Appendix C
Table C2-1: Metals

Analytical Results for Aluminum

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	ND	< 0.021	mg/L	0.021	U		Aluminum	Metals
PA-MW2	N	ND	< 0.021	mg/L	0.021	U		Aluminum	Metals
PA-MW3	N	ND	< 0.021	mg/L	0.021	U		Aluminum	Metals
PA-GW4	N	=	920	mg/L	0.039			Aluminum	Metals
PA-GW5	N	ND	< 0.033	mg/L	0.033	UJ	2	Aluminum	Metals
PA-GW6	N	ND	< 0.021	mg/L	0.021	U		Aluminum	Metals
PA-GW6B	FD	ND	< 0.021	mg/L	0.021	U		Aluminum	Metals
PA-GW7	N	=	76	mg/L	0.013			Aluminum	Metals
PA-GW8	N	=	79	mg/L	0.013			Aluminum	Metals
PA-GW9	N	ND	< 0.021	mg/L	0.021	U		Aluminum	Metals
PA-GW10	N	ND	< 0.013	mg/L	0.013	U		Aluminum	Metals
PA-GW11	N	ND	< 0.013	mg/L	0.013	U		Aluminum	Metals
PA-GW12	N	ND	< 0.021	mg/L	0.021	U		Aluminum	Metals
PA-GW13	N	ND	< 0.021	mg/L	0.021	U		Aluminum	Metals
PA-GW14	N	ND	< 0.021	mg/L	0.021	U		Aluminum	Metals
PA-GW15	N	ND	< 0.026	mg/L	0.026	U		Aluminum	Metals
PA-GW16	N	ND	< 0.026	mg/L	0.026	U		Aluminum	Metals
PA-GW16B	FD	ND	< 0.026	mg/L	0.026	U		Aluminum	Metals
PA-GW17	N	ND	< 0.03	mg/L	0.03	UJ	2	Aluminum	Metals
PA-GW18	N	=	1.4	mg/L	0.21			Aluminum	Metals
PA-GW19	N	ND	< 0.013	mg/L	0.013	U		Aluminum	Metals
PA-GW20	N	ND	< 0.039	mg/L	0.039	U		Aluminum	Metals
PA-GW21	N	=	4.1	mg/L	0.013			Aluminum	Metals
PA-GW22	N	ND	< 0.013	mg/L	0.013	U		Aluminum	Metals
PA-GW23	N	=	16	mg/L	0.013			Aluminum	Metals
PA-GW24	N	ND	< 0.048	mg/L	0.048	UJ	2	Aluminum	Metals
PA-GW25	N	ND	< 0.039	mg/L	0.039	U		Aluminum	Metals
PA-GW26	N	ND	< 0.013	mg/L	0.013	U		Aluminum	Metals
PA-GW26B	FD	ND	< 0.013	mg/L	0.013	U		Aluminum	Metals
PA-GW27	N	ND	< 0.021	mg/L	0.021	U		Aluminum	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq:
- Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- U — The analyte was not detected above the reported sample quantitation limit.
- UJ — The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Reason Code:
- 2 — Method blank contamination

Appendix C
Table C2-1: Metals

Analytical Results for Antimony

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	ND	< 0.18	µg/L	0.18	UJ	2	Antimony	Metals
PA-MW2	N	=	0.59	µg/L	0.014			Antimony	Metals
PA-MW3	N	ND	< 0.45	µg/L	0.45	UJ	2	Antimony	Metals
PA-GW4	N	ND	< 0.2	µg/L	0.2	U		Antimony	Metals
PA-GW5	N	=	1.1	µg/L	0.014			Antimony	Metals
PA-GW6	N	=	0.78	µg/L	0.014			Antimony	Metals
PA-GW6B	FD	ND	< 0.78	µg/L	0.78	UJ	2	Antimony	Metals
PA-GW7	N	ND	< 0.24	µg/L	0.24	UJ	2	Antimony	Metals
PA-GW8	N	TR	0.3	µg/L	0.2	J	T	Antimony	Metals
PA-GW9	N	ND	< 0.18	µg/L	0.18	UJ	2	Antimony	Metals
PA-GW10	N	=	0.96	µg/L	0.014			Antimony	Metals
PA-GW11	N	=	0.82	µg/L	0.014			Antimony	Metals
PA-GW12	N	=	1.3	µg/L	0.014			Antimony	Metals
PA-GW13	N	=	2.6	µg/L	0.014			Antimony	Metals
PA-GW14	N	=	0.62	µg/L	0.014			Antimony	Metals
PA-GW15	N	ND	< 0.62	µg/L	0.62	UJ	2	Antimony	Metals
PA-GW16	N	ND	< 0.46	µg/L	0.46	UJ	2	Antimony	Metals
PA-GW16B	FD	ND	< 0.47	µg/L	0.47	UJ	2	Antimony	Metals
PA-GW17	N	ND	< 0.4	µg/L	0.4	UJ	2	Antimony	Metals
PA-GW18	N	ND	< 0.087	µg/L	0.087	UJ	2	Antimony	Metals
PA-GW19	N	=	0.61	µg/L	0.014			Antimony	Metals
PA-GW20	N	=	0.63	µg/L	0.014			Antimony	Metals
PA-GW21	N	=	0.61	µg/L	0.014			Antimony	Metals
PA-GW22	N	=	0.84	µg/L	0.014			Antimony	Metals
PA-GW23	N	ND	< 0.84	µg/L	0.84	UJ	7	Antimony	Metals
PA-GW24	N	ND	< 0.24	µg/L	0.24	UJ	2	Antimony	Metals
PA-GW25	N	=	0.66	µg/L	0.014			Antimony	Metals
PA-GW26	N	TR	0.4	µg/L	0.014	J	8,T	Antimony	Metals
PA-GW26B	FD	=	0.67	µg/L	0.014	J	8	Antimony	Metals
PA-GW27	N	ND	< 0.69	µg/L	0.69	UJ	2	Antimony	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq: Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- U — The analyte was not detected above the reported sample quantitation limit.
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ — The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Reason Code:
- 2 — Method blank contamination
- 7 — Field blank contamination
- 8 — Field duplicate precision outside limits
- T — Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Arsenic

