.102	Increasing	FALSE
641	Na	-4	6	0.298	Decreasing	FALSE
641	pH, Lab	0	5	0.592	No Trend	FALSE
641	SO4	8	6	0.102	Increasing	FALSE
641	TDS	-2	6	0.43	Decreasing	FALSE
650	Cl	-1	4	0.5	Decreasing	FALSE
650	pH, Lab	-4	4	0.167	Decreasing	FALSE
650	SO4	-1	4	0.5	Decreasing	FALSE
650	TDS	0	4	0.625	No Trend	FALSE
651	Cl	-6	4	0.042	Decreasing	TRUE
651	pH, Lab	1	4	0.5	Increasing	FALSE
651	SO4	-3	4	0.271	Decreasing	FALSE
651	TDS	-3	4	0.271	Decreasing	FALSE
654	Cl	4	4	0.167	Increasing	FALSE
654	K	0	4	0.625	No Trend	FALSE
654	pH, Lab	0	4	0.625	No Trend	FALSE
654	SO4	-2	4	0.375	Decreasing	FALSE
654	TDS	0	4	0.625	No Trend	FALSE
659	Ca	4	5	0.242	Increasing	FALSE
659	Cl	2	5	0.408	Increasing	FALSE
659	K	-1	5	0.5	Decreasing	FALSE
659	Mg	6	5	0.117	Increasing	FALSE
659	Na	2	5	0.408	Increasing	FALSE
659	pH, Lab	2	5	0.408	Increasing	FALSE
659	SO4	-10	5	0.008	Decreasing	TRUE
659	TDS	2	5	0.408	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
660	Ca	8	5	0.042	Increasing	TRUE
660	Cl	8	5	0.042	Increasing	TRUE
660	K	-1	5	0.5	Decreasing	FALSE
660	Mg	4	5	0.242	Increasing	FALSE
660	Na	8	5	0.042	Increasing	TRUE
660	pH, Lab	-4	5	0.242	Decreasing	FALSE
660	SO4	4	5	0.242	Increasing	FALSE
660	TDS	8	5	0.042	Increasing	TRUE
663	Ca	4	4	0.167	Increasing	FALSE
663	Cl	4	4	0.167	Increasing	FALSE
663	CO3	-1	4	0.5	Decreasing	FALSE
663	HCO3	4	4	0.167	Increasing	FALSE
663	K	3	4	0.271	Increasing	FALSE
663	Mg	3	4	0.271	Increasing	FALSE
663	Na	-4	4	0.167	Decreasing	FALSE
663	pH, Lab	-2	4	0.375	Decreasing	FALSE
663	SO4	-4	4	0.167	Decreasing	FALSE
663	TDS	0	4	0.625	No Trend	FALSE
665	Ca	2	4	0.375	Increasing	FALSE
665	CO3	0	4	0.625	No Trend	FALSE
665	HCO3	2	4	0.375	Increasing	FALSE
665	K	0	4	0.625	No Trend	FALSE
665	Mg	0	4	0.625	No Trend	FALSE
665	Na	0	4	0.625	No Trend	FALSE
665	pH, Lab	-4	4	0.167	Decreasing	FALSE
665	SO4	0	4	0.625	No Trend	FALSE
665	TDS	-2	4	0.375	Decreasing	FALSE
669	Ca	3	4	0.271	Increasing	FALSE
669	Cl	0	4	0.625	No Trend	FALSE
669	CO3	0	4	0.625	No Trend	FALSE
669	HCO3	6	4	0.042	Increasing	TRUE
669	K	3	4	0.271	Increasing	FALSE
669	Mg	1	4	0.5	Increasing	FALSE
669	Na	2	4	0.375	Increasing	FALSE
669	pH, Lab	-4	4	0.167	Decreasing	FALSE
669	SO4	3	4	0.271	Increasing	FALSE
669	TDS	1	4	0.5	Increasing	FALSE
670	Ca	3	6	0.36	Increasing	FALSE
670	Cl	14	6	0.005	Increasing	TRUE
670	CO3	-5	6	0.235	Decreasing	FALSE
670	HCO3	-5	6	0.235	Decreasing	FALSE
670	K	-5	6	0.235	Decreasing	FALSE
670	Methane	2	4	0.375	Increasing	FALSE
670	Mg	0	6	-8888	No Trend	TRUE
670	Na	-3	6	0.36	Decreasing	FALSE
670	pH, Lab	-3	6	0.36	Decreasing	FALSE
670	SO4	-4	6	0.298	Decreasing	FALSE
670	TDS	9	6	0.068	Increasing	FALSE
709	Ca	2	4	0.375	Increasing	FALSE
709	Cl	0	4	0.625	No Trend	FALSE
709	K	-6	4	0.042	Decreasing	TRUE
709	Mg	2	4	0.375	Increasing	FALSE
709	Na	2	4	0.375	Increasing	FALSE
709	pH, Lab	0	4	0.625	No Trend	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
709	SO4	1	4	0.5	Increasing	FALSE
709	TDS	0	4	0.625	No Trend	FALSE
710	Ca	2	4	0.375	Increasing	FALSE
710	Cl	6	4	0.042	Increasing	TRUE
710	K	-1	4	0.5	Decreasing	FALSE
710	Mg	-1	4	0.5	Decreasing	FALSE
710	Na	4	4	0.167	Increasing	FALSE
710	pH, Lab	-2	4	0.375	Decreasing	FALSE
710	SO4	4	4	0.167	Increasing	FALSE
710	TDS	-2	4	0.375	Decreasing	FALSE
713	Ca	4	4	0.167	Increasing	FALSE
713	Cl	1	4	0.5	Increasing	FALSE
713	K	1	4	0.5	Increasing	FALSE
713	Mg	1	4	0.5	Increasing	FALSE
713	Na	4	4	0.167	Increasing	FALSE
713	pH, Lab	-2	4	0.375	Decreasing	FALSE
713	SO4	0	4	0.625	No Trend	FALSE
713	TDS	0	4	0.625	No Trend	FALSE
714	Ca	4	4	0.167	Increasing	FALSE
714	Cl	3	4	0.271	Increasing	FALSE
714	K	3	4	0.271	Increasing	FALSE
714	Mg	4	4	0.167	Increasing	FALSE
714	Na	0	4	0.625	No Trend	FALSE
714	pH, Lab	-4	4	0.167	Decreasing	FALSE
714	SO4	-4	4	0.167	Decreasing	FALSE
714	TDS	-2	4	0.375	Decreasing	FALSE
722	ALK, Total	0	4	0.625	No Trend	FALSE
722	Ca	0	5	0.592	No Trend	FALSE
722	Cl	-1	6	0.5	Decreasing	FALSE
722	CO3	0	4	0.625	No Trend	FALSE
722	HCO3	0	4	0.625	No Trend	FALSE
722	K	7	5	0.08	Increasing	FALSE
722	Methane	9	6	0.068	Increasing	FALSE
722	Mg	10	5	0.008	Increasing	TRUE
722	Na	-6	5	0.117	Decreasing	FALSE
722	pH, Lab	-11	6	0.028	Decreasing	TRUE
722	SO4	-4	6	0.298	Decreasing	FALSE
722	TDS	1	6	0.5	Increasing	FALSE
723	ALK, Total	-4	4	0.167	Decreasing	FALSE
723	Ca	-2	4	0.375	Decreasing	FALSE
723	Cl	-4	4	0.167	Decreasing	FALSE
723	HCO3	-6	4	0.042	Decreasing	TRUE
723	K	-3	4	0.271	Decreasing	FALSE
723	Methane	-2	4	0.375	Decreasing	FALSE
723	Mg	-3	4	0.271	Decreasing	FALSE
723	Na	-2	4	0.375	Decreasing	FALSE
723	pH, Lab	0	4	0.625	No Trend	FALSE
723	SO4	-2	4	0.375	Decreasing	FALSE
723	TDS	-2	4	0.375	Decreasing	FALSE
724	ALK, Total	-6	4	0.042	Decreasing	TRUE
724	Ca	-4	4	0.167	Decreasing	FALSE
724	Cl	-2	4	0.375	Decreasing	FALSE
724	CO3	0	4	0.625	No Trend	FALSE
724	HCO3	-6	4	0.042	Decreasing	TRUE

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Well ID	Analyte	S	N	Probability	Trend	Significance
724	K	-3	4	0.271	Decreasing	FALSE
724	Mg	-4	4	0.167	Decreasing	FALSE
724	Na	4	4	0.167	Increasing	FALSE
724	pH, Lab	2	4	0.375	Increasing	FALSE
724	SO4	4	4	0.167	Increasing	FALSE
725	Methane	0	4	0.625	No Trend	FALSE
726	ALK, Total	-6	4	0.042	Decreasing	TRUE
726	Ca	-2	4	0.375	Decreasing	FALSE
726	CO3	0	4	0.625	No Trend	FALSE
726	HCO3	-6	4	0.042	Decreasing	TRUE
726	K	-3	4	0.271	Decreasing	FALSE
726	Methane	0	4	0.625	No Trend	FALSE
726	Mg	-2	4	0.375	Decreasing	FALSE
726	Na	-1	4	0.5	Decreasing	FALSE
726	pH, Lab	0	4	0.625	No Trend	FALSE
726	SO4	-4	4	0.167	Decreasing	FALSE
726	TDS	0	4	0.625	No Trend	FALSE
728	ALK, Total	-6	4	0.042	Decreasing	TRUE
728	Ca	-10	5	0.008	Decreasing	TRUE
728	Cl	0	4	0.625	No Trend	FALSE
728	CO3	0	4	0.625	No Trend	FALSE
728	HCO3	-6	4	0.042	Decreasing	TRUE
728	K	-3	5	0.325	Decreasing	FALSE
728	Methane	0	5	0.592	No Trend	FALSE
728	Mg	0	5	0.592	No Trend	FALSE
728	Na	-6	5	0.117	Decreasing	FALSE
728	pH, Lab	4	5	0.242	Increasing	FALSE
728	SO4	-9	5	0.025	Decreasing	TRUE
728	TDS	-8	5	0.042	Decreasing	TRUE
729	Ca	0	4	0.625	No Trend	FALSE
729	Cl	-4	4	0.167	Decreasing	FALSE
729	K	3	4	0.271	Increasing	FALSE
729	Methane	0	5	0.592	No Trend	FALSE
729	Mg	4	4	0.167	Increasing	FALSE
729	Na	-2	4	0.375	Decreasing	FALSE
729	pH, Lab	2	4	0.375	Increasing	FALSE
729	SO4	-5	4	0.105	Decreasing	FALSE
729	TDS	-6	4	0.042	Decreasing	TRUE
731	ALK, Total	0	4	0.625	No Trend	FALSE
731	Ca	-2	4	0.375	Decreasing	FALSE
731	CO3	0	4	0.625	No Trend	FALSE
731	HCO3	0	4	0.625	No Trend	FALSE
731	K	-4	4	0.167	Decreasing	FALSE
731	Methane	0	4	0.625	No Trend	FALSE
731	Mg	-4	4	0.167	Decreasing	FALSE
731	Na	-2	4	0.375	Decreasing	FALSE
731	pH, Lab	4	4	0.167	Increasing	FALSE
731	SO4	-4	4	0.167	Decreasing	FALSE
731	TDS	-2	4	0.375	Decreasing	FALSE
732	ALK, Total	0	4	0.625	No Trend	FALSE
732	Ca	0	4	0.625	No Trend	FALSE
732	CO3	0	4	0.625	No Trend	FALSE
732	HCO3	2	4	0.375	Increasing	FALSE
732	K	-1	4	0.5	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
732	Methane	0	4	0.625	No Trend	FALSE
732	Mg	-2	4	0.375	Decreasing	FALSE
732	Na	-4	4	0.167	Decreasing	FALSE
732	pH, Lab	4	4	0.167	Increasing	FALSE
732	SO4	-6	4	0.042	Decreasing	TRUE
732	TDS	-4	4	0.167	Decreasing	FALSE
733	Ca	-4	4	0.167	Decreasing	FALSE
733	Cl	1	4	0.5	Increasing	FALSE
733	K	3	4	0.271	Increasing	FALSE
733	Methane	-2	4	0.375	Decreasing	FALSE
733	Mg	1	4	0.5	Increasing	FALSE
733	Na	0	4	0.625	No Trend	FALSE
733	pH, Lab	2	4	0.375	Increasing	FALSE
733	SO4	3	4	0.271	Increasing	FALSE
733	TDS	2	4	0.375	Increasing	FALSE
737	Ca	-3	4	0.271	Decreasing	FALSE
737	Cl	3	4	0.271	Increasing	FALSE
737	K	0	4	0.625	No Trend	FALSE
737	Methane	-2	4	0.375	Decreasing	FALSE
737	Mg	0	4	0.625	No Trend	FALSE
737	Na	2	4	0.375	Increasing	FALSE
737	pH, Lab	-2	4	0.375	Decreasing	FALSE
737	SO4	6	4	0.042	Increasing	TRUE
737	TDS	0	4	0.625	No Trend	FALSE
738	Ca	-2	4	0.375	Decreasing	FALSE
738	Cl	1	4	0.5	Increasing	FALSE
738	K	-3	4	0.271	Decreasing	FALSE
738	Methane	0	4	0.625	No Trend	FALSE
738	Mg	-3	4	0.271	Decreasing	FALSE
738	Na	-1	4	0.5	Decreasing	FALSE
738	pH, Lab	2	4	0.375	Increasing	FALSE
738	SO4	5	4	0.105	Increasing	FALSE
738	TDS	-2	4	0.375	Decreasing	FALSE
739	Methane	1	4	0.5	Increasing	FALSE
742	Methane	0	4	0.625	No Trend	FALSE
744	Ca	2	4	0.375	Increasing	FALSE
744	Cl	0	4	0.625	No Trend	FALSE
744	K	-2	4	0.375	Decreasing	FALSE
744	Methane	0	4	0.625	No Trend	FALSE
744	Mg	2	4	0.375	Increasing	FALSE
744	Na	-2	4	0.375	Decreasing	FALSE
744	pH, Lab	2	4	0.375	Increasing	FALSE
744	SO4	4	4	0.167	Increasing	FALSE
744	TDS	-6	4	0.042	Decreasing	TRUE
745	ALK, Total	0	4	0.625	No Trend	FALSE
745	Ca	2	4	0.375	Increasing	FALSE
745	HCO3	-2	4	0.375	Decreasing	FALSE
745	K	-3	4	0.271	Decreasing	FALSE
745	Methane	-2	4	0.375	Decreasing	FALSE
745	Mg	2	4	0.375	Increasing	FALSE
745	Na	-4	4	0.167	Decreasing	FALSE
745	pH, Lab	-2	4	0.375	Decreasing	FALSE
745	SO4	2	4	0.375	Increasing	FALSE
745	TDS	-2	4	0.375	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
746	Ca	-4	4	0.167	Decreasing	FALSE
746	Cl	-6	4	0.042	Decreasing	TRUE
746	K	-3	4	0.271	Decreasing	FALSE
746	Methane	-2	4	0.375	Decreasing	FALSE
746	Mg	0	4	0.625	No Trend	FALSE
746	Na	-1	4	0.5	Decreasing	FALSE
746	pH, Lab	4	4	0.167	Increasing	FALSE
746	SO4	-3	4	0.271	Decreasing	FALSE
746	TDS	-4	4	0.167	Decreasing	FALSE
747	ALK, Total	-4	4	0.167	Decreasing	FALSE
747	Ca	-5	4	0.105	Decreasing	FALSE
747	HCO3	-6	4	0.042	Decreasing	TRUE
747	K	0	4	0.625	No Trend	FALSE
747	Methane	-2	4	0.375	Decreasing	FALSE
747	Mg	0	4	0.625	No Trend	FALSE
747	Na	1	4	0.5	Increasing	FALSE
747	pH, Lab	4	4	0.167	Increasing	FALSE
747	SO4	0	4	0.625	No Trend	FALSE
747	TDS	-2	4	0.375	Decreasing	FALSE
749	ALK, Total	-4	4	0.167	Decreasing	FALSE
749	Ca	6	5	0.117	Increasing	FALSE
749	Cl	-6	4	0.042	Decreasing	TRUE
749	CO3	0	4	0.625	No Trend	FALSE
749	HCO3	-2	4	0.375	Decreasing	FALSE
749	K	-5	5	0.18	Decreasing	FALSE
749	Methane	-6	5	0.117	Decreasing	FALSE
749	Mg	6	5	0.117	Increasing	FALSE