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	3.9	µg/L	0.088			Arsenic	Metals
PA-MW2	N	=	10	µg/L	0.088			Arsenic	Metals
PA-MW3	N	=	7.2	µg/L	0.088			Arsenic	Metals
PA-GW4	N	=	70	µg/L	0.2			Arsenic	Metals
PA-GW5	N	=	19	µg/L	0.088			Arsenic	Metals
PA-GW6	N	=	1.6	µg/L	0.088			Arsenic	Metals
PA-GW6B	FD	=	1.5	µg/L	0.088			Arsenic	Metals
PA-GW7	N	=	33	µg/L	0.2			Arsenic	Metals
PA-GW8	N	=	28	µg/L	0.2			Arsenic	Metals
PA-GW9	N	=	2.5	µg/L	0.088			Arsenic	Metals
PA-GW10	N	=	2.6	µg/L	0.088			Arsenic	Metals
PA-GW11	N	=	3.6	µg/L	0.088			Arsenic	Metals
PA-GW12	N	=	1.3	µg/L	0.088			Arsenic	Metals
PA-GW13	N	=	3.5	µg/L	0.088			Arsenic	Metals
PA-GW14	N	TR	0.57	µg/L	0.088	J	T	Arsenic	Metals
PA-GW15	N	=	2.2	µg/L	0.088			Arsenic	Metals
PA-GW16	N	=	7.9	µg/L	0.088			Arsenic	Metals
PA-GW16B	FD	=	8.7	µg/L	0.088			Arsenic	Metals
PA-GW17	N	=	3.4	µg/L	0.088			Arsenic	Metals
PA-GW18	N	=	7.7	µg/L	0.088			Arsenic	Metals
PA-GW19	N	=	4	µg/L	0.088			Arsenic	Metals
PA-GW20	N	=	1.6	µg/L	0.088			Arsenic	Metals
PA-GW21	N	=	7.5	µg/L	0.088			Arsenic	Metals
PA-GW22	N	=	3.9	µg/L	0.088			Arsenic	Metals
PA-GW23	N	=	4.2	µg/L	0.088			Arsenic	Metals
PA-GW24	N	=	6.2	µg/L	0.088			Arsenic	Metals
PA-GW25	N	=	1.6	µg/L	0.088			Arsenic	Metals
PA-GW26	N	=	1.1	µg/L	0.088			Arsenic	Metals
PA-GW26B	FD	=	1.8	µg/L	0.088			Arsenic	Metals
PA-GW27	N	=	1.3	µg/L	0.088			Arsenic	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq:
- Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
- T — Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Barium

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	32	µg/L	0.012			Barium	Metals
PA-MW2	N	=	31	µg/L	0.012			Barium	Metals
PA-MW3	N	=	19	µg/L	0.012			Barium	Metals
PA-GW4	N	=	1900	µg/L	0.37			Barium	Metals
PA-GW5	N	=	63	µg/L	0.012			Barium	Metals
PA-GW6	N	=	52	µg/L	0.012			Barium	Metals
PA-GW6B	FD	=	51	µg/L	0.012			Barium	Metals
PA-GW7	N	=	1300	µg/L	0.37			Barium	Metals
PA-GW8	N	=	1800	µg/L	3.7			Barium	Metals
PA-GW9	N	=	44	µg/L	0.012			Barium	Metals
PA-GW10	N	=	350	µg/L	0.012			Barium	Metals
PA-GW11	N	=	43	µg/L	0.012			Barium	Metals
PA-GW12	N	=	32	µg/L	0.012			Barium	Metals
PA-GW13	N	=	58	µg/L	0.012			Barium	Metals
PA-GW14	N	=	41	µg/L	0.012			Barium	Metals
PA-GW15	N	=	47	µg/L	0.012			Barium	Metals
PA-GW16	N	=	110	µg/L	0.012			Barium	Metals
PA-GW16B	FD	=	120	µg/L	0.012			Barium	Metals
PA-GW17	N	=	27	µg/L	0.012			Barium	Metals
PA-GW18	N	=	27	µg/L	0.012			Barium	Metals
PA-GW19	N	=	35	µg/L	0.012			Barium	Metals
PA-GW20	N	=	110	µg/L	0.012	J	4L	Barium	Metals
PA-GW21	N	=	130	µg/L	0.012			Barium	Metals
PA-GW22	N	=	46	µg/L	0.012			Barium	Metals
PA-GW23	N	=	75	µg/L	0.012			Barium	Metals
PA-GW24	N	=	63	µg/L	0.012			Barium	Metals
PA-GW25	N	=	61	µg/L	0.012			Barium	Metals
PA-GW26	N	=	52	µg/L	0.012			Barium	Metals
PA-GW26B	FD	=	60	µg/L	0.012			Barium	Metals
PA-GW27	N	=	45	µg/L	0.012			Barium	Metals

Terminology/Codes:

Sample Type: N Normal
FD Field Duplicate

Parvq: Parvq Parameter Value Qualifier - The code identifying the qualifier of an analytical result
= Value is equal to
TR Trace
ND Not detected

Flag:
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
4L MS/MSD recovery below normal limits

Appendix C
Table C2-1: Metals

Analytical Results for Beryllium

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-MW2	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-MW3	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW4	N	=	20	µg/L	0.012			Beryllium	Metals
PA-GW5	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW6	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW6B	FD	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW7	N	=	4.3	µg/L	0.012			Beryllium	Metals
PA-GW8	N	=	3.1	µg/L	0.012			Beryllium	Metals
PA-GW9	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW10	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW11	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW12	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW13	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW14	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW15	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW16	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW16B	FD	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW17	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW18	N	=	5.4	µg/L	0.037			Beryllium	Metals
PA-GW19	N	TR	0.2	µg/L	0.037	J	T	Beryllium	Metals
PA-GW20	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW21	N	TR	0.28	µg/L	0.037	J	T	Beryllium	Metals
PA-GW22	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW23	N	=	24	µg/L	0.037			Beryllium	Metals
PA-GW24	N	=	1.8	µg/L	0.037			Beryllium	Metals
PA-GW25	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW26	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW26B	FD	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals
PA-GW27	N	ND	< 0.037	µg/L	0.037	U		Beryllium	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq: Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- U — The analyte was not detected above the reported sample quantitation limit.
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
- T — Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Boron

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	1.1	mg/L	0.0014			Boron	Metals
PA-MW2	N	=	1.3	mg/L	0.0014			Boron	Metals
PA-MW3	N	=	2	mg/L	0.0014			Boron	Metals
PA-GW4	N	=	1.6	mg/L	0.0026			Boron	Metals
PA-GW5	N	=	1.2	mg/L	0.0052			Boron	Metals
PA-GW6	N	=	2.2	mg/L	0.0014			Boron	Metals
PA-GW6B	FD	=	2.2	mg/L	0.0014			Boron	Metals
PA-GW7	N	=	3.1	mg/L	0.0026			Boron	Metals
PA-GW8	N	=	0.96	mg/L	0.0026			Boron	Metals
PA-GW9	N	=	1.2	mg/L	0.0014			Boron	Metals
PA-GW10	N	=	3.7	mg/L	0.0026			Boron	Metals
PA-GW11	N	=	2.3	mg/L	0.0026			Boron	Metals
PA-GW12	N	=	2.3	mg/L	0.0014			Boron	Metals
PA-GW13	N	=	2.8	mg/L	0.0014			Boron	Metals
PA-GW14	N	=	0.32	mg/L	0.0014			Boron	Metals
PA-GW15	N	=	2.2	mg/L	0.0052			Boron	Metals
PA-GW16	N	=	1.4	mg/L	0.0052			Boron	Metals
PA-GW16B	FD	=	1.4	mg/L	0.0052			Boron	Metals
PA-GW17	N	=	0.4	mg/L	0.0052			Boron	Metals
PA-GW18	N	=	2.1	mg/L	0.014			Boron	Metals
PA-GW19	N	=	2.4	mg/L	0.0026			Boron	Metals
PA-GW20	N	=	1.8	mg/L	0.0026			Boron	Metals
PA-GW21	N	=	1.6	mg/L	0.0026			Boron	Metals
PA-GW22	N	=	1.5	mg/L	0.0026			Boron	Metals
PA-GW23	N	=	1.7	mg/L	0.0026			Boron	Metals
PA-GW24	N	=	1.2	mg/L	0.0052			Boron	Metals
PA-GW25	N	=	2.5	mg/L	0.0026			Boron	Metals
PA-GW26	N	=	2.4	mg/L	0.0026			Boron	Metals
PA-GW26B	FD	=	2.3	mg/L	0.0026			Boron	Metals
PA-GW27	N	=	2.1	mg/L	0.0014			Boron	Metals

Terminology/Codes:

Sample Type:	N	Normal
	FD	Field Duplicate
Parvq:	Parvq	Parameter Value Qualifier - The code identifying the qualifier of an analytical result
	=	Value is equal to
	TR	Trace
	ND	Not detected

Appendix C
Table C2-1: Metals

Analytical Results for Cadmium

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-MW2	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-MW3	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW4	N	=	4.5	µg/L	0.014			Cadmium	Metals
PA-GW5	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW6	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW6B	FD	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW7	N	=	1	µg/L	0.014			Cadmium	Metals
PA-GW8	N	=	0.79	µg/L	0.014			Cadmium	Metals
PA-GW9	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW10	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW11	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW12	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW13	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW14	N	TR	0.24	µg/L	0.018	J	T	Cadmium	Metals
PA-GW15	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW16	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW16B	FD	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW17	N	TR	0.12	µg/L	0.018	J	T	Cadmium	Metals
PA-GW18	N	=	0.74	µg/L	0.018			Cadmium	Metals
PA-GW19	N	=	0.27	µg/L	0.018			Cadmium	Metals
PA-GW20	N	=	0.61	µg/L	0.018			Cadmium	Metals
PA-GW21	N	TR	0.14	µg/L	0.018	J	T	Cadmium	Metals
PA-GW22	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW23	N	=	18	µg/L	0.018			Cadmium	Metals
PA-GW24	N	TR	0.028	µg/L	0.018	J	T	Cadmium	Metals
PA-GW25	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW26	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW26B	FD	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals
PA-GW27	N	ND	< 0.018	µg/L	0.018	U		Cadmium	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq: Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- U — The analyte was not detected above the reported sample quantitation limit.
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
- T — Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Calcium

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	180	mg/L	0.027			Calcium	Metals
PA-MW2	N	=	100	mg/L	0.027			Calcium	Metals
PA-MW3	N	=	58	mg/L	0.027			Calcium	Metals
PA-GW4	N	=	680	mg/L	0.046			Calcium	Metals
PA-GW5	N	=	46	mg/L	0.031			Calcium	Metals
PA-GW6	N	=	63	mg/L	0.027			Calcium	Metals
PA-GW6B	FD	=	63	mg/L	0.027			Calcium	Metals
PA-GW7	N	=	300	mg/L	0.015			Calcium	Metals
PA-GW8	N	=	120	mg/L	0.015			Calcium	Metals
PA-GW9	N	=	120	mg/L	0.027			Calcium	Metals
PA-GW10	N	=	110	mg/L	0.015			Calcium	Metals
PA-GW11	N	=	58	mg/L	0.015			Calcium	Metals
PA-GW12	N	=	150	mg/L	0.027			Calcium	Metals
PA-GW13	N	=	61	mg/L	0.027			Calcium	Metals
PA-GW14	N	=	49	mg/L	0.027			Calcium	Metals
PA-GW15	N	=	100	mg/L	0.031			Calcium	Metals
PA-GW16	N	=	250	mg/L	0.031			Calcium	Metals
PA-GW16B	FD	=	240	mg/L	0.031			Calcium	Metals
PA-GW17	N	=	54	mg/L	0.031			Calcium	Metals
PA-GW18	N	=	540	mg/L	0.27			Calcium	Metals
PA-GW19	N	=	560	mg/L	0.076			Calcium	Metals
PA-GW20	N	=	530	mg/L	0.046			Calcium	Metals
PA-GW21	N	=	480	mg/L	0.046			Calcium	Metals
PA-GW22	N	=	170	mg/L	0.015			Calcium	Metals
PA-GW23	N	=	490	mg/L	0.15			Calcium	Metals
PA-GW24	N	=	250	mg/L	0.046			Calcium	Metals
PA-GW25	N	=	430	mg/L	0.046			Calcium	Metals
PA-GW26	N	=	120	mg/L	0.015			Calcium	Metals
PA-GW26B	FD	=	110	mg/L	0.015			Calcium	Metals
PA-GW27	N	=	130	mg/L	0.027			Calcium	Metals

Terminology/Codes:

Sample Type:	N	Normal
	FD	Field Duplicate
Parvq:	Parvq	Parameter Value Qualifier - The code identifying the qualifier of an analytical result
	=	Value is equal to
	TR	Trace
	ND	Not detected