749	Na	-10	5	0.008	Decreasing	TRUE
749	pH, Lab	-4	5	0.242	Decreasing	FALSE
749	SO4	-3	5	0.325	Decreasing	FALSE
749	TDS	-6	5	0.117	Decreasing	FALSE
761	ALK, Total	-5	4	0.105	Decreasing	FALSE
761	Ca	2	5	0.408	Increasing	FALSE
761	Cl	5	4	0.105	Increasing	FALSE
761	CO3	-3	4	0.271	Decreasing	FALSE
761	HCO3	-1	4	0.5	Decreasing	FALSE
761	K	0	5	0.592	No Trend	FALSE
761	Methane	-5	5	0.18	Decreasing	FALSE
761	Mg	1	5	0.5	Increasing	FALSE
761	Na	0	5	0.592	No Trend	FALSE
761	pH, Lab	-2	5	0.408	Decreasing	FALSE
761	SO4	0	5	0.592	No Trend	FALSE
761	TDS	0	5	0.592	No Trend	FALSE
762	ALK, Total	2	4	0.375	Increasing	FALSE
762	Ca	0	4	0.625	No Trend	FALSE
762	CO3	0	4	0.625	No Trend	FALSE
762	HCO3	4	4	0.167	Increasing	FALSE
762	K	-3	4	0.271	Decreasing	FALSE
762	Methane	0	4	0.625	No Trend	FALSE
762	Mg	-4	4	0.167	Decreasing	FALSE
762	Na	-6	4	0.042	Decreasing	TRUE
762	pH, Lab	0	4	0.625	No Trend	FALSE
762	SO4	-2	4	0.375	Decreasing	FALSE
762	TDS	-2	4	0.375	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
763	ALK, Total	2	5	0.408	Increasing	FALSE
763	Ca	4	5	0.242	Increasing	FALSE
763	Cl	0	4	0.625	No Trend	FALSE
763	HCO3	-4	5	0.242	Decreasing	FALSE
763	K	-6	5	0.117	Decreasing	FALSE
763	Methane	-6	4	0.042	Decreasing	TRUE
763	Mg	4	5	0.242	Increasing	FALSE
763	Na	4	5	0.242	Increasing	FALSE
763	pH, Lab	-5	5	0.18	Decreasing	FALSE
763	SO4	4	5	0.242	Increasing	FALSE
763	TDS	6	5	0.117	Increasing	FALSE
764	ALK, Total	-5	4	0.105	Decreasing	FALSE
764	Ca	2	4	0.375	Increasing	FALSE
764	CO3	-5	4	0.105	Decreasing	FALSE
764	HCO3	-4	4	0.167	Decreasing	FALSE
764	K	-4	4	0.167	Decreasing	FALSE
764	Methane	0	4	0.625	No Trend	FALSE
764	Mg	0	4	0.625	No Trend	FALSE
764	Na	-2	4	0.375	Decreasing	FALSE
764	pH, Lab	-4	4	0.167	Decreasing	FALSE
764	SO4	1	4	0.5	Increasing	FALSE
764	TDS	-2	4	0.375	Decreasing	FALSE
765	Methane	-1	4	0.5	Decreasing	FALSE
766	ALK, Total	-6	4	0.042	Decreasing	TRUE
766	Ca	-2	4	0.375	Decreasing	FALSE
766	HCO3	-4	4	0.167	Decreasing	FALSE
766	K	0	4	0.625	No Trend	FALSE
766	Methane	6	5	0.117	Increasing	FALSE
766	Mg	0	4	0.625	No Trend	FALSE
766	Na	-1	4	0.5	Decreasing	FALSE
766	pH, Lab	3	4	0.271	Increasing	FALSE
766	SO4	4	4	0.167	Increasing	FALSE
766	TDS	0	4	0.625	No Trend	FALSE
767	ALK, Total	1	4	0.5	Increasing	FALSE
767	Ca	4	4	0.167	Increasing	FALSE
767	CO3	-4	4	0.167	Decreasing	FALSE
767	HCO3	2	4	0.375	Increasing	FALSE
767	K	3	4	0.271	Increasing	FALSE
767	Methane	0	4	0.625	No Trend	FALSE
767	Mg	4	4	0.167	Increasing	FALSE
767	Na	-4	4	0.167	Decreasing	FALSE
767	pH, Lab	-2	4	0.375	Decreasing	FALSE
767	SO4	-6	4	0.042	Decreasing	TRUE
767	TDS	-2	4	0.375	Decreasing	FALSE
768	Ca	3	4	0.271	Increasing	FALSE
768	Cl	3	4	0.271	Increasing	FALSE
768	K	-2	4	0.375	Decreasing	FALSE
768	Methane	0	5	0.592	No Trend	FALSE
768	Mg	1	4	0.5	Increasing	FALSE
768	Na	-1	4	0.5	Decreasing	FALSE
768	pH, Lab	4	4	0.167	Increasing	FALSE
768	SO4	6	4	0.042	Increasing	TRUE
768	TDS	1	4	0.5	Increasing	FALSE
770	ALK, Total	-2	4	0.375	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
770	Ca	-6	4	0.042	Decreasing	TRUE
770	Cl	-2	4	0.375	Decreasing	FALSE
770	CO3	-1	4	0.5	Decreasing	FALSE
770	HCO3	0	4	0.625	No Trend	FALSE
770	K	3	4	0.271	Increasing	FALSE
770	Methane	0	4	0.625	No Trend	FALSE
770	Mg	0	4	0.625	No Trend	FALSE
770	Na	-2	4	0.375	Decreasing	FALSE
770	pH, Lab	0	4	0.625	No Trend	FALSE
770	SO4	0	4	0.625	No Trend	FALSE
770	TDS	-4	4	0.167	Decreasing	FALSE
771	Ca	-2	4	0.375	Decreasing	FALSE
771	Methane	0	4	0.625	No Trend	FALSE
771	Na	-4	4	0.167	Decreasing	FALSE
771	pH, Lab	4	4	0.167	Increasing	FALSE
771	SO4	-2	4	0.375	Decreasing	FALSE
771	TDS	2	4	0.375	Increasing	FALSE
772	Ca	0	4	0.625	No Trend	FALSE
772	Cl	4	4	0.167	Increasing	FALSE
772	K	2	4	0.375	Increasing	FALSE
772	Methane	0	4	0.625	No Trend	FALSE
772	Mg	-3	4	0.271	Decreasing	FALSE
772	Na	-1	4	0.5	Decreasing	FALSE
772	pH, Lab	-2	4	0.375	Decreasing	FALSE
772	SO4	-5	4	0.105	Decreasing	FALSE
772	TDS	-5	4	0.105	Decreasing	FALSE
774	ALK, Total	-2	4	0.375	Decreasing	FALSE
774	Ca	0	5	0.592	No Trend	FALSE
774	Cl	2	4	0.375	Increasing	FALSE
774	HCO3	-4	4	0.167	Decreasing	FALSE
774	K	-2	5	0.408	Decreasing	FALSE
774	Methane	0	6	-8888	No Trend	TRUE
774	Mg	2	5	0.408	Increasing	FALSE
774	Na	0	5	0.592	No Trend	FALSE
774	pH, Lab	-7	5	0.08	Decreasing	FALSE
774	SO4	0	5	0.592	No Trend	FALSE
774	TDS	-2	5	0.408	Decreasing	FALSE
775	ALK, Total	-6	4	0.042	Decreasing	TRUE
775	Ca	-8	5	0.042	Decreasing	TRUE
775	Cl	3	4	0.271	Increasing	FALSE
775	CO3	0	4	0.625	No Trend	FALSE
775	HCO3	-6	4	0.042	Decreasing	TRUE
775	K	-2	5	0.408	Decreasing	FALSE
775	Methane	0	5	0.592	No Trend	FALSE
775	Mg	-6	5	0.117	Decreasing	FALSE
775	Na	8	5	0.042	Increasing	TRUE
775	pH, Lab	6	5	0.117	Increasing	FALSE
775	SO4	0	5	0.592	No Trend	FALSE
775	TDS	-4	5	0.242	Decreasing	FALSE
776	Methane	0	4	0.625	No Trend	FALSE
778	Ca	0	4	0.625	No Trend	FALSE
778	Cl	-1	4	0.5	Decreasing	FALSE
778	K	0	4	0.625	No Trend	FALSE
778	Methane	0	4	0.625	No Trend	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
778	Mg	-2	4	0.375	Decreasing	FALSE
778	Na	0	4	0.625	No Trend	FALSE
778	pH, Lab	-4	4	0.167	Decreasing	FALSE
778	SO4	-4	4	0.167	Decreasing	FALSE
778	TDS	0	4	0.625	No Trend	FALSE
781	Ca	3	4	0.271	Increasing	FALSE
781	K	-3	4	0.271	Decreasing	FALSE
781	Methane	-4	4	0.167	Decreasing	FALSE
781	Mg	0	4	0.625	No Trend	FALSE
781	Na	2	4	0.375	Increasing	FALSE
781	pH, Lab	-4	4	0.167	Decreasing	FALSE
781	SO4	4	4	0.167	Increasing	FALSE
781	TDS	1	4	0.5	Increasing	FALSE
782	ALK, Total	-4	4	0.167	Decreasing	FALSE
782	Ca	-2	4	0.375	Decreasing	FALSE
782	HCO3	-6	4	0.042	Decreasing	TRUE
782	K	-2	4	0.375	Decreasing	FALSE
782	Methane	0	4	0.625	No Trend	FALSE
782	Mg	-2	4	0.375	Decreasing	FALSE
782	Na	0	4	0.625	No Trend	FALSE
782	pH, Lab	0	4	0.625	No Trend	FALSE
782	SO4	0	4	0.625	No Trend	FALSE
782	TDS	-2	4	0.375	Decreasing	FALSE
783	ALK, Total	2	4	0.375	Increasing	FALSE
783	Ca	4	4	0.167	Increasing	FALSE
783	CO3	-5	4	0.105	Decreasing	FALSE
783	HCO3	4	4	0.167	Increasing	FALSE
783	K	0	4	0.625	No Trend	FALSE
783	Methane	-5	6	0.235	Decreasing	FALSE
783	Mg	0	4	0.625	No Trend	FALSE
783	Na	0	4	0.625	No Trend	FALSE
783	pH, Lab	-2	4	0.375	Decreasing	FALSE
783	SO4	-2	4	0.375	Decreasing	FALSE
783	TDS	2	4	0.375	Increasing	FALSE
785	Ca	-6	4	0.042	Decreasing	TRUE
785	Cl	1	4	0.5	Increasing	FALSE
785	K	-4	4	0.167	Decreasing	FALSE
785	Methane	-4	4	0.167	Decreasing	FALSE
785	Mg	-2	4	0.375	Decreasing	FALSE
785	Na	-4	4	0.167	Decreasing	FALSE
785	pH, Lab	-4	4	0.167	Decreasing	FALSE
785	SO4	-2	4	0.375	Decreasing	FALSE
785	TDS	-4	4	0.167	Decreasing	FALSE
786	ALK, Total	0	4	0.625	No Trend	FALSE
786	Ca	-2	4	0.375	Decreasing	FALSE
786	Cl	3	4	0.271	Increasing	FALSE
786	CO3	0	4	0.625	No Trend	FALSE
786	HCO3	0	4	0.625	No Trend	FALSE
786	K	3	4	0.271	Increasing	FALSE
786	Methane	-2	5	0.408	Decreasing	FALSE
786	Mg	-3	4	0.271	Decreasing	FALSE
786	Na	-2	4	0.375	Decreasing	FALSE
786	pH, Lab	-2	4	0.375	Decreasing	FALSE
786	SO4	0	4	0.625	No Trend	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
786	TDS	0	4	0.625	No Trend	FALSE
787	Ca	2	4	0.375	Increasing	FALSE
787	Cl	-1	4	0.5	Decreasing	FALSE
787	K	-3	4	0.271	Decreasing	FALSE
787	Methane	-2	4	0.375	Decreasing	FALSE
787	Mg	0	4	0.625	No Trend	FALSE
787	Na	4	4	0.167	Increasing	FALSE
787	pH, Lab	3	4	0.271	Increasing	FALSE
787	SO4	4	4	0.167	Increasing	FALSE
787	TDS	0	4	0.625	No Trend	FALSE
788	Methane	-3	4	0.271	Decreasing	FALSE
789	ALK, Total	-6	4	0.042	Decreasing	TRUE
789	Ca	-4	5	0.242	Decreasing	FALSE
789	Cl	1	4	0.5	Increasing	FALSE
789	CO3	0	4	0.625	No Trend	FALSE
789	HCO3	-6	4	0.042	Decreasing	TRUE
789	K	0	5	0.592	No Trend	FALSE
789	Methane	0	5	0.592	No Trend	FALSE
789	Mg	-6	5	0.117	Decreasing	FALSE
789	Na	-6	5	0.117	Decreasing	FALSE
789	pH, Lab	-2	5	0.408	Decreasing	FALSE
789	SO4	-10	5	0.008	Decreasing	TRUE
789	TDS	-2	5	0.408	Decreasing	FALSE
792	Ca	-6	4	0.042	Decreasing	TRUE
792	Cl	4	4	0.167	Increasing	FALSE
792	K	-6	4	0.042	Decreasing	TRUE
792	Methane	-4	4	0.167	Decreasing	FALSE
792	Mg	-5	4	0.105	Decreasing	FALSE
792	Na	-4	4	0.167	Decreasing	FALSE
792	pH, Lab	5	4	0.105	Increasing	FALSE
792	SO4	-6	4	0.042	Decreasing	TRUE
792	TDS	-6	4	0.042	Decreasing	TRUE
796	ALK, Total	1	4	0.5	Increasing	FALSE
796	Ca	-2	4	0.375	Decreasing	FALSE
796	CO3	0	4	0.625	No Trend	FALSE
796	HCO3	1	4	0.5	Increasing	FALSE
796	K	5	4	0.105	Increasing	FALSE
796	Methane	0	5	0.592	No Trend	FALSE
796	Mg	-2	4	0.375	Decreasing	FALSE
796	Na	-4	4	0.167	Decreasing	FALSE
796	pH, Lab	-4	4	0.167	Decreasing	FALSE
796	SO4	-4	4	0.167	Decreasing	FALSE
796	TDS	0	4	0.625	No Trend	FALSE
797	Ca	2	5	0.408	Increasing	FALSE
797	Cl	10	5	0.008	Increasing	TRUE
797	K	1	5	0.5	Increasing	FALSE
797	Methane	0	5	0.592	No Trend	FALSE
797	Mg	1	5	0.5	Increasing	FALSE
797	Na	2	5	0.408	Increasing	FALSE
797	pH, Lab	-3	5	0.325	Decreasing	FALSE
797	SO4	-4	5	0.242	Decreasing	FALSE
797	TDS	2	5	0.408	Increasing	FALSE
799	Ca	-8	5	0.042	Decreasing	TRUE
799	Cl	-8	5	0.042	Decreasing	TRUE

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Well ID	Analyte	S	N	Probability	Trend	Significance
799	K	-5	5	0.18	Decreasing	FALSE
799	Methane	-3	5	0.325	Decreasing	FALSE
799	Mg	-4	5	0.242	Decreasing	FALSE
799	Na	-9	5	0.025	Decreasing	TRUE
799	pH, Lab	-6	5	0.117	Decreasing	FALSE
799	SO4	-6	5	0.117	Decreasing	FALSE
799	TDS	-2	5	0.408	Decreasing	FALSE
800	ALK, Total	6	4	0.042	Increasing	TRUE
800	Ca	0	4	0.625	No Trend	FALSE
800	Cl	3	4	0.271	Increasing	FALSE
800	CO3	0	4	0.625	No Trend	FALSE
800	HCO3	6	4	0.042	Increasing	TRUE
800	K	5	4	0.105	Increasing	FALSE
800	Methane	0	4	0.625	No Trend	FALSE
800	Mg	-2	4	0.375	Decreasing	FALSE
800	Na	0	4	0.625	No Trend	FALSE
800	pH, Lab	-2	4	0.375	Decreasing	FALSE
800	SO4	0	4	0.625	No Trend	FALSE
800	TDS	2	4	0.375	Increasing	FALSE
802	Ca	2	4	0.375	Increasing	FALSE
802	Cl	6	4	0.042	Increasing	TRUE
802	K	3	4	0.271	Increasing	FALSE
802	Methane	0	4	0.625	No Trend	FALSE
802	Mg	0	4	0.625	No Trend	FALSE