Appendix C
Table C2-1: Metals

Analytical Result for Chromium, Total

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	0.56	µg/L	0.039			Chromium, Total	Metals
PA-MW2	N	=	4.4	µg/L	0.039			Chromium, Total	Metals
PA-MW3	N	=	5.4	µg/L	0.039			Chromium, Total	Metals
PA-GW4	N	=	390	µg/L	1.3			Chromium, Total	Metals
PA-GW5	N	=	9	µg/L	0.039			Chromium, Total	Metals
PA-GW6	N	=	2.6	µg/L	0.039			Chromium, Total	Metals
PA-GW6B	FD	=	1.8	µg/L	0.039			Chromium, Total	Metals
PA-GW7	N	=	110	µg/L	0.13			Chromium, Total	Metals
PA-GW8	N	=	64	µg/L	0.13			Chromium, Total	Metals
PA-GW9	N	=	0.62	µg/L	0.039			Chromium, Total	Metals
PA-GW10	N	=	2.5	µg/L	0.039			Chromium, Total	Metals
PA-GW11	N	=	2.7	µg/L	0.039			Chromium, Total	Metals
PA-GW12	N	=	0.67	µg/L	0.039			Chromium, Total	Metals
PA-GW13	N	=	20	µg/L	0.039			Chromium, Total	Metals
PA-GW14	N	=	0.67	µg/L	0.039			Chromium, Total	Metals
PA-GW15	N	=	7.8	µg/L	0.039			Chromium, Total	Metals
PA-GW16	N	=	27	µg/L	0.039			Chromium, Total	Metals
PA-GW16B	FD	=	30	µg/L	0.039			Chromium, Total	Metals
PA-GW17	N	=	5.9	µg/L	0.039			Chromium, Total	Metals
PA-GW18	N	=	0.98	µg/L	0.039			Chromium, Total	Metals
PA-GW19	N	=	0.77	µg/L	0.039			Chromium, Total	Metals
PA-GW20	N	=	2.7	µg/L	0.039			Chromium, Total	Metals
PA-GW21	N	=	38	µg/L	0.039			Chromium, Total	Metals
PA-GW22	N	=	42	µg/L	0.039			Chromium, Total	Metals
PA-GW23	N	=	18	µg/L	0.039			Chromium, Total	Metals
PA-GW24	N	=	8.9	µg/L	0.039			Chromium, Total	Metals
PA-GW25	N	=	4.1	µg/L	0.039			Chromium, Total	Metals
PA-GW26	N	=	2.5	µg/L	0.039	J	8	Chromium, Total	Metals
PA-GW26B	FD	=	4.4	µg/L	0.039	J	8	Chromium, Total	Metals
PA-GW27	N	=	1.2	µg/L	0.039			Chromium, Total	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq: Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
- 8 — Field duplicate precision outside limits

Appendix C
Table C2-1: Metals

Analytical Results for Cobalt

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	1.3	µg/L	0.023			Cobalt	Metals
PA-MW2	N	=	3.1	µg/L	0.023			Cobalt	Metals
PA-MW3	N	=	0.59	µg/L	0.023			Cobalt	Metals
PA-GW4	N	=	180	µg/L	0.09			Cobalt	Metals
PA-GW5	N	TR	0.8	µg/L	0.023	J	T	Cobalt	Metals
PA-GW6	N	=	1.3	µg/L	0.023			Cobalt	Metals
PA-GW6B	FD	=	1.3	µg/L	0.023			Cobalt	Metals
PA-GW7	N	=	57	µg/L	0.009			Cobalt	Metals
PA-GW8	N	=	28	µg/L	0.009			Cobalt	Metals
PA-GW9	N	=	0.78	µg/L	0.023			Cobalt	Metals
PA-GW10	N	=	5.1	µg/L	0.023			Cobalt	Metals
PA-GW11	N	=	1.8	µg/L	0.023			Cobalt	Metals
PA-GW12	N	=	3.6	µg/L	0.023			Cobalt	Metals
PA-GW13	N	=	2.4	µg/L	0.023			Cobalt	Metals
PA-GW14	N	=	0.64	µg/L	0.023			Cobalt	Metals
PA-GW15	N	TR	0.78	µg/L	0.023	J	T	Cobalt	Metals
PA-GW16	N	=	18	µg/L	0.023			Cobalt	Metals
PA-GW16B	FD	=	18	µg/L	0.023			Cobalt	Metals
PA-GW17	N	=	2.1	µg/L	0.023			Cobalt	Metals
PA-GW18	N	=	150	µg/L	0.023			Cobalt	Metals
PA-GW19	N	=	48	µg/L	0.023			Cobalt	Metals
PA-GW20	N	=	41	µg/L	0.023			Cobalt	Metals
PA-GW21	N	=	17	µg/L	0.023			Cobalt	Metals
PA-GW22	N	=	10	µg/L	0.023			Cobalt	Metals
PA-GW23	N	=	1400	µg/L	2.3			Cobalt	Metals
PA-GW24	N	=	62	µg/L	0.023			Cobalt	Metals
PA-GW25	N	=	8.9	µg/L	0.023			Cobalt	Metals
PA-GW26	N	=	4	µg/L	0.023			Cobalt	Metals
PA-GW26B	FD	=	6.2	µg/L	0.023			Cobalt	Metals
PA-GW27	N	=	2.4	µg/L	0.023			Cobalt	Metals

Terminology/Codes:

Sample Type: N Normal
FD Field Duplicate

Parvq: Parvq Parameter Value Qualifier - The code identifying the qualifier of an analytical result
= Value is equal to
TR Trace
ND Not detected

Flag:
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
T Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Copper

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	1	µg/L	0.026			Copper	Metals
PA-MW2	N	=	1.2	µg/L	0.026			Copper	Metals
PA-MW3	N	=	1.4	µg/L	0.026			Copper	Metals
PA-GW4	N	=	920	µg/L	0.6			Copper	Metals
PA-GW5	N	=	3.1	µg/L	0.026			Copper	Metals
PA-GW6	N	=	2.3	µg/L	0.026			Copper	Metals
PA-GW6B	FD	=	2.1	µg/L	0.026			Copper	Metals
PA-GW7	N	=	1300	µg/L	0.6			Copper	Metals
PA-GW8	N	=	710	µg/L	6			Copper	Metals
PA-GW9	N	=	1.3	µg/L	0.026			Copper	Metals
PA-GW10	N	=	8	µg/L	0.026			Copper	Metals
PA-GW11	N	=	5.9	µg/L	0.026			Copper	Metals
PA-GW12	N	=	8.8	µg/L	0.026			Copper	Metals
PA-GW13	N	=	4.1	µg/L	0.026			Copper	Metals
PA-GW14	N	=	3.6	µg/L	0.026			Copper	Metals
PA-GW15	N	=	2.5	µg/L	0.026			Copper	Metals
PA-GW16	N	=	6.8	µg/L	0.026			Copper	Metals
PA-GW16B	FD	=	7	µg/L	0.026			Copper	Metals
PA-GW17	N	=	41	µg/L	0.026			Copper	Metals
PA-GW18	N	=	23	µg/L	0.026			Copper	Metals
PA-GW19	N	=	3.2	µg/L	0.026			Copper	Metals
PA-GW20	N	=	43	µg/L	0.026			Copper	Metals
PA-GW21	N	=	380	µg/L	0.026			Copper	Metals
PA-GW22	N	=	4.7	µg/L	0.026			Copper	Metals
PA-GW23	N	=	30	µg/L	0.026			Copper	Metals
PA-GW24	N	=	6.3	µg/L	0.026			Copper	Metals
PA-GW25	N	=	7.2	µg/L	0.026			Copper	Metals
PA-GW26	N	=	4.9	µg/L	0.026			Copper	Metals
PA-GW26B	FD	=	4.5	µg/L	0.026			Copper	Metals
PA-GW27	N	=	2.8	µg/L	0.026			Copper	Metals

Terminology/Codes:

Sample Type:	N	Normal
	FD	Field Duplicate
Parvq:	Parvq	Parameter Value Qualifier - The code identifying the qualifier of an analytical result
	=	Value is equal to
	TR	Trace
	ND	Not detected

Appendix C
Table C2-1: Metals

Analytical Results for Iron

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	ND	< 0.004	mg/L	0.004	UJ	2	Iron	Metals
PA-MW2	N	=	0.54	mg/L	0.003			Iron	Metals
PA-MW3	N	ND	< 0.015	mg/L	0.015	UJ	2	Iron	Metals
PA-GW4	N	=	1100	mg/L	0.009			Iron	Metals
PA-GW5	N	TR	0.043	mg/L	0.006	J	T	Iron	Metals
PA-GW6	N	TR	0.0085	mg/L	0.003	J	T	Iron	Metals
PA-GW6B	FD	TR	0.082	mg/L	0.003	J	T	Iron	Metals
PA-GW7	N	=	82	mg/L	0.003			Iron	Metals
PA-GW8	N	=	83	mg/L	0.003			Iron	Metals
PA-GW9	N	TR	0.012	mg/L	0.003	J	T	Iron	Metals
PA-GW10	N	=	0.22	mg/L	0.003			Iron	Metals
PA-GW11	N	TR	0.0088	mg/L	0.003	J	T	Iron	Metals
PA-GW12	N	ND	< 0.003	mg/L	0.003	U		Iron	Metals
PA-GW13	N	TR	0.014	mg/L	0.003	J	T	Iron	Metals
PA-GW14	N	ND	< 0.0044	mg/L	0.0044	UJ	2	Iron	Metals
PA-GW15	N	TR	0.11	mg/L	0.006	J	T	Iron	Metals
PA-GW16	N	=	6.2	mg/L	0.006			Iron	Metals
PA-GW16B	FD	=	5	mg/L	0.006			Iron	Metals
PA-GW17	N	TR	0.015	mg/L	0.006	J	T	Iron	Metals
PA-GW18	N	=	70	mg/L	0.03			Iron	Metals
PA-GW19	N	=	22	mg/L	0.003			Iron	Metals
PA-GW20	N	=	4	mg/L	0.003			Iron	Metals
PA-GW21	N	=	41	mg/L	0.003			Iron	Metals
PA-GW22	N	=	0.89	mg/L	0.003			Iron	Metals
PA-GW23	N	=	1400	mg/L	0.03			Iron	Metals
PA-GW24	N	=	37	mg/L	0.006			Iron	Metals
PA-GW25	N	=	0.14	mg/L	0.003			Iron	Metals
PA-GW26	N	TR	0.019	mg/L	0.003	J	T	Iron	Metals
PA-GW26B	FD	TR	0.014	mg/L	0.003	J	T	Iron	Metals
PA-GW27	N	=	0.12	mg/L	0.003			Iron	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq: Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- U — The analyte was not detected above the reported sample quantitation limit.
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ — The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Reason Code:
- 2 — Method blank contamination
- T — Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Lead

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	ND	< 0.043	µg/L	0.043	UJ	2	Lead	Metals
PA-MW2	N	ND	< 0.026	µg/L	0.026	UJ	2	Lead	Metals
PA-MW3	N	ND	< 0.05	µg/L	0.05	UJ	2	Lead	Metals
PA-GW4	N	=	67	µg/L	0.012			Lead	Metals
PA-GW5	N	ND	< 0.067	µg/L	0.067	UJ	2	Lead	Metals
PA-GW6	N	ND	< 0.023	µg/L	0.023	U		Lead	Metals
PA-GW6B	FD	ND	< 0.023	µg/L	0.023	U		Lead	Metals
PA-GW7	N	=	32	µg/L	0.012			Lead	Metals
PA-GW8	N	=	24	µg/L	0.012			Lead	Metals
PA-GW9	N	TR	0.023	µg/L	0.023	J	T	Lead	Metals
PA-GW10	N	TR	0.12	µg/L	0.023	J	T	Lead	Metals
PA-GW11	N	ND	< 0.023	µg/L	0.023	U		Lead	Metals
PA-GW12	N	TR	0.07	µg/L	0.023	J	T	Lead	Metals
PA-GW13	N	ND	< 0.023	µg/L	0.023	U		Lead	Metals
PA-GW14	N	ND	< 0.035	µg/L	0.035	UJ	2	Lead	Metals
PA-GW15	N	ND	< 0.023	µg/L	0.023	U		Lead	Metals
PA-GW16	N	ND	< 0.023	µg/L	0.023	U		Lead	Metals
PA-GW16B	FD	ND	< 0.023	µg/L	0.023	U		Lead	Metals
PA-GW17	N	TR	0.088	µg/L	0.023	J	T	Lead	Metals
PA-GW18	N	TR	0.025	µg/L	0.023	J	T	Lead	Metals
PA-GW19	N	ND	< 0.023	µg/L	0.023	U		Lead	Metals
PA-GW20	N	=	0.54	µg/L	0.023			Lead	Metals
PA-GW21	N	=	2.6	µg/L	0.023			Lead	Metals
PA-GW22	N	ND	< 0.33	µg/L	0.33	UJ	2	Lead	Metals
PA-GW23	N	ND	< 0.026	µg/L	0.026	UJ	7	Lead	Metals
PA-GW24	N	ND	< 0.023	µg/L	0.023	U		Lead	Metals
PA-GW25	N	ND	< 0.023	µg/L	0.023	U		Lead	Metals
PA-GW26	N	TR	0.024	µg/L	0.023	J	T	Lead	Metals
PA-GW26B	FD	TR	0.063	µg/L	0.023	J	T	Lead	Metals
PA-GW27	N	ND	< 0.023	µg/L	0.023	U		Lead	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq: Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- U — The analyte was not detected above the reported sample quantitation limit.
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ — The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Reason Code:
- 2 — Method blank contamination
- 7 — Field blank contamination
- T — Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Magnesium