802	Na	-1	4	0.5	Decreasing	FALSE
802	pH, Lab	-2	4	0.375	Decreasing	FALSE
802	SO4	2	4	0.375	Increasing	FALSE
802	TDS	2	4	0.375	Increasing	FALSE
803	ALK, Total	2	4	0.375	Increasing	FALSE
803	Ca	0	4	0.625	No Trend	FALSE
803	Cl	-2	4	0.375	Decreasing	FALSE
803	CO3	-3	4	0.271	Decreasing	FALSE
803	HCO3	3	4	0.271	Increasing	FALSE
803	K	1	5	0.5	Increasing	FALSE
803	Mg	0	5	0.592	No Trend	FALSE
803	Na	-2	4	0.375	Decreasing	FALSE
803	pH, Lab	-1	4	0.5	Decreasing	FALSE
803	SO4	-4	4	0.167	Decreasing	FALSE
803	TDS	-2	4	0.375	Decreasing	FALSE
804	Ca	0	4	0.625	No Trend	FALSE
804	Cl	1	4	0.5	Increasing	FALSE
804	K	-6	4	0.042	Decreasing	TRUE
804	Methane	0	4	0.625	No Trend	FALSE
804	Mg	-6	4	0.042	Decreasing	TRUE
804	Na	-4	4	0.167	Decreasing	FALSE
804	pH, Lab	0	4	0.625	No Trend	FALSE
804	SO4	-2	4	0.375	Decreasing	FALSE
804	TDS	0	4	0.625	No Trend	FALSE
805	Ca	4	4	0.167	Increasing	FALSE
805	Cl	3	4	0.271	Increasing	FALSE
805	K	2	4	0.375	Increasing	FALSE
805	Methane	0	4	0.625	No Trend	FALSE
805	Mg	4	4	0.167	Increasing	FALSE
805	Na	2	4	0.375	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
805	pH, Lab	2	4	0.375	Increasing	FALSE
805	SO4	6	4	0.042	Increasing	TRUE
805	TDS	2	4	0.375	Increasing	FALSE
806	Methane	1	4	0.5	Increasing	FALSE
808	Methane	1	4	0.5	Increasing	FALSE
809	Ca	4	4	0.167	Increasing	FALSE
809	Cl	-6	4	0.042	Decreasing	TRUE
809	K	2	4	0.375	Increasing	FALSE
809	Methane	-2	4	0.375	Decreasing	FALSE
809	Mg	4	4	0.167	Increasing	FALSE
809	Na	-2	4	0.375	Decreasing	FALSE
809	pH, Lab	0	4	0.625	No Trend	FALSE
809	SO4	1	4	0.5	Increasing	FALSE
809	TDS	0	4	0.625	No Trend	FALSE
810	Ca	0	4	0.625	No Trend	FALSE
810	Cl	-6	4	0.042	Decreasing	TRUE
810	K	-1	4	0.5	Decreasing	FALSE
810	Mg	0	4	0.625	No Trend	FALSE
810	Na	0	4	0.625	No Trend	FALSE
810	pH, Lab	4	4	0.167	Increasing	FALSE
810	SO4	-1	4	0.5	Decreasing	FALSE
810	TDS	-4	4	0.167	Decreasing	FALSE
811	Ca	4	4	0.167	Increasing	FALSE
811	Cl	0	4	0.625	No Trend	FALSE
811	K	-3	4	0.271	Decreasing	FALSE
811	Methane	5	6	0.235	Increasing	FALSE
811	Mg	-3	4	0.271	Decreasing	FALSE
811	Na	2	4	0.375	Increasing	FALSE
811	pH, Lab	-1	4	0.5	Decreasing	FALSE
811	SO4	1	4	0.5	Increasing	FALSE
811	TDS	0	4	0.625	No Trend	FALSE
812	Ca	-4	4	0.167	Decreasing	FALSE
812	Cl	2	4	0.375	Increasing	FALSE
812	K	-1	4	0.5	Decreasing	FALSE
812	Methane	4	5	0.242	Increasing	FALSE
812	Mg	0	4	0.625	No Trend	FALSE
812	Na	4	4	0.167	Increasing	FALSE
812	pH, Lab	2	4	0.375	Increasing	FALSE
812	SO4	-2	4	0.375	Decreasing	FALSE
812	TDS	-2	4	0.375	Decreasing	FALSE
813	ALK, Total	-4	4	0.167	Decreasing	FALSE
813	Ca	-1	7	0.5	Decreasing	FALSE
813	Cl	1	6	0.5	Increasing	FALSE
813	CO3	0	4	0.625	No Trend	FALSE
813	HCO3	-4	4	0.167	Decreasing	FALSE
813	K	5	7	0.281	Increasing	FALSE
813	Methane	4	5	0.242	Increasing	FALSE
813	Mg	-1	7	0.5	Decreasing	FALSE
813	Na	-3	7	0.386	Decreasing	FALSE
813	pH, Lab	0	7	-8888	No Trend	TRUE
813	SO4	-3	7	0.386	Decreasing	FALSE
813	TDS	-5	7	0.281	Decreasing	FALSE
814	Methane	-4	4	0.167	Decreasing	FALSE
816	Ca	6	4	0.042	Increasing	TRUE

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Well ID	Analyte	S	N	Probability	Trend	Significance
816	Cl	1	4	0.5	Increasing	FALSE
816	K	4	4	0.167	Increasing	FALSE
816	Methane	-3	4	0.271	Decreasing	FALSE
816	Mg	4	4	0.167	Increasing	FALSE
816	Na	-4	4	0.167	Decreasing	FALSE
816	pH, Lab	-3	4	0.271	Decreasing	FALSE
816	SO4	5	4	0.105	Increasing	FALSE
816	TDS	2	4	0.375	Increasing	FALSE
818	Methane	0	4	0.625	No Trend	FALSE
819	Methane	1	4	0.5	Increasing	FALSE
823	Ca	2	4	0.375	Increasing	FALSE
823	Cl	2	4	0.375	Increasing	FALSE
823	K	1	4	0.5	Increasing	FALSE
823	Methane	-6	4	0.042	Decreasing	TRUE
823	Mg	0	4	0.625	No Trend	FALSE
823	Na	2	4	0.375	Increasing	FALSE
823	pH, Lab	-2	4	0.375	Decreasing	FALSE
823	SO4	-1	4	0.5	Decreasing	FALSE
823	TDS	2	4	0.375	Increasing	FALSE
824	Ca	6	4	0.042	Increasing	TRUE
824	Cl	-3	4	0.271	Decreasing	FALSE
824	K	5	4	0.105	Increasing	FALSE
824	Methane	-4	4	0.167	Decreasing	FALSE
824	Mg	3	4	0.271	Increasing	FALSE
824	Na	6	4	0.042	Increasing	TRUE
824	pH, Lab	-4	4	0.167	Decreasing	FALSE
824	SO4	2	4	0.375	Increasing	FALSE
824	TDS	4	4	0.167	Increasing	FALSE
825	Methane	1	4	0.5	Increasing	FALSE
827	Methane	1	4	0.5	Increasing	FALSE
828	Ca	-2	4	0.375	Decreasing	FALSE
828	K	5	4	0.105	Increasing	FALSE
828	Methane	0	4	0.625	No Trend	FALSE
828	Mg	-4	4	0.167	Decreasing	FALSE
828	Na	0	4	0.625	No Trend	FALSE
828	pH, Lab	2	4	0.375	Increasing	FALSE
828	SO4	0	4	0.625	No Trend	FALSE
828	TDS	-2	4	0.375	Decreasing	FALSE
829	Ca	2	4	0.375	Increasing	FALSE
829	Cl	2	4	0.375	Increasing	FALSE
829	K	-2	4	0.375	Decreasing	FALSE
829	Methane	1	4	0.5	Increasing	FALSE
829	Mg	2	4	0.375	Increasing	FALSE
829	Na	4	4	0.167	Increasing	FALSE
829	pH, Lab	0	4	0.625	No Trend	FALSE
829	SO4	3	4	0.271	Increasing	FALSE
829	TDS	3	4	0.271	Increasing	FALSE
830	Methane	0	4	0.625	No Trend	FALSE
834	Ca	-4	4	0.167	Decreasing	FALSE
834	Cl	0	4	0.625	No Trend	FALSE
834	K	-3	4	0.271	Decreasing	FALSE
834	Methane	3	4	0.271	Increasing	FALSE
834	Mg	-2	4	0.375	Decreasing	FALSE
834	Na	-2	4	0.375	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
834	pH, Lab	-4	4	0.167	Decreasing	FALSE
834	SO4	6	4	0.042	Increasing	TRUE
834	TDS	-2	4	0.375	Decreasing	FALSE
835	Ca	4	4	0.167	Increasing	FALSE
835	Cl	-2	4	0.375	Decreasing	FALSE
835	K	1	4	0.5	Increasing	FALSE
835	Methane	6	4	0.042	Increasing	TRUE
835	Mg	1	4	0.5	Increasing	FALSE
835	Na	6	4	0.042	Increasing	TRUE
835	pH, Lab	-4	4	0.167	Decreasing	FALSE
835	SO4	-3	4	0.271	Decreasing	FALSE
835	TDS	0	4	0.625	No Trend	FALSE
838	Methane	-4	4	0.167	Decreasing	FALSE
839	Ca	2	4	0.375	Increasing	FALSE
839	K	4	4	0.167	Increasing	FALSE
839	Methane	0	4	0.625	No Trend	FALSE
839	Mg	0	4	0.625	No Trend	FALSE
839	Na	-2	4	0.375	Decreasing	FALSE
839	pH, Lab	4	4	0.167	Increasing	FALSE
839	SO4	0	4	0.625	No Trend	FALSE
839	TDS	2	4	0.375	Increasing	FALSE
840	Ca	4	4	0.167	Increasing	FALSE
840	Cl	5	4	0.105	Increasing	FALSE
840	K	5	4	0.105	Increasing	FALSE
840	Methane	0	4	0.625	No Trend	FALSE
840	Mg	5	4	0.105	Increasing	FALSE
840	Na	0	4	0.625	No Trend	FALSE
840	pH, Lab	-6	4	0.042	Decreasing	TRUE
840	SO4	6	4	0.042	Increasing	TRUE
840	TDS	4	4	0.167	Increasing	FALSE
842	Ca	-2	4	0.375	Decreasing	FALSE
842	Cl	-3	4	0.271	Decreasing	FALSE
842	K	-2	4	0.375	Decreasing	FALSE
842	Methane	-1	4	0.5	Decreasing	FALSE
842	Mg	-4	4	0.167	Decreasing	FALSE
842	Na	-1	4	0.5	Decreasing	FALSE
842	pH, Lab	5	4	0.105	Increasing	FALSE
842	SO4	-4	4	0.167	Decreasing	FALSE
842	TDS	-6	4	0.042	Decreasing	TRUE
843	Ca	2	4	0.375	Increasing	FALSE
843	Cl	4	4	0.167	Increasing	FALSE
843	K	1	4	0.5	Increasing	FALSE
843	Methane	0	4	0.625	No Trend	FALSE
843	Mg	0	4	0.625	No Trend	FALSE
843	Na	0	4	0.625	No Trend	FALSE
843	pH, Lab	-6	4	0.042	Decreasing	TRUE
843	SO4	-1	4	0.5	Decreasing	FALSE
843	TDS	-4	4	0.167	Decreasing	FALSE
844	Methane	4	4	0.167	Increasing	FALSE
845	Ca	4	5	0.242	Increasing	FALSE
845	Cl	1	5	0.5	Increasing	FALSE
845	K	2	5	0.408	Increasing	FALSE
845	Methane	5	5	0.18	Increasing	FALSE
845	Mg	2	5	0.408	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
845	Na	8	5	0.042	Increasing	TRUE
845	pH, Lab	-4	4	0.167	Decreasing	FALSE
845	SO4	4	5	0.242	Increasing	FALSE
845	TDS	2	5	0.408	Increasing	FALSE
847	Ca	2	4	0.375	Increasing	FALSE
847	K	0	4	0.625	No Trend	FALSE
847	Methane	0	4	0.625	No Trend	FALSE
847	Mg	1	4	0.5	Increasing	FALSE
847	Na	0	4	0.625	No Trend	FALSE
847	pH, Lab	1	4	0.5	Increasing	FALSE
847	SO4	-4	4	0.167	Decreasing	FALSE
847	TDS	-4	4	0.167	Decreasing	FALSE
848	Ca	-2	4	0.375	Decreasing	FALSE
848	Cl	4	4	0.167	Increasing	FALSE
848	K	-5	4	0.105	Decreasing	FALSE
848	Methane	1	4	0.5	Increasing	FALSE
848	Mg	-3	4	0.271	Decreasing	FALSE
848	Na	-5	4	0.105	Decreasing	FALSE
848	pH, Lab	-2	4	0.375	Decreasing	FALSE
848	SO4	-4	4	0.167	Decreasing	FALSE
848	TDS	-4	4	0.167	Decreasing	FALSE
849	Ca	2	4	0.375	Increasing	FALSE
849	Cl	4	4	0.167	Increasing	FALSE
849	K	0	4	0.625	No Trend	FALSE
849	Methane	1	4	0.5	Increasing	FALSE
849	Mg	3	4	0.271	Increasing	FALSE
849	Na	2	4	0.375	Increasing	FALSE
849	pH, Lab	-2	4	0.375	Decreasing	FALSE
849	SO4	-2	4	0.375	Decreasing	FALSE
849	TDS	2	4	0.375	Increasing	FALSE
850	Ca	-2	4	0.375	Decreasing	FALSE
850	Cl	3	4	0.271	Increasing	FALSE
850	K	-1	4	0.5	Decreasing	FALSE
850	Methane	1	4	0.5	Increasing	FALSE
850	Mg	-2	4	0.375	Decreasing	FALSE
850	pH, Lab	1	4	0.5	Increasing	FALSE
850	SO4	-3	4	0.271	Decreasing	FALSE
850	TDS	2	4	0.375	Increasing	FALSE
851	ALK, Total	1	4	0.5	Increasing	FALSE
851	Ca	0	4	0.625	No Trend	FALSE
851	CO3	0	4	0.625	No Trend	FALSE
851	HCO3	1	4	0.5	Increasing	FALSE
851	K	-1	4	0.5	Decreasing	FALSE
851	Methane	1	4	0.5	Increasing	FALSE
851	Mg	-2	4	0.375	Decreasing	FALSE
851	Na	0	4	0.625	No Trend	FALSE
851	pH, Lab	0	4	0.625	No Trend	FALSE
851	SO4	-5	4	0.105	Decreasing	FALSE
851	TDS	0	4	0.625	No Trend	FALSE
852	ALK, Total	4	4	0.167	Increasing	FALSE
852	Ca	0	5	0.592	No Trend	FALSE
852	Cl	4	4	0.167	Increasing	FALSE
852	CO3	-3	4	0.271	Decreasing	FALSE
852	HCO3	2	4	0.375	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
852	K	0	5	0.592	No Trend	FALSE
852	Methane	-7	5	0.08	Decreasing	FALSE
852	Mg	0	5	0.592	No Trend	FALSE
852	Na	2	5	0.408	Increasing	FALSE
852	pH, Lab	-4	5	0.242	Decreasing	FALSE
852	SO4	-4	5	0.242	Decreasing	FALSE
852	TDS	8	5	0.042	Increasing	TRUE
853	Ca	-4	4	0.167	Decreasing	FALSE
853	Cl	0	4	0.625	No Trend	FALSE
853	K	-3	4	0.271	Decreasing	FALSE
853	Methane	0	4	0.625	No Trend	FALSE
853	Mg	-3	4	0.271	Decreasing	FALSE
853	Na	-4	4	0.167	Decreasing	FALSE
853	pH, Lab	4	4	0.167	Increasing	FALSE
853	SO4	-6	4	0.042	Decreasing	TRUE
853	TDS	-4	4	0.167	Decreasing	FALSE
855	Ca	-4	4	0.167	Decreasing	FALSE
855	Cl	1	4	0.5	Increasing	FALSE
855	K	-3	4	0.271	Decreasing	FALSE
855	Methane	1	4	0.5	Increasing	FALSE
855	Mg	-4	4	0.167	Decreasing	FALSE
855	Na	-2	4	0.375	Decreasing	FALSE
855	pH, Lab	0	4	0.625	No Trend	FALSE
855	SO4	-2	4	0.375	Decreasing	FALSE
855	TDS	-2	4	0.375	Decreasing	FALSE
856	ALK, Total	-1	4	0.5	Decreasing	FALSE
856	Ca	-5	5	0.18	Decreasing	FALSE
856	Cl	6	4	0.042	Increasing	TRUE
856	CO3	0	4	0.625	No Trend	FALSE
856	HCO3	-1	4	0.5	Decreasing	FALSE
856	K	-7	5	0.08	Decreasing	FALSE
856	Methane	2	5	0.408	Increasing	FALSE
856	Mg	-5	5	0.18	Decreasing	FALSE
856	Na	5	5	0.18	Increasing	FALSE
856	pH, Lab	1	5	0.5	Increasing	FALSE
856	SO4	9	5	0.025	Increasing	TRUE
856	TDS	-4	4	0.167	Decreasing	FALSE
857	Ca	-1	4	0.5	Decreasing	FALSE
857	Cl	2	4	0.375	Increasing	FALSE
857	K	0	4	0.625	No Trend	FALSE
857	Methane	1	4	0.5	Increasing	FALSE
857	Mg	0	4	0.625	No Trend	FALSE
857	Na	0	4	0.625	No Trend	FALSE
857	pH, Lab	0	4	0.625	No Trend	FALSE
857	SO4	3	4	0.271	Increasing	FALSE
857	TDS	-2	4	0.375	Decreasing	FALSE
858	Methane	1	4	0.5	Increasing	FALSE
859	Ca	2	4	0.375	Increasing	FALSE
859	Cl	1	4	0.5	Increasing	FALSE
859	K	2	4	0.375	Increasing	FALSE
859	Methane	0	4	0.625	No Trend	FALSE
859	Mg	1	4	0.5	Increasing	FALSE
859	Na	2	4	0.375	Increasing	FALSE
859	pH, Lab	-2	4	0.375	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
859	SO4	-3	4	0.271	Decreasing	FALSE
859	TDS	4	4	0.167	Increasing	FALSE
860	Ca	2	4	0.375	Increasing	FALSE
860	Cl	6	4	0.042	Increasing	TRUE
860	K	1	4	0.5	Increasing	FALSE
860	Methane	0	4	0.625	No Trend	FALSE
860	Mg	2	4	0.375	Increasing	FALSE
860	Na	-2	4	0.375	Decreasing	FALSE
860	pH, Lab	0	4	0.625	No Trend	FALSE
860	SO4	-1	4	0.5	Decreasing	FALSE
860	TDS	0	4	0.625	No Trend	FALSE
861	Ca	0	5	0.592	No Trend	FALSE
861	Cl	-9	5	0.025	Decreasing	TRUE
861	K	-5	5	0.18	Decreasing	FALSE
861	Methane	0	6	-8888	No Trend	TRUE
861	Mg	-2	5	0.408	Decreasing	FALSE
861	Na	-6	5	0.117	Decreasing	FALSE
861	pH, Lab	-6	5	0.117	Decreasing	FALSE
861	SO4	0	5	0.592	No Trend	FALSE
861	TDS	7	5	0.08	Increasing	FALSE
862	Ca	-4	4	0.167	Decreasing	FALSE
862	K	1	4	0.5	Increasing	FALSE
862	Methane	0	4	0.625	No Trend	FALSE
862	Mg	-2	4	0.375	Decreasing	FALSE
862	Na	-4	4	0.167	Decreasing	FALSE
862	pH, Lab	-5	4	0.105	Decreasing	FALSE
862	SO4	-2	4	0.375	Decreasing	FALSE
862	TDS	-3	4	0.271	Decreasing	FALSE
863	Ca	4	5	0.242	Increasing	FALSE
863	Cl	4	4	0.167	Increasing	FALSE
863	K	3	5	0.325	Increasing	FALSE
863	Methane	0	5	0.592	No Trend	FALSE
863	Mg	2	5	0.408	Increasing	FALSE
863	Na	-6	5	0.117	Decreasing	FALSE
863	pH, Lab	2	5	0.408	Increasing	FALSE
863	SO4	-6	5	0.117	Decreasing	FALSE
863	TDS	-4	5	0.242	Decreasing	FALSE
864	Ca	-2	4	0.375	Decreasing	FALSE
864	K	-3	4	0.271	Decreasing	FALSE
864	Methane	0	4	0.625	No Trend	FALSE
864	Mg	0	4	0.625	No Trend	FALSE
864	Na	4	4	0.167	Increasing	FALSE
864	pH, Lab	4	4	0.167	Increasing	FALSE
864	SO4	-3	4	0.271	Decreasing	FALSE
864	TDS	-2	4	0.375	Decreasing	FALSE
865	Ca	0	4	0.625	No Trend	FALSE
865	K	-4	4	0.167	Decreasing	FALSE
865	Methane	0	4	0.625	No Trend	FALSE
865	Mg	-1	4	0.5	Decreasing	FALSE
865	Na	-6	4	0.042	Decreasing	TRUE
865	pH, Lab	-5	4	0.105	Decreasing	FALSE
865	SO4	0	4	0.625	No Trend	FALSE
865	TDS	-4	4	0.167	Decreasing	FALSE
866	Ca	-6	4	0.042	Decreasing	TRUE

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Well ID	Analyte	S	N	Probability	Trend	Significance
866	K	0	4	0.625	No Trend	FALSE
866	Methane	0	4	0.625	No Trend	FALSE
866	Mg	-5	4	0.105	Decreasing	FALSE
866	Na	2	4	0.375	Increasing	FALSE
866	pH, Lab	2	4	0.375	Increasing	FALSE
866	SO4	-4	4	0.167	Decreasing	FALSE
866	TDS	-4	4	0.167	Decreasing	FALSE
867	Ca	-6	4	0.042	Decreasing	TRUE
867	Cl	3	4	0.271	Increasing	FALSE
867	K	-5	4	0.105	Decreasing	FALSE
867	Methane	0	4	0.625	No Trend	FALSE
867	Mg	-5	4	0.105	Decreasing	FALSE
867	Na	2	4	0.375	Increasing	FALSE
867	pH, Lab	0	4	0.625	No Trend	FALSE
867	SO4	-5	4	0.105	Decreasing	FALSE
867	TDS	-4	4	0.167	Decreasing	FALSE
869	Ca	4	4	0.167	Increasing	FALSE
869	K	-3	4	0.271	Decreasing	FALSE
869	Methane	0	4	0.625	No Trend	FALSE
869	Mg	5	4	0.105	Increasing	FALSE
869	Na	-4	4	0.167	Decreasing	FALSE
869	pH, Lab	3	4	0.271	Increasing	FALSE
869	SO4	-2	4	0.375	Decreasing	FALSE
869	TDS	-2	4	0.375	Decreasing	FALSE
870	Ca	-6	4	0.042	Decreasing	TRUE
870	K	-3	4	0.271	Decreasing	FALSE
870	Methane	0	4	0.625	No Trend	FALSE
870	Mg	-1	4	0.5	Decreasing	FALSE
870	Na	-2	4	0.375	Decreasing	FALSE
870	pH, Lab	-4	4	0.167	Decreasing	FALSE
870	SO4	-2	4	0.375	Decreasing	FALSE
870	TDS	-4	4	0.167	Decreasing	FALSE
871	Ca	0	4	0.625	No Trend	FALSE
871	K	-1	4	0.5	Decreasing	FALSE
871	Methane	0	4	0.625	No Trend	FALSE
871	Mg	2	4	0.375	Increasing	FALSE
871	Na	2	4	0.375	Increasing	FALSE
871	pH, Lab	6	4	0.042	Increasing	TRUE
871	SO4	-6	4	0.042	Decreasing	TRUE
871	TDS	0	4	0.625	No Trend	FALSE
872	Ca	-3	4	0.271	Decreasing	FALSE
872	Cl	4	4	0.167	Increasing	FALSE
872	K	-3	4	0.271	Decreasing	FALSE
872	Methane	0	4	0.625	No Trend	FALSE
872	Mg	-3	4	0.271	Decreasing	FALSE
872	Na	6	4	0.042	Increasing	TRUE
872	pH, Lab	-2	4	0.375	Decreasing	FALSE
872	SO4	2	4	0.375	Increasing	FALSE
872	TDS	-2	4	0.375	Decreasing	FALSE
873	Ca	2	4	0.375	Increasing	FALSE
873	Cl	-4	4	0.167	Decreasing	FALSE
873	K	2	4	0.375	Increasing	FALSE
873	Methane	-3	4	0.271	Decreasing	FALSE
873	Mg	2	4	0.375	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
873	Na	-2	4	0.375	Decreasing	FALSE
873	pH, Lab	-4	4	0.167	Decreasing	FALSE
873	SO4	2	4	0.375	Increasing	FALSE
873	TDS	2	4	0.375	Increasing	FALSE
874	Ca	-6	4	0.042	Decreasing	TRUE
874	Cl	-6	4	0.042	Decreasing	TRUE
874	K	-3	4	0.271	Decreasing	FALSE
874	Methane	0	4	0.625	No Trend	FALSE
874	Mg	-6	4	0.042	Decreasing	TRUE
874	Na	4	4	0.167	Increasing	FALSE
874	pH, Lab	2	4	0.375	Increasing	FALSE
874	SO4	4	4	0.167	Increasing	FALSE
874	TDS	-3	4	0.271	Decreasing	FALSE
875	Ca	-2	4	0.375	Decreasing	FALSE
875	Cl	4	4	0.167	Increasing	FALSE
875	K	3	4	0.271	Increasing	FALSE
875	Methane	1	4	0.5	Increasing	FALSE
875	Mg	-1	4	0.5	Decreasing	FALSE
875	Na	6	4	0.042	Increasing	TRUE
875	pH, Lab	0	4	0.625	No Trend	FALSE
875	SO4	2	4	0.375	Increasing	FALSE
875	TDS	2	4	0.375	Increasing	FALSE
876	Ca	-4	4	0.167	Decreasing	FALSE
876	Cl	1	4	0.5	Increasing	FALSE
876	K	-1	4	0.5	Decreasing	FALSE
876	Methane	0	4	0.625	No Trend	FALSE
876	Mg	-6	4	0.042	Decreasing	TRUE
876	Na	-2	4	0.375	Decreasing	FALSE
876	pH, Lab	1	4	0.5	Increasing	FALSE
876	SO4	1	4	0.5	Increasing	FALSE
876	TDS	-4	4	0.167	Decreasing	FALSE
877	Ca	-2	4	0.375	Decreasing	FALSE
877	Cl	-2	4	0.375	Decreasing	FALSE
877	K	-3	4	0.271	Decreasing	FALSE
877	Methane	1	4	0.5	Increasing	FALSE
877	Mg	-2	4	0.375	Decreasing	FALSE
877	Na	-2	4	0.375	Decreasing	FALSE
877	pH, Lab	2	4	0.375	Increasing	FALSE
877	SO4	0	4	0.625	No Trend	FALSE
877	TDS	1	4	0.5	Increasing	FALSE
879	Ca	6	4	0.042	Increasing	TRUE
879	Cl	5	4	0.105	Increasing	FALSE
879	K	0	4	0.625	No Trend	FALSE
879	Methane	0	4	0.625	No Trend	FALSE
879	Mg	0	4	0.625	No Trend	FALSE
879	Na	6	4	0.042	Increasing	TRUE
879	pH, Lab	-6	4	0.042	Decreasing	TRUE
879	SO4	6	4	0.042	Increasing	TRUE
879	TDS	2	4	0.375	Increasing	FALSE
880	Ca	-6	4	0.042	Decreasing	TRUE
880	Cl	3	4	0.271	Increasing	FALSE
880	K	-2	4	0.375	Decreasing	FALSE
880	Methane	0	4	0.625	No Trend	FALSE
880	Mg	0	4	0.625	No Trend	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
880	Na	0	4	0.625	No Trend	FALSE
880	pH, Lab	0	4	0.625	No Trend	FALSE
880	SO4	-4	4	0.167	Decreasing	FALSE
880	TDS	-4	4	0.167	Decreasing	FALSE
881	ALK, Total	2	4	0.375	Increasing	FALSE
881	Ca	-5	5	0.18	Decreasing	FALSE
881	Cl	6	5	0.117	Increasing	FALSE
881	CO3	0	4	0.625	No Trend	FALSE
881	HCO3	2	4	0.375	Increasing	FALSE
881	K	-3	5	0.325	Decreasing	FALSE
881	Methane	0	5	0.592	No Trend	FALSE
881	Mg	-3	5	0.325	Decreasing	FALSE
881	Na	8	5	0.042	Increasing	TRUE
881	pH, Lab	3	5	0.325	Increasing	FALSE
881	SO4	4	5	0.242	Increasing	FALSE
881	TDS	1	5	0.5	Increasing	FALSE
882	ALK, Total	-6	4	0.042	Decreasing	TRUE
882	Ca	-4	5	0.242	Decreasing	FALSE
882	Cl	-3	4	0.271	Decreasing	FALSE
882	CO3	0	4	0.625	No Trend	FALSE
882	HCO3	-6	4	0.042	Decreasing	TRUE
882	K	-3	5	0.325	Decreasing	FALSE
882	Methane	0	5	0.592	No Trend	FALSE
882	Mg	-7	5	0.08	Decreasing	FALSE
882	Na	-3	5	0.325	Decreasing	FALSE
882	pH, Lab	-10	5	0.008	Decreasing	TRUE
882	SO4	-4	5	0.242	Decreasing	FALSE
882	TDS	-5	5	0.18	Decreasing	FALSE
883	Ca	4	4	0.167	Increasing	FALSE
883	Cl	2	4	0.375	Increasing	FALSE
883	K	5	4	0.105	Increasing	FALSE
883	Methane	2	4	0.375	Increasing	FALSE
883	Mg	1	4	0.5	Increasing	FALSE
883	Na	2	4	0.375	Increasing	FALSE
883	pH, Lab	4	4	0.167	Increasing	FALSE
883	SO4	2	4	0.375	Increasing	FALSE
883	TDS	0	4	0.625	No Trend	FALSE
884	ALK, Total	4	5	0.242	Increasing	FALSE
884	Ca	4	5	0.242	Increasing	FALSE
884	CO3	0	5	0.592	No Trend	FALSE
884	HCO3	4	5	0.242	Increasing	FALSE
884	K	7	5	0.08	Increasing	FALSE
884	Methane	0	8	0.548	No Trend	FALSE
884	Mg	4	5	0.242	Increasing	FALSE
884	Na	-6	5	0.117	Decreasing	FALSE
884	pH, Lab	-2	5	0.408	Decreasing	FALSE
884	SO4	-9	5	0.025	Decreasing	TRUE
884	TDS	0	4	0.625	No Trend	FALSE
885	Ca	0	4	0.625	No Trend	FALSE
885	Cl	3	4	0.271	Increasing	FALSE
885	K	-2	4	0.375	Decreasing	FALSE
885	Methane	1	4	0.5	Increasing	FALSE
885	Mg	4	4	0.167	Increasing	FALSE
885	Na	0	4	0.625	No Trend	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
885	pH, Lab	0	4	0.625	No Trend	FALSE
885	SO4	-2	4	0.375	Decreasing	FALSE
885	TDS	2	4	0.375	Increasing	FALSE
889	Ca	2	4	0.375	Increasing	FALSE
889	Cl	5	4	0.105	Increasing	FALSE
889	K	3	4	0.271	Increasing	FALSE
889	Methane	0	4	0.625	No Trend	FALSE
889	Mg	-2	4	0.375	Decreasing	FALSE
889	Na	0	4	0.625	No Trend	FALSE
889	pH, Lab	0	4	0.625	No Trend	FALSE
889	SO4	0	4	0.625	No Trend	FALSE
889	TDS	0	4	0.625	No Trend	FALSE
890	Ca	2	4	0.375	Increasing	FALSE
890	Cl	1	4	0.5	Increasing	FALSE
890	K	3	4	0.271	Increasing	FALSE
890	Methane	6	4	0.042	Increasing	TRUE
890	Mg	0	4	0.625	No Trend	FALSE
890	Na	6	4	0.042	Increasing	TRUE
890	pH, Lab	0	4	0.625	No Trend	FALSE
890	SO4	2	4	0.375	Increasing	FALSE
890	TDS	0	4	0.625	No Trend	FALSE
894	ALK, Total	-11	7	0.068	Decreasing	FALSE
894	Ca	-26	10	0.011	Decreasing	TRUE