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	29	mg/L	0.018			Magnesium	Metals
PA-MW2	N	=	49	mg/L	0.018			Magnesium	Metals
PA-MW3	N	=	19	mg/L	0.018			Magnesium	Metals
PA-GW4	N	=	390	mg/L	0.1			Magnesium	Metals
PA-GW5	N	=	10	mg/L	0.069			Magnesium	Metals
PA-GW6	N	=	12	mg/L	0.018			Magnesium	Metals
PA-GW6B	FD	=	12	mg/L	0.018			Magnesium	Metals
PA-GW7	N	=	44	mg/L	0.035			Magnesium	Metals
PA-GW8	N	=	38	mg/L	0.035			Magnesium	Metals
PA-GW9	N	=	17	mg/L	0.018			Magnesium	Metals
PA-GW10	N	=	22	mg/L	0.035			Magnesium	Metals
PA-GW11	N	=	13	mg/L	0.035			Magnesium	Metals
PA-GW12	N	=	28	mg/L	0.018			Magnesium	Metals
PA-GW13	N	=	13	mg/L	0.018			Magnesium	Metals
PA-GW14	N	=	7.4	mg/L	0.018			Magnesium	Metals
PA-GW15	N	=	21	mg/L	0.069			Magnesium	Metals
PA-GW16	N	=	64	mg/L	0.069			Magnesium	Metals
PA-GW16B	FD	=	53	mg/L	0.069			Magnesium	Metals
PA-GW17	N	=	9.9	mg/L	0.069			Magnesium	Metals
PA-GW18	N	=	320	mg/L	0.18			Magnesium	Metals
PA-GW19	N	=	210	mg/L	0.17			Magnesium	Metals
PA-GW20	N	=	800	mg/L	0.1			Magnesium	Metals
PA-GW21	N	=	150	mg/L	0.1			Magnesium	Metals
PA-GW22	N	=	26	mg/L	0.035			Magnesium	Metals
PA-GW23	N	=	350	mg/L	0.35			Magnesium	Metals
PA-GW24	N	=	390	mg/L	0.069			Magnesium	Metals
PA-GW25	N	=	100	mg/L	0.1			Magnesium	Metals
PA-GW26	N	=	24	mg/L	0.035			Magnesium	Metals
PA-GW26B	FD	=	22	mg/L	0.035			Magnesium	Metals
PA-GW27	N	=	23	mg/L	0.018			Magnesium	Metals

Terminology/Codes:

Sample Type:	N	Normal
	FD	Field Duplicate
Parvq:	Parvq	Parameter Value Qualifier - The code identifying the qualifier of an analytical result
	=	Value is equal to
	TR	Trace
	ND	Not detected

Appendix C
Table C2-1: Metals

Analytical Results for Manganese

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	240	µg/L	0.021			Manganese	Metals
PA-MW2	N	=	1900	µg/L	2.1			Manganese	Metals
PA-MW3	N	=	260	µg/L	0.021			Manganese	Metals
PA-GW4	N	=	15000	µg/L	69			Manganese	Metals
PA-GW5	N	=	130	µg/L	0.021			Manganese	Metals
PA-GW6	N	=	680	µg/L	0.21			Manganese	Metals
PA-GW6B	FD	=	720	µg/L	0.21			Manganese	Metals
PA-GW7	N	=	3800	µg/L	6.9			Manganese	Metals
PA-GW8	N	=	1900	µg/L	69			Manganese	Metals
PA-GW9	N	=	250	µg/L	0.021			Manganese	Metals
PA-GW10	N	=	2300	µg/L	2.1			Manganese	Metals
PA-GW11	N	=	510	µg/L	0.042			Manganese	Metals
PA-GW12	N	=	850	µg/L	2.1			Manganese	Metals
PA-GW13	N	=	450	µg/L	0.21			Manganese	Metals
PA-GW14	N	=	710	µg/L	2.1			Manganese	Metals
PA-GW15	N	=	280	µg/L	0.021			Manganese	Metals
PA-GW16	N	=	3800	µg/L	2.1			Manganese	Metals
PA-GW16B	FD	=	3800	µg/L	2.1			Manganese	Metals
PA-GW17	N	=	440	µg/L	0.021			Manganese	Metals
PA-GW18	N	=	6800	µg/L	2.1			Manganese	Metals
PA-GW19	N	=	6600	µg/L	2.1			Manganese	Metals
PA-GW20	N	=	3900	µg/L	2.1			Manganese	Metals
PA-GW21	N	=	4600	µg/L	2.1			Manganese	Metals
PA-GW22	N	=	1800	µg/L	2.1			Manganese	Metals
PA-GW23	N	=	54000	µg/L	21			Manganese	Metals
PA-GW24	N	=	6200	µg/L	2.1			Manganese	Metals
PA-GW25	N	=	1600	µg/L	2.1			Manganese	Metals
PA-GW26	N	=	1300	µg/L	2.1	J	8	Manganese	Metals
PA-GW26B	FD	=	2200	µg/L	2.1	J	8	Manganese	Metals
PA-GW27	N	=	750	µg/L	0.21			Manganese	Metals

Terminology/Codes:

Sample Type: N Normal
FD Field Duplicate

Parvq: Parvq Parameter Value Qualifier - The code identifying the qualifier of an analytical result
= Value is equal to
TR Trace
ND Not detected

Flag:
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
8 Field duplicate precision outside limits

Appendix C
Table C2-1: Metals

Analytical Results for Mercury

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-MW2	N	=	0.33	µg/L	0.025			Mercury	Metals
PA-MW3	N	TR	0.12	µg/L	0.025	J	T	Mercury	Metals
PA-GW4	N	=	0.96	µg/L	0.025			Mercury	Metals
PA-GW6	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW6B	FD	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW7	N	TR	0.12	µg/L	0.025	J	T	Mercury	Metals
PA-GW8	N	=	0.2	µg/L	0.025			Mercury	Metals
PA-GW9	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW12	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW13	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW14	N	TR	0.12	µg/L	0.025	J	T	Mercury	Metals
PA-GW18	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW19	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW20	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW21	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW22	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW25	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW26	N	TR	0.06	µg/L	0.025	J	T	Mercury	Metals
PA-GW26B	FD	ND	< 0.025	µg/L	0.025	U		Mercury	Metals
PA-GW27	N	ND	< 0.025	µg/L	0.025	U		Mercury	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq:
- Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- U — The analyte was not detected above the reported sample quantitation limit.
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
- T — Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Molybdenum

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	41	µg/L	0.025			Molybdenum	Metals
PA-MW2	N	=	98	µg/L	0.025			Molybdenum	Metals
PA-MW3	N	=	130	µg/L	0.025			Molybdenum	Metals
PA-GW4	N	=	25	µg/L	0.015			Molybdenum	Metals
PA-GW5	N	=	64	µg/L	0.025			Molybdenum	Metals
PA-GW6	N	=	130	µg/L	0.025			Molybdenum	Metals
PA-GW6B	FD	=	160	µg/L	0.025			Molybdenum	Metals
PA-GW7	N	=	27	µg/L	0.015			Molybdenum	Metals
PA-GW8	N	=	49	µg/L	0.015			Molybdenum	Metals
PA-GW9	N	=	28	µg/L	0.025			Molybdenum	Metals
PA-GW10	N	=	160	µg/L	0.025			Molybdenum	Metals
PA-GW11	N	=	110	µg/L	0.025			Molybdenum	Metals
PA-GW12	N	=	90	µg/L	0.025			Molybdenum	Metals
PA-GW13	N	=	76	µg/L	0.025			Molybdenum	Metals
PA-GW14	N	=	1000	µg/L	2.5			Molybdenum	Metals
PA-GW15	N	=	60	µg/L	0.025			Molybdenum	Metals
PA-GW16	N	=	73	µg/L	0.025			Molybdenum	Metals
PA-GW16B	FD	=	76	µg/L	0.025			Molybdenum	Metals
PA-GW17	N	=	34	µg/L	0.025			Molybdenum	Metals
PA-GW18	N	=	11	µg/L	0.025			Molybdenum	Metals
PA-GW19	N	=	63	µg/L	0.025			Molybdenum	Metals
PA-GW20	N	=	39	µg/L	0.025			Molybdenum	Metals
PA-GW21	N	=	170	µg/L	0.025			Molybdenum	Metals
PA-GW22	N	=	100	µg/L	0.025			Molybdenum	Metals
PA-GW23	N	=	48	µg/L	0.025			Molybdenum	Metals
PA-GW24	N	=	37	µg/L	0.025			Molybdenum	Metals
PA-GW25	N	=	110	µg/L	0.025			Molybdenum	Metals
PA-GW26	N	=	94	µg/L	0.025	J	8	Molybdenum	Metals
PA-GW26B	FD	=	160	µg/L	0.025	J	8	Molybdenum	Metals
PA-GW27	N	=	92	µg/L	0.025			Molybdenum	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq: Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
- 8 — Field duplicate precision outside limits