894	Cl	-16	11	0.125	Decreasing	FALSE
894	CO3	0	5	0.592	No Trend	FALSE
894	HCO3	-5	6	0.235	Decreasing	FALSE
894	K	-4	10	0.398	Decreasing	FALSE
894	Mg	-2	9	0.46	Decreasing	FALSE
894	Na	-14	10	0.127	Decreasing	FALSE
894	pH, Lab	13	9	0.11	Increasing	FALSE
894	SO4	-19	10	0.054	Decreasing	FALSE
894	TDS	-12	9	0.13	Decreasing	FALSE
895	Methane	-5	6	0.235	Decreasing	FALSE
899	ALK, Total	2	4	0.375	Increasing	FALSE
899	Ca	-2	4	0.375	Decreasing	FALSE
899	CO3	0	4	0.625	No Trend	FALSE
899	HCO3	2	4	0.375	Increasing	FALSE
899	K	-2	4	0.375	Decreasing	FALSE
899	Mg	-2	4	0.375	Decreasing	FALSE
899	Na	-2	4	0.375	Decreasing	FALSE
899	pH, Lab	0	4	0.625	No Trend	FALSE
899	SO4	4	4	0.167	Increasing	FALSE
899	TDS	-2	4	0.375	Decreasing	FALSE
906	Ca	-2	4	0.375	Decreasing	FALSE
906	Cl	1	4	0.5	Increasing	FALSE
906	CO3	-3	4	0.271	Decreasing	FALSE
906	HCO3	-2	4	0.375	Decreasing	FALSE
906	K	1	4	0.5	Increasing	FALSE
906	Mg	-2	4	0.375	Decreasing	FALSE
906	Na	2	4	0.375	Increasing	FALSE
906	pH, Lab	-2	4	0.375	Decreasing	FALSE
906	SO4	-2	4	0.375	Decreasing	FALSE
906	TDS	-4	4	0.167	Decreasing	FALSE
912	Ca	-1	4	0.5	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
912	Cl	1	4	0.5	Increasing	FALSE
912	K	-3	4	0.271	Decreasing	FALSE
912	Mg	0	4	0.625	No Trend	FALSE
912	Na	-2	4	0.375	Decreasing	FALSE
912	pH, Lab	0	4	0.625	No Trend	FALSE
912	SO4	4	4	0.167	Increasing	FALSE
912	TDS	3	4	0.271	Increasing	FALSE
913	Ca	-2	4	0.375	Decreasing	FALSE
913	Cl	1	4	0.5	Increasing	FALSE
913	K	0	4	0.625	No Trend	FALSE
913	Mg	0	4	0.625	No Trend	FALSE
913	Na	3	4	0.271	Increasing	FALSE
913	pH, Lab	0	4	0.625	No Trend	FALSE
913	SO4	0	4	0.625	No Trend	FALSE
913	TDS	0	4	0.625	No Trend	FALSE
918	Ca	-2	4	0.375	Decreasing	FALSE
918	Cl	3	4	0.271	Increasing	FALSE
918	K	1	4	0.5	Increasing	FALSE
918	Mg	-2	4	0.375	Decreasing	FALSE
918	Na	2	4	0.375	Increasing	FALSE
918	pH, Lab	-3	4	0.271	Decreasing	FALSE
918	SO4	5	4	0.105	Increasing	FALSE
918	TDS	0	4	0.625	No Trend	FALSE
919	Ca	4	4	0.167	Increasing	FALSE
919	Cl	2	4	0.375	Increasing	FALSE
919	K	0	4	0.625	No Trend	FALSE
919	Mg	0	4	0.625	No Trend	FALSE
919	Na	2	4	0.375	Increasing	FALSE
919	pH, Lab	0	4	0.625	No Trend	FALSE
919	SO4	4	4	0.167	Increasing	FALSE
919	TDS	0	4	0.625	No Trend	FALSE
920	ALK, Total	3	5	0.325	Increasing	FALSE
920	Ca	0	5	0.592	No Trend	FALSE
920	Cl	2	5	0.408	Increasing	FALSE
920	CO3	0	5	0.592	No Trend	FALSE
920	HCO3	2	5	0.408	Increasing	FALSE
920	K	-1	5	0.5	Decreasing	FALSE
920	Mg	-1	5	0.5	Decreasing	FALSE
920	Na	6	5	0.117	Increasing	FALSE
920	pH, Lab	0	5	0.592	No Trend	FALSE
920	SO4	0	5	0.592	No Trend	FALSE
920	TDS	-2	5	0.408	Decreasing	FALSE
933	Methane	0	4	0.625	No Trend	FALSE
934	ALK, Total	0	4	0.625	No Trend	FALSE
934	Ca	-2	4	0.375	Decreasing	FALSE
934	CO3	-1	4	0.5	Decreasing	FALSE
934	HCO3	0	4	0.625	No Trend	FALSE
934	K	1	4	0.5	Increasing	FALSE
934	Methane	3	4	0.271	Increasing	FALSE
934	Mg	-4	4	0.167	Decreasing	FALSE
934	Na	0	4	0.625	No Trend	FALSE
934	pH, Lab	-6	4	0.042	Decreasing	TRUE
934	SO4	5	4	0.105	Increasing	FALSE
934	TDS	2	4	0.375	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
941	Ca	-2	4	0.375	Decreasing	FALSE
941	K	1	4	0.5	Increasing	FALSE
941	Methane	0	4	0.625	No Trend	FALSE
941	Mg	-2	4	0.375	Decreasing	FALSE
941	Na	2	4	0.375	Increasing	FALSE
941	pH, Lab	2	4	0.375	Increasing	FALSE
941	SO4	-3	4	0.271	Decreasing	FALSE
941	TDS	0	4	0.625	No Trend	FALSE
946	Ca	-2	4	0.375	Decreasing	FALSE
946	K	-6	4	0.042	Decreasing	TRUE
946	Methane	-2	4	0.375	Decreasing	FALSE
946	Mg	-2	4	0.375	Decreasing	FALSE
946	Na	-6	4	0.042	Decreasing	TRUE
946	pH, Lab	-4	4	0.167	Decreasing	FALSE
946	SO4	-3	4	0.271	Decreasing	FALSE
946	TDS	-2	4	0.375	Decreasing	FALSE
949	Ca	1	4	0.5	Increasing	FALSE
949	K	3	4	0.271	Increasing	FALSE
949	Methane	0	4	0.625	No Trend	FALSE
949	Mg	0	4	0.625	No Trend	FALSE
949	Na	2	4	0.375	Increasing	FALSE
949	pH, Lab	-4	4	0.167	Decreasing	FALSE
949	SO4	1	4	0.5	Increasing	FALSE
949	TDS	2	4	0.375	Increasing	FALSE
951	Ca	-6	4	0.042	Decreasing	TRUE
951	Cl	1	4	0.5	Increasing	FALSE
951	K	-2	4	0.375	Decreasing	FALSE
951	Methane	-2	4	0.375	Decreasing	FALSE
951	Mg	0	4	0.625	No Trend	FALSE
951	Na	0	4	0.625	No Trend	FALSE
951	pH, Lab	-2	4	0.375	Decreasing	FALSE
951	SO4	0	4	0.625	No Trend	FALSE
951	TDS	4	4	0.167	Increasing	FALSE
952	Ca	-4	4	0.167	Decreasing	FALSE
952	Cl	0	4	0.625	No Trend	FALSE
952	K	-3	4	0.271	Decreasing	FALSE
952	Methane	2	4	0.375	Increasing	FALSE
952	Mg	-4	4	0.167	Decreasing	FALSE
952	Na	-2	4	0.375	Decreasing	FALSE
952	pH, Lab	-2	4	0.375	Decreasing	FALSE
952	SO4	0	4	0.625	No Trend	FALSE
952	TDS	-2	4	0.375	Decreasing	FALSE
953	Ca	2	4	0.375	Increasing	FALSE
953	Cl	0	4	0.625	No Trend	FALSE
953	K	-3	4	0.271	Decreasing	FALSE
953	Methane	-2	4	0.375	Decreasing	FALSE
953	Mg	0	4	0.625	No Trend	FALSE
953	Na	6	4	0.042	Increasing	TRUE
953	pH, Lab	-6	4	0.042	Decreasing	TRUE
953	SO4	3	4	0.271	Increasing	FALSE
953	TDS	-2	4	0.375	Decreasing	FALSE
955	Methane	1	4	0.5	Increasing	FALSE
957	ALK, Total	0	4	0.625	No Trend	FALSE
957	Ca	0	5	0.592	No Trend	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
957	CO3	3	4	0.271	Increasing	FALSE
957	HCO3	0	4	0.625	No Trend	FALSE
957	K	-2	5	0.408	Decreasing	FALSE
957	Methane	0	5	0.592	No Trend	FALSE
957	Mg	1	5	0.5	Increasing	FALSE
957	Na	0	5	0.592	No Trend	FALSE
957	pH, Lab	2	5	0.408	Increasing	FALSE
957	SO4	-2	5	0.408	Decreasing	FALSE
957	TDS	0	5	0.592	No Trend	FALSE
964	ALK, Total	9	6	0.068	Increasing	FALSE
964	Ca	6	8	0.274	Increasing	FALSE
964	Cl	2	8	0.452	Increasing	FALSE
964	CO3	7	6	0.136	Increasing	FALSE
964	HCO3	1	6	0.5	Increasing	FALSE
964	K	-5	8	0.317	Decreasing	FALSE
964	Methane	-6	9	0.306	Decreasing	FALSE
964	Mg	0	8	0.548	No Trend	FALSE
964	Na	5	8	0.317	Increasing	FALSE
964	pH, Lab	4	8	0.36	Increasing	FALSE
964	SO4	-22	8	0.002	Decreasing	TRUE
964	TDS	5	8	0.317	Increasing	FALSE
965	ALK, Total	5	6	0.235	Increasing	FALSE
965	Ca	20	8	0.007	Increasing	TRUE
965	Cl	11	8	0.114	Increasing	FALSE
965	CO3	0	6	-8888	No Trend	TRUE
965	HCO3	5	6	0.235	Increasing	FALSE
965	K	-5	8	0.317	Decreasing	FALSE
965	Methane	-20	8	0.007	Decreasing	TRUE
965	Mg	0	8	0.548	No Trend	FALSE
965	Na	14	8	0.054	Increasing	FALSE
965	pH, Lab	-5	8	0.317	Decreasing	FALSE
965	SO4	-7	8	0.237	Decreasing	FALSE
965	TDS	7	8	0.237	Increasing	FALSE
966	ALK, Total	9	6	0.068	Increasing	FALSE
966	Ca	6	8	0.274	Increasing	FALSE
966	Cl	14	8	0.054	Increasing	FALSE
966	CO3	0	6	-8888	No Trend	TRUE
966	HCO3	9	6	0.068	Increasing	FALSE
966	K	3	8	0.406	Increasing	FALSE
966	Methane	2	8	0.452	Increasing	FALSE
966	Mg	9	8	0.169	Increasing	FALSE
966	Na	2	8	0.452	Increasing	FALSE
966	pH, Lab	-1	8	0.5	Decreasing	FALSE
966	SO4	6	8	0.274	Increasing	FALSE
966	TDS	6	8	0.274	Increasing	FALSE
979	Methane	0	4	0.625	No Trend	FALSE
981	ALK, Total	-6	4	0.042	Decreasing	TRUE
981	Ca	-2	4	0.375	Decreasing	FALSE
981	Cl	-2	4	0.375	Decreasing	FALSE
981	HCO3	-6	4	0.042	Decreasing	TRUE
981	K	-2	4	0.375	Decreasing	FALSE
981	Methane	0	4	0.625	No Trend	FALSE
981	Mg	0	4	0.625	No Trend	FALSE
981	Na	-4	4	0.167	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
981	pH, Lab	2	4	0.375	Increasing	FALSE
981	SO4	-4	4	0.167	Decreasing	FALSE
981	TDS	0	4	0.625	No Trend	FALSE
983	Ca	4	6	0.298	Increasing	FALSE
983	Cl	-2	6	0.43	Decreasing	FALSE
983	CO3	-3	5	0.325	Decreasing	FALSE
983	HCO3	-4	6	0.298	Decreasing	FALSE
983	K	0	6	-8888	No Trend	TRUE
983	Mg	0	6	-8888	No Trend	TRUE
983	Na	6	6	0.186	Increasing	FALSE
983	pH, Lab	4	6	0.298	Increasing	FALSE
983	SO4	-6	6	0.186	Decreasing	FALSE
983	TDS	-8	5	0.042	Decreasing	TRUE
1017	ALK, Total	3	4	0.271	Increasing	FALSE
1017	Ca	2	5	0.408	Increasing	FALSE
1017	Cl	4	5	0.242	Increasing	FALSE
1017	CO3	0	5	0.592	No Trend	FALSE
1017	HCO3	3	5	0.325	Increasing	FALSE
1017	K	4	5	0.242	Increasing	FALSE
1017	Mg	0	5	0.592	No Trend	FALSE
1017	Na	6	5	0.117	Increasing	FALSE
1017	pH, Lab	0	4	0.625	No Trend	FALSE
1017	SO4	1	5	0.5	Increasing	FALSE
1017	TDS	1	5	0.5	Increasing	FALSE
1019	ALK, Total	-1	5	0.5	Decreasing	FALSE
1019	Ca	1	5	0.5	Increasing	FALSE
1019	Cl	2	5	0.408	Increasing	FALSE
1019	CO3	0	5	0.592	No Trend	FALSE
1019	HCO3	-1	5	0.5	Decreasing	FALSE
1019	K	8	5	0.042	Increasing	TRUE
1019	Mg	-1	5	0.5	Decreasing	FALSE
1019	Na	2	5	0.408	Increasing	FALSE
1019	pH, Lab	0	5	0.592	No Trend	FALSE
1019	SO4	-8	5	0.042	Decreasing	TRUE
1019	TDS	6	5	0.117	Increasing	FALSE
1023	Ca	0	5	0.592	No Trend	FALSE
1023	Cl	-4	5	0.242	Decreasing	FALSE
1023	K	0	5	0.592	No Trend	FALSE
1023	Mg	0	5	0.592	No Trend	FALSE
1023	Na	2	5	0.408	Increasing	FALSE
1023	pH, Lab	2	5	0.408	Increasing	FALSE
1023	SO4	2	5	0.408	Increasing	FALSE
1023	TDS	-4	5	0.242	Decreasing	FALSE
1026	Ca	4	4	0.167	Increasing	FALSE
1026	Cl	2	4	0.375	Increasing	FALSE
1026	K	1	4	0.5	Increasing	FALSE
1026	Mg	0	4	0.625	No Trend	FALSE
1026	Na	4	4	0.167	Increasing	FALSE
1026	pH, Lab	0	4	0.625	No Trend	FALSE
1026	SO4	0	4	0.625	No Trend	FALSE
1026	TDS	2	4	0.375	Increasing	FALSE
1028	Ca	2	4	0.375	Increasing	FALSE
1028	Cl	3	4	0.271	Increasing	FALSE
1028	K	-3	4	0.271	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
1028	Mg	2	4	0.375	Increasing	FALSE
1028	Na	1	4	0.5	Increasing	FALSE
1028	pH, Lab	0	4	0.625	No Trend	FALSE
1028	SO4	2	4	0.375	Increasing	FALSE
1028	TDS	-1	4	0.5	Decreasing	FALSE
1029	Ca	2	4	0.375	Increasing	FALSE
1029	Cl	-2	4	0.375	Decreasing	FALSE
1029	K	-1	4	0.5	Decreasing	FALSE
1029	Mg	0	4	0.625	No Trend	FALSE
1029	Na	-2	4	0.375	Decreasing	FALSE
1029	pH, Lab	0	4	0.625	No Trend	FALSE
1029	SO4	-2	4	0.375	Decreasing	FALSE
1029	TDS	-3	4	0.271	Decreasing	FALSE
1030	Ca	3	4	0.271	Increasing	FALSE
1030	Cl	-2	4	0.375	Decreasing	FALSE
1030	K	4	4	0.167	Increasing	FALSE
1030	Mg	5	4	0.105	Increasing	FALSE
1030	Na	-4	4	0.167	Decreasing	FALSE
1030	pH, Lab	-2	4	0.375	Decreasing	FALSE
1030	SO4	-2	4	0.375	Decreasing	FALSE
1030	TDS	-4	4	0.167	Decreasing	FALSE
1033	Ca	0	4	0.625	No Trend	FALSE
1033	Cl	3	4	0.271	Increasing	FALSE
1033	K	-2	4	0.375	Decreasing	FALSE
1033	Mg	4	4	0.167	Increasing	FALSE
1033	Na	0	4	0.625	No Trend	FALSE
1033	pH, Lab	1	4	0.5	Increasing	FALSE
1033	SO4	-2	4	0.375	Decreasing	FALSE
1033	TDS	-4	4	0.167	Decreasing	FALSE
1034	Ca	0	4	0.625	No Trend	FALSE
1034	Cl	-3	4	0.271	Decreasing	FALSE
1034	K	1	4	0.5	Increasing	FALSE
1034	Mg	2	4	0.375	Increasing	FALSE
1034	Na	2	4	0.375	Increasing	FALSE
1034	pH, Lab	6	4	0.042	Increasing	TRUE
1034	SO4	-2	4	0.375	Decreasing	FALSE
1034	TDS	-6	4	0.042	Decreasing	TRUE
1067	Ca	5	4	0.105	Increasing	FALSE
1067	Cl	-1	4	0.5	Decreasing	FALSE
1067	K	3	4	0.271	Increasing	FALSE
1067	Methane	-2	4	0.375	Decreasing	FALSE
1067	Mg	6	4	0.042	Increasing	TRUE
1067	Na	0	4	0.625	No Trend	FALSE
1067	pH, Lab	-6	4	0.042	Decreasing	TRUE
1067	SO4	4	4	0.167	Increasing	FALSE
1075	Ca	4	4	0.167	Increasing	FALSE
1075	K	1	4	0.5	Increasing	FALSE
1075	Methane	-4	4	0.167	Decreasing	FALSE
1075	Mg	4	4	0.167	Increasing	FALSE
1075	Na	-2	4	0.375	Decreasing	FALSE
1075	pH, Lab	-2	4	0.375	Decreasing	FALSE
1075	SO4	2	4	0.375	Increasing	FALSE
1076	Ca	-3	4	0.271	Decreasing	FALSE
1076	Cl	-1	4	0.5	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
1076	K	0	4	0.625	No Trend	FALSE
1076	Methane	1	4	0.5	Increasing	FALSE
1076	Mg	0	4	0.625	No Trend	FALSE
1076	Na	-2	4	0.375	Decreasing	FALSE
1076	pH, Lab	4	4	0.167	Increasing	FALSE
1076	SO4	-6	4	0.042	Decreasing	TRUE
1086	Ca	8	5	0.042	Increasing	TRUE
1086	Cl	-6	5	0.117	Decreasing	FALSE
1086	CO3	0	5	0.592	No Trend	FALSE
1086	HCO3	8	5	0.042	Increasing	TRUE
1086	K	0	5	0.592	No Trend	FALSE
1086	Mg	9	5	0.025	Increasing	TRUE
1086	Na	-8	5	0.042	Decreasing	TRUE
1086	SO4	6	5	0.117	Increasing	FALSE
1086	TDS	-4	5	0.242	Decreasing	FALSE
1087	Ca	2	5	0.408	Increasing	FALSE
1087	Cl	-5	5	0.18	Decreasing	FALSE
1087	CO3	0	5	0.592	No Trend	FALSE
1087	HCO3	-2	5	0.408	Decreasing	FALSE
1087	K	-5	5	0.18	Decreasing	FALSE
1087	Mg	4	5	0.242	Increasing	FALSE
1087	Na	-2	5	0.408	Decreasing	FALSE
1087	SO4	6	5	0.117	Increasing	FALSE
1087	TDS	2	5	0.408	Increasing	FALSE
1088	Ca	6	4	0.042	Increasing	TRUE
1088	Cl	4	4	0.167	Increasing	FALSE
1088	CO3	0	4	0.625	No Trend	FALSE
1088	HCO3	6	4	0.042	Increasing	TRUE
1088	K	-3	4	0.271	Decreasing	FALSE
1088	Mg	4	4	0.167	Increasing	FALSE
1088	Na	4	4	0.167	Increasing	FALSE
1088	pH, Lab	-6	4	0.042	Decreasing	TRUE
1088	SO4	-4	4	0.167	Decreasing	FALSE
1088	TDS	6	4	0.042	Increasing	TRUE
1098	ALK, Total	2	5	0.408	Increasing	FALSE
1098	Ca	-1	6	0.5	Decreasing	FALSE
1098	Cl	0	6	-8888	No Trend	TRUE
1098	CO3	9	5	0.025	Increasing	TRUE
1098	HCO3	-4	5	0.242	Decreasing	FALSE
1098	K	-2	6	0.43	Decreasing	FALSE
1098	Mg	-1	6	0.5	Decreasing	FALSE
1098	Na	1	6	0.5	Increasing	FALSE
1098	pH, Lab	5	6	0.235	Increasing	FALSE
1098	SO4	0	6	-8888	No Trend	TRUE
1098	TDS	-1	6	0.5	Decreasing	FALSE
1102	ALK, Total	8	5	0.042	Increasing	TRUE
1102	Ca	4	4	0.167	Increasing	FALSE
1102	Cl	10	5	0.008	Increasing	TRUE
1102	HCO3	-1	4	0.5	Decreasing	FALSE
1102	K	4	4	0.167	Increasing	FALSE
1102	Mg	4	4	0.167	Increasing	FALSE
1102	Na	6	4	0.042	Increasing	TRUE
1102	pH, Lab	-2	5	0.408	Decreasing	FALSE
1102	SO4	4	5	0.242	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
1102	TDS	9	5	0.025	Increasing	TRUE
1103	ALK, Total	0	5	0.592	No Trend	FALSE
1103	Ca	-10	7	0.094	Decreasing	FALSE
1103	Cl	-4	7	0.334	Decreasing	FALSE
1103	CO3	0	7	-8888	No Trend	TRUE
1103	HCO3	9	7	0.119	Increasing	FALSE
1103	K	-7	7	0.191	Decreasing	FALSE
1103	Mg	-4	7	0.334	Decreasing	FALSE
1103	Na	-1	7	0.5	Decreasing	FALSE
1103	pH, Lab	1	7	0.5	Increasing	FALSE
1103	SO4	0	7	-8888	No Trend	TRUE
1103	TDS	-11	7	0.068	Decreasing	FALSE
1118	Methane	2	4	0.375	Increasing	FALSE
1123	ALK, Total	2	4	0.375	Increasing	FALSE
1123	Ca	-2	4	0.375	Decreasing	FALSE
1123	CO3	2	4	0.375	Increasing	FALSE
1123	HCO3	2	4	0.375	Increasing	FALSE
1123	K	-1	4	0.5	Decreasing	FALSE
1123	Mg	-1	4	0.5	Decreasing	FALSE
1123	Na	0	4	0.625	No Trend	FALSE
1123	pH, Lab	0	4	0.625	No Trend	FALSE
1123	SO4	0	4	0.625	No Trend	FALSE
1123	TDS	3	4	0.271	Increasing	FALSE
1126	ALK, Total	-4	6	0.298	Decreasing	FALSE
1126	Ca	-7	6	0.136	Decreasing	FALSE
1126	Cl	-2	7	0.443	Decreasing	FALSE
1126	CO3	0	5	0.592	No Trend	FALSE
1126	HCO3	-4	6	0.298	Decreasing	FALSE
1126	K	1	6	0.5	Increasing	FALSE
1126	Methane	7	7	0.191	Increasing	FALSE
1126	Mg	-5	6	0.235	Decreasing	FALSE
1126	Na	-5	6	0.235	Decreasing	FALSE
1126	pH, Lab	-1	7	0.5	Decreasing	FALSE
1126	SO4	-7	7	0.191	Decreasing	FALSE
1126	TDS	-4	7	0.334	Decreasing	FALSE
1146	Ca	0	4	0.625	No Trend	FALSE
1146	K	1	4	0.5	Increasing	FALSE
1146	Methane	0	4	0.625	No Trend	FALSE
1146	Mg	0	4	0.625	No Trend	FALSE
1146	Na	2	4	0.375	Increasing	FALSE
1146	pH, Lab	-2	4	0.375	Decreasing	FALSE
1146	SO4	-5	4	0.105	Decreasing	FALSE
1146	TDS	0	4	0.625	No Trend	FALSE
1147	Ca	-6	5	0.117	Decreasing	FALSE
1147	Cl	-3	4	0.271	Decreasing	FALSE
1147	K	-8	5	0.042	Decreasing	TRUE
1147	Methane	0	5	0.592	No Trend	FALSE
1147	Mg	-7	5	0.08	Decreasing	FALSE
1147	Na	-2	5	0.408	Decreasing	FALSE
1147	pH, Lab	2	5	0.408	Increasing	FALSE
1147	SO4	-4	5	0.242	Decreasing	FALSE
1147	TDS	-6	5	0.117	Decreasing	FALSE
1150	Ca	8	5	0.042	Increasing	TRUE
1150	Cl	1	5	0.5	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
1150	CO3	0	4	0.625	No Trend	FALSE
1150	HCO3	6	4	0.042	Increasing	TRUE
1150	K	0	5	0.592	No Trend	FALSE
1150	Methane	0	5	0.592	No Trend	FALSE
1150	Mg	9	5	0.025	Increasing	TRUE
1150	Na	8	5	0.042	Increasing	TRUE
1150	pH, Lab	-6	5	0.117	Decreasing	FALSE
1150	SO4	-2	5	0.408	Decreasing	FALSE
1150	TDS	4	5	0.242	Increasing	FALSE
1153	Ca	8	5	0.042	Increasing	TRUE
1153	Cl	-2	4	0.375	Decreasing	FALSE
1153	K	4	5	0.242	Increasing	FALSE
1153	Methane	0	5	0.592	No Trend	FALSE
1153	Mg	8	5	0.042	Increasing	TRUE
1153	Na	-7	5	0.08	Decreasing	FALSE
1153	pH, Lab	-6	5	0.117	Decreasing	FALSE
1153	SO4	-9	5	0.025	Decreasing	TRUE
1153	TDS	-4	5	0.242	Decreasing	FALSE
1155	Ca	4	4	0.167	Increasing	FALSE
1155	K	5	4	0.105	Increasing	FALSE
1155	Methane	0	4	0.625	No Trend	FALSE
1155	Mg	4	4	0.167	Increasing	FALSE
1155	Na	-4	4	0.167	Decreasing	FALSE
1155	pH, Lab	-3	4	0.271	Decreasing	FALSE
1155	SO4	-2	4	0.375	Decreasing	FALSE
1155	TDS	-4	4	0.167	Decreasing	FALSE
1156	Ca	6	4	0.042	Increasing	TRUE
1156	K	-1	4	0.5	Decreasing	FALSE
1156	Methane	0	4	0.625	No Trend	FALSE
1156	Mg	6	4	0.042	Increasing	TRUE
1156	Na	-4	4	0.167	Decreasing	FALSE
1156	pH, Lab	1	4	0.5	Increasing	FALSE
1156	SO4	0	4	0.625	No Trend	FALSE
1156	TDS	3	4	0.271	Increasing	FALSE
1162	Ca	0	4	0.625	No Trend	FALSE
1162	Cl	-6	4	0.042	Decreasing	TRUE
1162	K	-1	4	0.5	Decreasing	FALSE
1162	Methane	0	4	0.625	No Trend	FALSE
1162	Mg	0	4	0.625	No Trend	FALSE
1162	Na	-4	4	0.167	Decreasing	FALSE
1162	pH, Lab	-2	4	0.375	Decreasing	FALSE
1162	SO4	-6	4	0.042	Decreasing	TRUE
1162	TDS	-4	4	0.167	Decreasing	FALSE
1163	ALK, Total	-3	4	0.271	Decreasing	FALSE
1163	Ca	-4	4	0.167	Decreasing	FALSE
1163	CO3	0	4	0.625	No Trend	FALSE
1163	HCO3	-3	4	0.271	Decreasing	FALSE
1163	K	5	4	0.105	Increasing	FALSE
1163	Methane	0	4	0.625	No Trend	FALSE
1163	Mg	0	4	0.625	No Trend	FALSE
1163	Na	4	4	0.167	Increasing	FALSE
1163	pH, Lab	-2	4	0.375	Decreasing	FALSE
1163	SO4	2	4	0.375	Increasing	FALSE
1163	TDS	6	4	0.042	Increasing	TRUE

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Well ID	Analyte	S	N	Probability	Trend	Significance
1205	ALK, Total	0	4	0.625	No Trend	FALSE
1205	Ca	1	4	0.5	Increasing	FALSE
1205	Cl	4	4	0.167	Increasing	FALSE
1205	CO3	0	4	0.625	No Trend	FALSE
1205	HCO3	-1	4	0.5	Decreasing	FALSE
1205	K	-3	4	0.271	Decreasing	FALSE
1205	Mg	0	4	0.625	No Trend	FALSE
1205	Na	-2	4	0.375	Decreasing	FALSE
1205	pH, Lab	1	4	0.5	Increasing	FALSE
1205	SO4	-5	4	0.105	Decreasing	FALSE
1205	TDS	4	4	0.167	Increasing	FALSE
1206	Ca	-2	4	0.375	Decreasing	FALSE
1206	Cl	1	4	0.5	Increasing	FALSE
1206	K	1	4	0.5	Increasing	FALSE
1206	Methane	-4	5	0.242	Decreasing	FALSE
1206	Mg	-3	4	0.271	Decreasing	FALSE
1206	Na	0	4	0.625	No Trend	FALSE
1206	pH, Lab	2	4	0.375	Increasing	FALSE
1206	SO4	-2	4	0.375	Decreasing	FALSE
1206	TDS	0	4	0.625	No Trend	FALSE
1265	Ca	5	6	0.235	Increasing	FALSE
1265	Cl	3	6	0.36	Increasing	FALSE
1265	K	3	6	0.36	Increasing	FALSE
1265	Methane	-4	8	0.36	Decreasing	FALSE
1265	Mg	5	6	0.235	Increasing	FALSE
1265	Na	1	6	0.5	Increasing	FALSE
1265	pH, Lab	3	6	0.36	Increasing	FALSE
1265	SO4	8	6	0.102	Increasing	FALSE
1265	TDS	-4	8	0.36	Decreasing	FALSE
1266	ALK, Total	0	4	0.625	No Trend	FALSE
1266	Ca	9	6	0.068	Increasing	FALSE
1266	Cl	5	6	0.235	Increasing	FALSE
1266	CO3	3	4	0.271	Increasing	FALSE
1266	HCO3	0	4	0.625	No Trend	FALSE
1266	K	4	6	0.298	Increasing	FALSE
1266	Methane	-9	7	0.119	Decreasing	FALSE
1266	Mg	8	6	0.102	Increasing	FALSE
1266	Na	-1	6	0.5	Decreasing	FALSE
1266	pH, Lab	-3	6	0.36	Decreasing	FALSE
1266	SO4	11	6	0.028	Increasing	TRUE
1266	TDS	8	8	0.199	Increasing	FALSE
1267	ALK, Total	6	4	0.042	Increasing	TRUE
1267	Ca	-13	6	0.008	Decreasing	TRUE
1267	Cl	-15	6	0.001	Decreasing	TRUE
1267	CO3	0	4	0.625	No Trend	FALSE
1267	HCO3	6	4	0.042	Increasing	TRUE
1267	K	-13	6	0.008	Decreasing	TRUE
1267	Methane	-13	7	0.035	Decreasing	TRUE
1267	Mg	-11	6	0.028	Decreasing	TRUE
1267	Na	-11	6	0.028	Decreasing	TRUE
1267	pH, Lab	5	6	0.235	Increasing	FALSE
1267	SO4	10	6	0.048	Increasing	TRUE
1267	TDS	-21	7	-9999	Decreasing	TRUE
1288	Ca	6	5	0.117	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
1288	Cl	5	5	0.18	Increasing	FALSE
1288	CO3	-2	5	0.408	Decreasing	FALSE
1288	HCO3	-1	5	0.5	Decreasing	FALSE
1288	K	4	5	0.242	Increasing	FALSE
1288	Mg	7	5	0.08	Increasing	FALSE
1288	Na	-2	5	0.408	Decreasing	FALSE
1288	pH, Lab	0	5	0.592	No Trend	FALSE
1288	SO4	-7	5	0.08	Decreasing	FALSE
1288	TDS	8	5	0.042	Increasing	TRUE
1291	Ca	-3	4	0.271	Decreasing	FALSE
1291	Cl	-4	4	0.167	Decreasing	FALSE
1291	CO3	-2	4	0.375	Decreasing	FALSE
1291	HCO3	4	4	0.167	Increasing	FALSE
1291	K	-4	4	0.167	Decreasing	FALSE
1291	Mg	-3	4	0.271	Decreasing	FALSE
1291	Na	0	4	0.625	No Trend	FALSE