Appendix C
Table C2-1: Metals

Analytical Results for Nickel

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	8.1	µg/L	0.02			Nickel	Metals
PA-MW2	N	=	9.5	µg/L	0.02			Nickel	Metals
PA-MW3	N	=	3.6	µg/L	0.02			Nickel	Metals
PA-GW4	N	=	180	µg/L	0.035			Nickel	Metals
PA-GW5	N	=	1.8	µg/L	0.02			Nickel	Metals
PA-GW6	N	=	4.9	µg/L	0.02			Nickel	Metals
PA-GW6B	FD	=	4.6	µg/L	0.02			Nickel	Metals
PA-GW7	N	=	100	µg/L	0.035			Nickel	Metals
PA-GW8	N	=	34	µg/L	0.035			Nickel	Metals
PA-GW9	N	=	5.8	µg/L	0.02			Nickel	Metals
PA-GW10	N	=	7	µg/L	0.02			Nickel	Metals
PA-GW11	N	=	3.8	µg/L	0.02			Nickel	Metals
PA-GW12	N	=	15	µg/L	0.02			Nickel	Metals
PA-GW13	N	=	11	µg/L	0.02			Nickel	Metals
PA-GW14	N	=	7.1	µg/L	0.02			Nickel	Metals
PA-GW15	N	=	4.5	µg/L	0.02			Nickel	Metals
PA-GW16	N	=	26	µg/L	0.02			Nickel	Metals
PA-GW16B	FD	=	26	µg/L	0.02			Nickel	Metals
PA-GW17	N	=	12	µg/L	0.02			Nickel	Metals
PA-GW18	N	=	50	µg/L	0.02			Nickel	Metals
PA-GW19	N	=	40	µg/L	0.02			Nickel	Metals
PA-GW20	N	=	66	µg/L	0.02			Nickel	Metals
PA-GW21	N	=	76	µg/L	0.02			Nickel	Metals
PA-GW22	N	=	16	µg/L	0.02			Nickel	Metals
PA-GW23	N	=	1100	µg/L	2			Nickel	Metals
PA-GW24	N	=	30	µg/L	0.02			Nickel	Metals
PA-GW25	N	=	36	µg/L	0.02			Nickel	Metals
PA-GW26	N	=	13	µg/L	0.02			Nickel	Metals
PA-GW26B	FD	=	14	µg/L	0.02			Nickel	Metals
PA-GW27	N	=	7.1	µg/L	0.02			Nickel	Metals

Terminology/Codes:

Sample Type:	N	Normal
	FD	Field Duplicate
Parvq:	Parvq	Parameter Value Qualifier - The code identifying the qualifier of an analytical result
	=	Value is equal to
	TR	Trace
	ND	Not detected

Appendix C
Table C2-1: Metals

Analytical Results for Potassium

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	5.9	mg/L	0.91			Potassium	Metals
PA-MW2	N	=	10	mg/L	0.91			Potassium	Metals
PA-MW3	N	=	9.4	mg/L	0.91			Potassium	Metals
PA-GW4	N	=	130	mg/L	0.96			Potassium	Metals
PA-GW5	N	=	9.3	mg/L	1.9			Potassium	Metals
PA-GW6	N	=	15	mg/L	0.91			Potassium	Metals
PA-GW6B	FD	=	16	mg/L	0.91			Potassium	Metals
PA-GW7	N	=	43	mg/L	0.96			Potassium	Metals
PA-GW8	N	=	24	mg/L	0.96			Potassium	Metals
PA-GW9	N	=	5.8	mg/L	0.91			Potassium	Metals
PA-GW10	N	=	15	mg/L	0.96			Potassium	Metals
PA-GW11	N	=	9.9	mg/L	0.96			Potassium	Metals
PA-GW12	N	=	7.5	mg/L	0.91			Potassium	Metals
PA-GW13	N	=	7.3	mg/L	0.91			Potassium	Metals
PA-GW14	N	=	5.4	mg/L	0.91			Potassium	Metals
PA-GW15	N	=	12	mg/L	1.9			Potassium	Metals
PA-GW16	N	=	21	mg/L	1.9			Potassium	Metals
PA-GW16B	FD	=	20	mg/L	1.9			Potassium	Metals
PA-GW17	N	TR	7	mg/L	4.8	J	T	Potassium	Metals
PA-GW18	N	TR	12	mg/L	9.1	J	T	Potassium	Metals
PA-GW19	N	=	18	mg/L	2.9			Potassium	Metals
PA-GW20	N	=	20	mg/L	2.9	J	4L	Potassium	Metals
PA-GW21	N	=	23	mg/L	2.9			Potassium	Metals
PA-GW22	N	=	12	mg/L	2.9			Potassium	Metals
PA-GW23	N	=	33	mg/L	2.9			Potassium	Metals
PA-GW24	N	=	26	mg/L	1.9			Potassium	Metals
PA-GW25	N	=	17	mg/L	2.9			Potassium	Metals
PA-GW26	N	=	9.7	mg/L	0.96			Potassium	Metals
PA-GW26B	FD	=	9.9	mg/L	0.96			Potassium	Metals
PA-GW27	N	=	8.5	mg/L	0.91			Potassium	Metals

Terminology/Codes:

Sample Type: N Normal
FD Field Duplicate

Parvq: Parvq Parameter Value Qualifier - The code identifying the qualifier of an analytical result
= Value is equal to
TR Trace
ND Not detected

Flag:
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
4L MS/MSD recovery below normal limits
T Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Selenium