1291	pH, Lab	-1	4	0.5	Decreasing	FALSE
1291	SO4	-1	4	0.5	Decreasing	FALSE
1291	TDS	5	4	0.105	Increasing	FALSE
1292	Ca	6	4	0.042	Increasing	TRUE
1292	Cl	4	4	0.167	Increasing	FALSE
1292	CO3	0	4	0.625	No Trend	FALSE
1292	HCO3	6	4	0.042	Increasing	TRUE
1292	K	5	4	0.105	Increasing	FALSE
1292	Mg	6	4	0.042	Increasing	TRUE
1292	Na	6	4	0.042	Increasing	TRUE
1292	pH, Lab	-2	4	0.375	Decreasing	FALSE
1292	SO4	6	4	0.042	Increasing	TRUE
1292	TDS	6	4	0.042	Increasing	TRUE
1294	ALK, Total	6	5	0.117	Increasing	FALSE
1294	Ca	6	5	0.117	Increasing	FALSE
1294	Cl	6	5	0.117	Increasing	FALSE
1294	CO3	-4	5	0.242	Decreasing	FALSE
1294	HCO3	8	5	0.042	Increasing	TRUE
1294	K	7	5	0.08	Increasing	FALSE
1294	Mg	6	5	0.117	Increasing	FALSE
1294	Na	8	5	0.042	Increasing	TRUE
1294	pH, Lab	-8	5	0.042	Decreasing	TRUE
1294	SO4	6	5	0.117	Increasing	FALSE
1294	TDS	6	5	0.117	Increasing	FALSE
1297	Ca	-2	4	0.375	Decreasing	FALSE
1297	Cl	-4	4	0.167	Decreasing	FALSE
1297	CO3	0	4	0.625	No Trend	FALSE
1297	HCO3	4	4	0.167	Increasing	FALSE
1297	K	3	4	0.271	Increasing	FALSE
1297	Mg	-2	4	0.375	Decreasing	FALSE
1297	Na	2	4	0.375	Increasing	FALSE
1297	pH, Lab	4	4	0.167	Increasing	FALSE
1297	SO4	4	4	0.167	Increasing	FALSE
1297	TDS	0	4	0.625	No Trend	FALSE
1298	Ca	0	4	0.625	No Trend	FALSE
1298	Cl	2	4	0.375	Increasing	FALSE
1298	CO3	5	4	0.105	Increasing	FALSE
1298	HCO3	-2	4	0.375	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
1298	K	0	4	0.625	No Trend	FALSE
1298	Mg	0	4	0.625	No Trend	FALSE
1298	Na	-4	4	0.167	Decreasing	FALSE
1298	pH, Lab	2	4	0.375	Increasing	FALSE
1298	SO4	-2	4	0.375	Decreasing	FALSE
1298	TDS	0	4	0.625	No Trend	FALSE
1305	ALK, Total	4	5	0.242	Increasing	FALSE
1305	Ca	-4	5	0.242	Decreasing	FALSE
1305	Cl	0	5	0.592	No Trend	FALSE
1305	CO3	4	5	0.242	Increasing	FALSE
1305	HCO3	-2	5	0.408	Decreasing	FALSE
1305	K	-8	5	0.042	Decreasing	TRUE
1305	Mg	-8	5	0.042	Decreasing	TRUE
1305	Na	2	5	0.408	Increasing	FALSE
1305	pH, Lab	6	5	0.117	Increasing	FALSE
1305	SO4	-1	5	0.5	Decreasing	FALSE
1305	TDS	-3	5	0.325	Decreasing	FALSE
1312	ALK, Total	-4	4	0.167	Decreasing	FALSE
1312	Ca	-11	7	0.068	Decreasing	FALSE
1312	Cl	-25	8	0.001	Decreasing	TRUE
1312	HCO3	-4	4	0.167	Decreasing	FALSE
1312	K	-7	7	0.191	Decreasing	FALSE
1312	Methane	0	6	-8888	No Trend	TRUE
1312	Mg	-11	7	0.068	Decreasing	FALSE
1312	Na	-13	7	0.035	Decreasing	TRUE
1312	pH, Lab	-4	8	0.36	Decreasing	FALSE
1312	SO4	-8	8	0.199	Decreasing	FALSE
1312	TDS	-24	8	0.001	Decreasing	TRUE
1314	Ca	4	4	0.167	Increasing	FALSE
1314	Cl	4	4	0.167	Increasing	FALSE
1314	K	-3	4	0.271	Decreasing	FALSE
1314	Mg	1	4	0.5	Increasing	FALSE
1314	Na	-1	4	0.5	Decreasing	FALSE
1314	SO4	0	4	0.625	No Trend	FALSE
1314	TDS	6	4	0.042	Increasing	TRUE
1326	Ca	-2	4	0.375	Decreasing	FALSE
1326	K	-1	4	0.5	Decreasing	FALSE
1326	Methane	-1	4	0.5	Decreasing	FALSE
1326	Mg	-2	4	0.375	Decreasing	FALSE
1326	Na	-4	4	0.167	Decreasing	FALSE
1326	pH, Lab	0	4	0.625	No Trend	FALSE
1326	SO4	-4	4	0.167	Decreasing	FALSE
1326	TDS	-4	4	0.167	Decreasing	FALSE
1331	Ca	-6	4	0.042	Decreasing	TRUE
1331	K	-5	4	0.105	Decreasing	FALSE
1331	Methane	-6	4	0.042	Decreasing	TRUE
1331	Mg	-4	4	0.167	Decreasing	FALSE
1331	Na	-6	4	0.042	Decreasing	TRUE
1331	pH, Lab	2	4	0.375	Increasing	FALSE
1331	SO4	5	4	0.105	Increasing	FALSE
1331	TDS	-6	4	0.042	Decreasing	TRUE
1336	Methane	4	4	0.167	Increasing	FALSE
1343	Methane	2	4	0.375	Increasing	FALSE
1356	Ca	-4	4	0.167	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
1356	K	-2	4	0.375	Decreasing	FALSE
1356	Methane	-4	4	0.167	Decreasing	FALSE
1356	Mg	0	4	0.625	No Trend	FALSE
1356	Na	-4	4	0.167	Decreasing	FALSE
1356	pH, Lab	-1	4	0.5	Decreasing	FALSE
1356	SO4	1	4	0.5	Increasing	FALSE
1356	TDS	0	4	0.625	No Trend	FALSE
1358	Ca	-6	5	0.117	Decreasing	FALSE
1358	Cl	4	5	0.242	Increasing	FALSE
1358	K	-7	5	0.08	Decreasing	FALSE
1358	Methane	6	5	0.117	Increasing	FALSE
1358	Mg	-4	5	0.242	Decreasing	FALSE
1358	Na	4	5	0.242	Increasing	FALSE
1358	pH, Lab	5	5	0.18	Increasing	FALSE
1358	SO4	-6	5	0.117	Decreasing	FALSE
1358	TDS	4	5	0.242	Increasing	FALSE
1359	Ca	-2	4	0.375	Decreasing	FALSE
1359	K	-3	4	0.271	Decreasing	FALSE
1359	Methane	-4	4	0.167	Decreasing	FALSE
1359	Mg	0	4	0.625	No Trend	FALSE
1359	Na	-2	4	0.375	Decreasing	FALSE
1359	pH, Lab	-2	4	0.375	Decreasing	FALSE
1359	SO4	2	4	0.375	Increasing	FALSE
1359	TDS	6	4	0.042	Increasing	TRUE
1370	Ca	-4	4	0.167	Decreasing	FALSE
1370	Cl	-4	4	0.167	Decreasing	FALSE
1370	K	-4	4	0.167	Decreasing	FALSE
1370	Mg	0	4	0.625	No Trend	FALSE
1370	Na	-3	4	0.271	Decreasing	FALSE
1370	pH, Lab	-1	4	0.5	Decreasing	FALSE
1370	SO4	-4	4	0.167	Decreasing	FALSE
1370	TDS	-2	4	0.375	Decreasing	FALSE
1371	Ca	-2	4	0.375	Decreasing	FALSE
1371	Cl	0	4	0.625	No Trend	FALSE
1371	HCO3	1	4	0.5	Increasing	FALSE
1371	K	-1	4	0.5	Decreasing	FALSE
1371	Methane	-2	4	0.375	Decreasing	FALSE
1371	Mg	0	4	0.625	No Trend	FALSE
1371	Na	-2	4	0.375	Decreasing	FALSE
1371	pH, Lab	-3	4	0.271	Decreasing	FALSE
1371	SO4	-3	4	0.271	Decreasing	FALSE
1371	TDS	0	4	0.625	No Trend	FALSE
1381	Methane	-4	4	0.167	Decreasing	FALSE
1395	Ca	-4	4	0.167	Decreasing	FALSE
1395	Cl	-4	4	0.167	Decreasing	FALSE
1395	K	-3	4	0.271	Decreasing	FALSE
1395	Mg	-6	4	0.042	Decreasing	TRUE
1395	Na	-4	4	0.167	Decreasing	FALSE
1395	pH, Lab	2	4	0.375	Increasing	FALSE
1395	SO4	-1	4	0.5	Decreasing	FALSE
1395	TDS	-4	4	0.167	Decreasing	FALSE
1411	Ca	0	4	0.625	No Trend	FALSE
1411	K	-2	4	0.375	Decreasing	FALSE
1411	Methane	-3	4	0.271	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
1411	Mg	0	4	0.625	No Trend	FALSE
1411	Na	1	4	0.5	Increasing	FALSE
1411	pH, Lab	4	4	0.167	Increasing	FALSE
1411	SO4	-2	4	0.375	Decreasing	FALSE
1411	TDS	0	4	0.625	No Trend	FALSE
1413	ALK, Total	0	4	0.625	No Trend	FALSE
1413	Ca	0	4	0.625	No Trend	FALSE
1413	Cl	7	5	0.08	Increasing	FALSE
1413	CO3	4	4	0.167	Increasing	FALSE
1413	HCO3	0	4	0.625	No Trend	FALSE
1413	K	-1	4	0.5	Decreasing	FALSE
1413	Mg	-2	4	0.375	Decreasing	FALSE
1413	Na	2	4	0.375	Increasing	FALSE
1413	pH, Lab	0	5	0.592	No Trend	FALSE
1413	SO4	-8	5	0.042	Decreasing	TRUE
1413	TDS	-6	5	0.117	Decreasing	FALSE
1514	ALK, Total	-6	4	0.042	Decreasing	TRUE
1514	Ca	4	4	0.167	Increasing	FALSE
1514	Cl	4	4	0.167	Increasing	FALSE
1514	CO3	-5	4	0.105	Decreasing	FALSE
1514	HCO3	-6	4	0.042	Decreasing	TRUE
1514	K	-2	4	0.375	Decreasing	FALSE
1514	Mg	5	4	0.105	Increasing	FALSE
1514	Na	4	4	0.167	Increasing	FALSE
1514	pH, Lab	-4	4	0.167	Decreasing	FALSE
1514	SO4	-4	4	0.167	Decreasing	FALSE
1514	TDS	4	4	0.167	Increasing	FALSE
1592	Methane	0	4	0.625	No Trend	FALSE
3039	Ca	-10	6	0.048	Decreasing	TRUE
3039	Cl	-8	6	0.102	Decreasing	FALSE
3039	K	-1	4	0.5	Decreasing	FALSE
3039	Na	-3	6	0.36	Decreasing	FALSE
3039	pH, Lab	-1	5	0.5	Decreasing	FALSE
3039	SO4	5	6	0.235	Increasing	FALSE
3039	TDS	-1	6	0.5	Decreasing	FALSE
3143	Ca	3	4	0.271	Increasing	FALSE
3143	Na	4	4	0.167	Increasing	FALSE
3143	pH, Lab	0	4	0.625	No Trend	FALSE
3143	SO4	-2	4	0.375	Decreasing	FALSE
3143	TDS	0	4	0.625	No Trend	FALSE
3211	Na	-4	4	0.167	Decreasing	FALSE
3211	pH, Lab	6	4	0.042	Increasing	TRUE
3211	TDS	2	4	0.375	Increasing	FALSE
3296	Ca	0	4	0.625	No Trend	FALSE
3296	Cl	1	4	0.5	Increasing	FALSE
3296	HCO3	0	4	0.625	No Trend	FALSE
3296	K	2	4	0.375	Increasing	FALSE
3296	Mg	2	4	0.375	Increasing	FALSE
3296	Na	2	4	0.375	Increasing	FALSE
3296	pH, Lab	-2	4	0.375	Decreasing	FALSE
3296	SO4	0	4	0.625	No Trend	FALSE
3296	TDS	0	4	0.625	No Trend	FALSE
3305	Ca	0	4	0.625	No Trend	FALSE
3305	K	-4	4	0.167	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
3305	Mg	-3	4	0.271	Decreasing	FALSE
3305	Na	-5	4	0.105	Decreasing	FALSE
3305	pH, Lab	-6	4	0.042	Decreasing	TRUE
3305	SO4	-6	4	0.042	Decreasing	TRUE
3305	TDS	-4	4	0.167	Decreasing	FALSE
3323	Ca	0	4	0.625	No Trend	FALSE
3323	Cl	-2	4	0.375	Decreasing	FALSE
3323	HCO3	6	4	0.042	Increasing	TRUE
3323	K	5	4	0.105	Increasing	FALSE
3323	Mg	4	4	0.167	Increasing	FALSE
3323	Na	2	4	0.375	Increasing	FALSE
3323	pH, Lab	0	4	0.625	No Trend	FALSE
3323	SO4	2	4	0.375	Increasing	FALSE
3389	ALK, Total	-10	6	0.048	Decreasing	TRUE
3389	Ca	-1	9	0.5	Decreasing	FALSE
3389	Cl	-10	9	0.179	Decreasing	FALSE
3389	CO3	3	4	0.271	Increasing	FALSE
3389	HCO3	-7	5	0.08	Decreasing	FALSE
3389	K	-18	8	0.016	Decreasing	TRUE
3389	Methane	7	7	0.191	Increasing	FALSE
3389	Mg	-11	8	0.114	Decreasing	FALSE
3389	Na	-3	9	0.421	Decreasing	FALSE
3389	pH, Lab	0	9	0.54	No Trend	FALSE
3389	SO4	-9	9	0.209	Decreasing	FALSE
3389	TDS	-9	8	0.169	Decreasing	FALSE
3396	Ca	-4	4	0.167	Decreasing	FALSE
3396	Cl	-2	4	0.375	Decreasing	FALSE
3396	CO3	-4	4	0.167	Decreasing	FALSE
3396	HCO3	-2	4	0.375	Decreasing	FALSE
3396	K	-4	4	0.167	Decreasing	FALSE
3396	Mg	0	4	0.625	No Trend	FALSE
3396	Na	-2	4	0.375	Decreasing	FALSE
3396	pH, Lab	0	4	0.625	No Trend	FALSE
3396	SO4	-2	4	0.375	Decreasing	FALSE
3396	TDS	-6	4	0.042	Decreasing	TRUE
3401	Ca	0	8	0.548	No Trend	FALSE
3401	Cl	-8	8	0.199	Decreasing	FALSE
3401	K	-6	6	0.186	Decreasing	FALSE
3401	Mg	-1	8	0.5	Decreasing	FALSE
3401	Na	5	8	0.317	Increasing	FALSE
3401	pH, Lab	-12	6	0.018	Decreasing	TRUE
3401	SO4	-9	8	0.169	Decreasing	FALSE
3401	TDS	7	8	0.237	Increasing	FALSE
3403	Ca	5	6	0.235	Increasing	FALSE
3403	Cl	0	6	-8888	No Trend	TRUE
3403	CO3	-9	6	0.068	Decreasing	FALSE
3403	HCO3	6	6	0.186	Increasing	FALSE
3403	K	0	6	-8888	No Trend	TRUE
3403	Mg	0	6	-8888	No Trend	TRUE
3403	Na	10	6	0.048	Increasing	TRUE
3403	pH, Lab	-2	6	0.43	Decreasing	FALSE
3403	SO4	-7	6	0.136	Decreasing	FALSE
3403	TDS	-10	6	0.048	Decreasing	TRUE
3430	Ca	0	4	0.625	No Trend	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
3430	Mg	0	4	0.625	No Trend	FALSE
3430	Na	-2	4	0.375	Decreasing	FALSE
3430	pH, Lab	-2	4	0.375	Decreasing	FALSE
3430	SO4	-4	4	0.167	Decreasing	FALSE
3430	TDS	-3	4	0.271	Decreasing	FALSE
3439	Ca	2	4	0.375	Increasing	FALSE
3439	Cl	-2	4	0.375	Decreasing	FALSE
3439	K	-2	4	0.375	Decreasing	FALSE
3439	Mg	0	4	0.625	No Trend	FALSE
3439	Na	-4	4	0.167	Decreasing	FALSE
3439	pH, Lab	2	4	0.375	Increasing	FALSE
3439	SO4	-3	4	0.271	Decreasing	FALSE
3439	TDS	-4	4	0.167	Decreasing	FALSE
3440	Ca	-6	5	0.117	Decreasing	FALSE
3440	Cl	4	5	0.242	Increasing	FALSE
3440	K	-5	5	0.18	Decreasing	FALSE
3440	Mg	-5	5	0.18	Decreasing	FALSE
3440	Na	-2	5	0.408	Decreasing	FALSE
3440	pH, Lab	-1	4	0.5	Decreasing	FALSE
3440	SO4	-2	5	0.408	Decreasing	FALSE
3440	TDS	-1	5	0.5	Decreasing	FALSE
3441	ALK, Total	-6	4	0.042	Decreasing	TRUE
3441	Ca	-2	5	0.408	Decreasing	FALSE
3441	Cl	4	4	0.167	Increasing	FALSE
3441	CO3	-3	4	0.271	Decreasing	FALSE
3441	HCO3	-6	4	0.042	Decreasing	TRUE
3441	K	-6	5	0.117	Decreasing	FALSE
3441	Methane	2	4	0.375	Increasing	FALSE
3441	Mg	-3	5	0.325	Decreasing	FALSE
3441	Na	2	5	0.408	Increasing	FALSE
3441	pH, Lab	-2	5	0.408	Decreasing	FALSE
3441	SO4	-4	5	0.242	Decreasing	FALSE
3441	TDS	-10	5	0.008	Decreasing	TRUE
3442	Ca	7	7	0.191	Increasing	FALSE
3442	Cl	2	7	0.443	Increasing	FALSE
3442	K	3	7	0.386	Increasing	FALSE
3442	Methane	-4	4	0.167	Decreasing	FALSE
3442	Mg	3	4	0.271	Increasing	FALSE
3442	Na	-7	7	0.191	Decreasing	FALSE
3442	pH, Lab	-5	7	0.281	Decreasing	FALSE
3442	SO4	-2	7	0.443	Decreasing	FALSE
3442	TDS	-11	7	0.068	Decreasing	FALSE
3443	Ca	12	6	0.018	Increasing	TRUE
3443	Cl	1	6	0.5	Increasing	FALSE
3443	HCO3	-1	4	0.5	Decreasing	FALSE
3443	K	4	6	0.298	Increasing	FALSE
3443	Mg	11	6	0.028	Increasing	TRUE
3443	Na	9	6	0.068	Increasing	FALSE
3443	pH, Lab	11	6	0.028	Increasing	TRUE
3443	SO4	3	6	0.36	Increasing	FALSE
3443	TDS	-1	6	0.5	Decreasing	FALSE
3451	Ca	-9	6	0.068	Decreasing	FALSE
3451	Cl	1	6	0.5	Increasing	FALSE
3451	K	-6	6	0.186	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
3451	Mg	-7	6	0.136	Decreasing	FALSE
3451	Na	4	6	0.298	Increasing	FALSE
3451	pH, Lab	4	6	0.298	Increasing	FALSE
3451	SO4	-4	6	0.298	Decreasing	FALSE
3451	TDS	1	6	0.5	Increasing	FALSE
3458	Ca	-6	4	0.042	Decreasing	TRUE
3458	Cl	-2	4	0.375	Decreasing	FALSE
3458	K	-5	4	0.105	Decreasing	FALSE
3458	Mg	-6	4	0.042	Decreasing	TRUE
3458	Na	-4	4	0.167	Decreasing	FALSE
3458	SO4	-4	4	0.167	Decreasing	FALSE
3458	TDS	-4	4	0.167	Decreasing	FALSE
3461	ALK, Total	4	5	0.242	Increasing	FALSE
3461	Ca	13	6	0.008	Increasing	TRUE
3461	Cl	-3	5	0.325	Decreasing	FALSE
3461	CO3	-9	5	0.025	Decreasing	TRUE
3461	HCO3	6	5	0.117	Increasing	FALSE
3461	K	5	5	0.18	Increasing	FALSE
3461	Methane	3	5	0.325	Increasing	FALSE
3461	Mg	4	5	0.242	Increasing	FALSE
3461	Na	-1	6	0.5	Decreasing	FALSE
3461	pH, Lab	-5	6	0.235	Decreasing	FALSE
3461	SO4	4	6	0.298	Increasing	FALSE
3461	TDS	-7	6	0.136	Decreasing	FALSE
3465	ALK, Total	-2	4	0.375	Decreasing	FALSE
3465	Ca	4	4	0.167	Increasing	FALSE
3465	HCO3	-4	4	0.167	Decreasing	FALSE
3465	K	5	4	0.105	Increasing	FALSE
3465	Methane	-1	4	0.5	Decreasing	FALSE
3465	Mg	6	4	0.042	Increasing	TRUE
3465	Na	-6	4	0.042	Decreasing	TRUE
3465	pH, Lab	-3	4	0.271	Decreasing	FALSE
3465	SO4	-6	4	0.042	Decreasing	TRUE
3465	TDS	-2	4	0.375	Decreasing	FALSE
3475	Ca	9	7	0.119	Increasing	FALSE
3475	Cl	-11	7	0.068	Decreasing	FALSE
3475	K	1	7	0.5	Increasing	FALSE
3475	Mg	5	7	0.281	Increasing	FALSE
3475	Na	-9	7	0.119	Decreasing	FALSE
3475	pH, Lab	-5	6	0.235	Decreasing	FALSE
3475	SO4	-3	7	0.386	Decreasing	FALSE
3475	TDS	-13	7	0.035	Decreasing	TRUE
3476	Ca	-6	7	0.236	Decreasing	FALSE
3476	Cl	-18	7	0.003	Decreasing	TRUE
3476	K	3	7	0.386	Increasing	FALSE
3476	Mg	6	5	0.117	Increasing	FALSE
3476	Na	-17	7	0.005	Decreasing	TRUE
3476	pH, Lab	-15	6	0.001	Decreasing	TRUE
3476	SO4	-11	7	0.068	Decreasing	FALSE
3476	TDS	-26	8	-9999	Decreasing	TRUE
3477	Methane	0	4	0.625	No Trend	FALSE
3478	Ca	-2	4	0.375	Decreasing	FALSE
3478	Cl	-3	4	0.271	Decreasing	FALSE
3478	K	1	4	0.5	Increasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
3478	Methane	-2	4	0.375	Decreasing	FALSE
3478	Mg	1	4	0.5	Increasing	FALSE
3478	Na	0	4	0.625	No Trend	FALSE
3478	pH, Lab	-4	4	0.167	Decreasing	FALSE
3478	SO4	-3	4	0.271	Decreasing	FALSE
3478	TDS	0	4	0.625	No Trend	FALSE
3479	Ca	6	5	0.117	Increasing	FALSE
3479	K	2	5	0.408	Increasing	FALSE
3479	Mg	6	5	0.117	Increasing	FALSE
3479	Na	0	5	0.592	No Trend	FALSE
3479	pH, Lab	-4	4	0.167	Decreasing	FALSE
3479	SO4	2	5	0.408	Increasing	FALSE
3479	TDS	2	4	0.375	Increasing	FALSE
3494	Ca	4	4	0.167	Increasing	FALSE
3494	Cl	1	4	0.5	Increasing	FALSE
3494	K	1	4	0.5	Increasing	FALSE
3494	Methane	-5	4	0.105	Decreasing	FALSE
3494	Mg	6	4	0.042	Increasing	TRUE
3494	Na	-4	4	0.167	Decreasing	FALSE
3494	pH, Lab	-2	4	0.375	Decreasing	FALSE
3494	SO4	4	4	0.167	Increasing	FALSE
3494	TDS	2	4	0.375	Increasing	FALSE
3497	Ca	3	4	0.271	Increasing	FALSE
3497	Cl	1	4	0.5	Increasing	FALSE
3497	K	-3	4	0.271	Decreasing	FALSE
3497	Methane	-2	4	0.375	Decreasing	FALSE
3497	Mg	1	4	0.5	Increasing	FALSE
3497	Na	4	4	0.167	Increasing	FALSE
3497	pH, Lab	-4	4	0.167	Decreasing	FALSE
3497	SO4	0	4	0.625	No Trend	FALSE
3497	TDS	0	4	0.625	No Trend	FALSE
3498	Ca	4	4	0.167	Increasing	FALSE
3498	Cl	-1	4	0.5	Decreasing	FALSE
3498	K	0	4	0.625	No Trend	FALSE
3498	Methane	-2	5	0.408	Decreasing	FALSE
3498	Mg	0	4	0.625	No Trend	FALSE
3498	Na	4	4	0.167	Increasing	FALSE
3498	pH, Lab	-6	4	0.042	Decreasing	TRUE
3498	SO4	-3	4	0.271	Decreasing	FALSE
3498	TDS	-1	4	0.5	Decreasing	FALSE
3511	Ca	4	5	0.242	Increasing	FALSE
3511	Cl	-5	5	0.18	Decreasing	FALSE
3511	K	-3	5	0.325	Decreasing	FALSE
3511	Methane	-3	4	0.271	Decreasing	FALSE
3511	Mg	2	5	0.408	Increasing	FALSE
3511	Na	0	5	0.592	No Trend	FALSE
3511	pH, Lab	-8	5	0.042	Decreasing	TRUE
3511	SO4	0	5	0.592	No Trend	FALSE
3511	TDS	-4	5	0.242	Decreasing	FALSE
3517	Methane	-2	4	0.375	Decreasing	FALSE
3518	Ca	0	4	0.625	No Trend	FALSE
3518	Cl	4	4	0.167	Increasing	FALSE
3518	K	1	4	0.5	Increasing	FALSE
3518	Methane	0	4	0.625	No Trend	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
3518	Mg	0	4	0.625	No Trend	FALSE
3518	Na	0	4	0.625	No Trend	FALSE
3518	pH, Lab	-1	4	0.5	Decreasing	FALSE
3518	SO4	0	4	0.625	No Trend	FALSE
3518	TDS	-2	4	0.375	Decreasing	FALSE
3522	Ca	2	4	0.375	Increasing	FALSE
3522	K	2	4	0.375	Increasing	FALSE
3522	Mg	2	4	0.375	Increasing	FALSE
3522	Na	0	4	0.625	No Trend	FALSE
3522	pH, Lab	-2	4	0.375	Decreasing	FALSE
3522	SO4	2	4	0.375	Increasing	FALSE
3522	TDS	-4	4	0.167	Decreasing	FALSE
3536	Ca	-9	5	0.025	Decreasing	TRUE
3536	Cl	0	5	0.592	No Trend	FALSE
3536	HCO3	-9	5	0.025	Decreasing	TRUE
3536	K	0	5	0.592	No Trend	FALSE
3536	Mg	-9	5	0.025	Decreasing	TRUE
3536	Na	5	5	0.18	Increasing	FALSE
3536	pH, Lab	4	4	0.167	Increasing	FALSE
3536	SO4	-9	5	0.025	Decreasing	TRUE
3536	TDS	-9	5	0.025	Decreasing	TRUE
3540	Ca	4	4	0.167	Increasing	FALSE
3540	Cl	3	4	0.271	Increasing	FALSE
3540	K	0	4	0.625	No Trend	FALSE
3540	Methane	-4	4	0.167	Decreasing	FALSE
3540	Mg	3	4	0.271	Increasing	FALSE
3540	Na	0	4	0.625	No Trend	FALSE
3540	pH, Lab	-2	4	0.375	Decreasing	FALSE
3540	SO4	0	4	0.625	No Trend	FALSE
3540	TDS	-2	4	0.375	Decreasing	FALSE
3541	Cl	-4	4	0.167	Decreasing	FALSE
3541	pH, Lab	0	4	0.625	No Trend	FALSE
3541	SO4	0	4	0.625	No Trend	FALSE
3541	TDS	0	4	0.625	No Trend	FALSE
3552	Ca	4	4	0.167	Increasing	FALSE
3552	Cl	-2	4	0.375	Decreasing	FALSE
3552	K	2	4	0.375	Increasing	FALSE
3552	Methane	3	4	0.271	Increasing	FALSE
3552	Mg	0	4	0.625	No Trend	FALSE
3552	Na	6	4	0.042	Increasing	TRUE
3552	pH, Lab	-6	4	0.042	Decreasing	TRUE
3552	SO4	4	4	0.167	Increasing	FALSE
3552	TDS	6	4	0.042	Increasing	TRUE
3554	Methane	-2	4	0.375	Decreasing	FALSE
3556	Methane	0	4	0.625	No Trend	FALSE
3557	Methane	4	4	0.167	Increasing	FALSE
3569	Ca	-4	4	0.167	Decreasing	FALSE
3569	K	-3	4	0.271	Decreasing	FALSE
3569	Methane	4	4	0.167	Increasing	FALSE
3569	Mg	0	4	0.625	No Trend	FALSE
3569	Na	-2	4	0.375	Decreasing	FALSE
3569	pH, Lab	-2	4	0.375	Decreasing	FALSE
3569	SO4	-4	4	0.167	Decreasing	FALSE
3569	TDS	-2	4	0.375	Decreasing	FALSE

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Well ID	Analyte	S	N	Probability	Trend	Significance
3570	Ca	-4	4	0.167	Decreasing	FALSE
3570	K	2	4	0.375	Increasing	FALSE
3570	Methane	0	4	0.625	No Trend	FALSE
3570	Mg	-6	4	0.042	Decreasing	TRUE
3570	Na	0	4	0.625	No Trend	FALSE
3570	pH, Lab	0	4	0.625	No Trend	FALSE
3570	SO4	1	4	0.5	Increasing	FALSE
3570	TDS	4	4	0.167	Increasing	FALSE
3571	Methane	4	4	0.167	Increasing	FALSE
3575	Ca	2	4	0.375	Increasing	FALSE
3575	Cl	4	4	0.167	Increasing	FALSE
3575	K	-1	4	0.5	Decreasing	FALSE
3575	Methane	3	4	0.271	Increasing	FALSE
3575	Mg	4	4	0.167	Increasing	FALSE
3575	Na	4	4	0.167	Increasing	FALSE
3575	pH, Lab	-2	4	0.375	Decreasing	FALSE
3575	SO4	0	4	0.625	No Trend	FALSE
3575	TDS	4	4	0.167	Increasing	FALSE
3579	Methane	-2	4	0.375	Decreasing	FALSE
3582	Methane	0	4	0.625	No Trend	FALSE
3585	Methane	1	4	0.5	Increasing	FALSE
3593	Methane	0	4	0.625	No Trend	FALSE
3595	Methane	-3	4	0.271	Decreasing	FALSE
3596	Methane	0	4	0.625	No Trend	FALSE
3624	Methane	-2	5	0.408	Decreasing	FALSE
3625	Methane	-6	4	0.042	Decreasing	TRUE
3643	ALK, Total	-3	6	0.36	Decreasing	FALSE
3643	Ca	-11	6	0.028	Decreasing	TRUE
3643	Cl	-1	5	0.5	Decreasing	FALSE
3643	CO3	-1	6	0.5	Decreasing	FALSE
3643	HCO3	-3	6	0.36	Decreasing	FALSE
3643	K	-12	6	0.018	Decreasing	TRUE
3643	Methane	3	6	0.36	Increasing	FALSE
3643	Mg	-10	6	0.048	Decreasing	TRUE
3643	Na	-13	6	0.008	Decreasing	TRUE
3643	pH, Lab	0	6	-8888	No Trend	TRUE
3643	SO4	-10	6	0.048	Decreasing	TRUE
3643	TDS	-11	6	0.028	Decreasing	TRUE
3655	Ca	-4	4	0.167	Decreasing	FALSE
3655	K	-3	4	0.271	Decreasing	FALSE
3655	Methane	0	4	0.625	No Trend	FALSE
3655	Mg	-2	4	0.375	Decreasing	FALSE
3655	Na	-2	4	0.375	Decreasing	FALSE
3655	pH, Lab	-2	4	0.375	Decreasing	FALSE
3655	SO4	-2	4	0.375	Decreasing	FALSE
3655	TDS	0	4	0.625	No Trend	FALSE
3663	Methane	0	4	0.625	No Trend	FALSE
3666	Ca	-2	4	0.375	Decreasing	FALSE
3666	K	-6	4	0.042	Decreasing	TRUE
3666	Methane	3	4	0.271	Increasing	FALSE
3666	Mg	-1	4	0.5	Decreasing	FALSE
3666	Na	-4	4	0.167	Decreasing	FALSE
3666	pH, Lab	2	4	0.375	Increasing	FALSE
3666	SO4	2	4	0.375	Increasing	FALSE
3694	Methane	1	4	0.5	Increasing	FALSE