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	9.4	µg/L	0.3			Selenium	Metals
PA-MW2	N	=	13	µg/L	0.3			Selenium	Metals
PA-MW3	N	=	7.7	µg/L	0.3			Selenium	Metals
PA-GW4	N	=	15	µg/L	0.3			Selenium	Metals
PA-GW5	N	=	14	µg/L	0.3			Selenium	Metals
PA-GW6	N	=	11	µg/L	0.3			Selenium	Metals
PA-GW6B	FD	=	11	µg/L	0.3			Selenium	Metals
PA-GW7	N	=	7.6	µg/L	0.3			Selenium	Metals
PA-GW8	N	=	8.9	µg/L	0.3			Selenium	Metals
PA-GW9	N	=	7.3	µg/L	0.3			Selenium	Metals
PA-GW10	N	=	6.3	µg/L	0.3			Selenium	Metals
PA-GW11	N	=	14	µg/L	0.3			Selenium	Metals
PA-GW12	N	=	16	µg/L	0.3			Selenium	Metals
PA-GW13	N	=	83	µg/L	0.3			Selenium	Metals
PA-GW14	N	=	1.1	µg/L	0.3			Selenium	Metals
PA-GW15	N	=	13	µg/L	0.3			Selenium	Metals
PA-GW16	N	=	280	µg/L	0.3			Selenium	Metals
PA-GW16B	FD	=	290	µg/L	0.3			Selenium	Metals
PA-GW17	N	=	12	µg/L	0.3			Selenium	Metals
PA-GW18	N	=	2.3	µg/L	0.3			Selenium	Metals
PA-GW19	N	=	2.8	µg/L	0.3			Selenium	Metals
PA-GW20	N	=	7	µg/L	0.3			Selenium	Metals
PA-GW21	N	=	56	µg/L	0.3			Selenium	Metals
PA-GW22	N	=	34	µg/L	0.3			Selenium	Metals
PA-GW23	N	=	6.7	µg/L	0.3			Selenium	Metals
PA-GW24	N	=	3.3	µg/L	0.3			Selenium	Metals
PA-GW25	N	=	26	µg/L	0.3			Selenium	Metals
PA-GW26	N	=	9.1	µg/L	0.3			Selenium	Metals
PA-GW26B	FD	=	9.5	µg/L	0.3			Selenium	Metals
PA-GW27	N	=	13	µg/L	0.3			Selenium	Metals

Terminology/Codes:

Sample Type:	N	Normal
	FD	Field Duplicate
Parvq:	Parvq	Parameter Value Qualifier - The code identifying the qualifier of an analytical result
	=	Value is equal to
	TR	Trace
	ND	Not detected

Appendix C
Table C2-1: Metals

Analytical Results for Silver

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-MW2	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-MW3	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW4	N	=	0.42	µg/L	0.03			Silver	Metals
PA-GW5	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW6	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW6B	FD	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW7	N	=	2.5	µg/L	0.03			Silver	Metals
PA-GW8	N	TR	0.23	µg/L	0.03	J	T	Silver	Metals
PA-GW9	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW10	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW11	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW12	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW13	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW14	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW15	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW16	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW16B	FD	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW17	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW18	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW19	N	TR	0.032	µg/L	0.018	J	T	Silver	Metals
PA-GW20	N	TR	0.043	µg/L	0.018	J	4L,T	Silver	Metals
PA-GW21	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW22	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW23	N	TR	0.093	µg/L	0.018	J	T	Silver	Metals
PA-GW24	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW25	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW26	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW26B	FD	ND	< 0.018	µg/L	0.018	U		Silver	Metals
PA-GW27	N	ND	< 0.018	µg/L	0.018	U		Silver	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq: Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- U — The analyte was not detected above the reported sample quantitation limit.
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
- 4L — MS/MSD recovery below normal limits
- T — Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Sodium

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	150	mg/L	0.023			Sodium	Metals
PA-MW2	N	=	230	mg/L	0.023			Sodium	Metals
PA-MW3	N	=	260	mg/L	0.023			Sodium	Metals
PA-GW4	N	=	270	mg/L	0.029			Sodium	Metals
PA-GW5	N	=	230	mg/L	0.059			Sodium	Metals
PA-GW6	N	=	290	mg/L	0.023			Sodium	Metals
PA-GW6B	FD	=	290	mg/L	0.023			Sodium	Metals
PA-GW7	N	=	390	mg/L	0.029			Sodium	Metals
PA-GW8	N	=	190	mg/L	0.029			Sodium	Metals
PA-GW9	N	=	110	mg/L	0.023			Sodium	Metals
PA-GW10	N	=	350	mg/L	0.029			Sodium	Metals
PA-GW11	N	=	340	mg/L	0.029			Sodium	Metals
PA-GW12	N	=	280	mg/L	0.023			Sodium	Metals
PA-GW13	N	=	350	mg/L	0.023			Sodium	Metals
PA-GW14	N	=	74	mg/L	0.023			Sodium	Metals
PA-GW15	N	=	170	mg/L	0.059			Sodium	Metals
PA-GW16	N	=	410	mg/L	0.059			Sodium	Metals
PA-GW16B	FD	=	410	mg/L	0.059			Sodium	Metals
PA-GW17	N	=	52	mg/L	0.059			Sodium	Metals
PA-GW18	N	=	250	mg/L	0.23			Sodium	Metals
PA-GW19	N	=	370	mg/L	0.15			Sodium	Metals
PA-GW20	N	=	290	mg/L	0.088			Sodium	Metals
PA-GW21	N	=	390	mg/L	0.088			Sodium	Metals
PA-GW22	N	=	370	mg/L	0.029			Sodium	Metals
PA-GW23	N	=	250	mg/L	0.29			Sodium	Metals
PA-GW24	N	=	380	mg/L	0.059			Sodium	Metals
PA-GW25	N	=	530	mg/L	0.088			Sodium	Metals
PA-GW26	N	=	290	mg/L	0.029			Sodium	Metals
PA-GW26B	FD	=	300	mg/L	0.029			Sodium	Metals
PA-GW27	N	=	260	mg/L	0.023			Sodium	Metals

Terminology/Codes:

Sample Type:	N	Normal
	FD	Field Duplicate
Parvq:	Parvq	Parameter Value Qualifier - The code identifying the qualifier of an analytical result
	=	Value is equal to
	TR	Trace
	ND	Not detected

Appendix C
Table C2-1: Metals

Analytical Results for Thallium

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	ND	< 0.016	µg/L	0.016	U		Thallium	Metals
PA-MW2	N	ND	< 0.016	µg/L	0.016	U		Thallium	Metals
PA-MW3	N	ND	< 0.016	µg/L	0.016	U		Thallium	Metals
PA-GW4	N	=	1.5	µg/L	0.002			Thallium	Metals
PA-GW5	N	TR	0.026	µg/L	0.016	J	T	Thallium	Metals
PA-GW6	N	TR	0.021	µg/L	0.016	J	T	Thallium	Metals
PA-GW6B	FD	TR	0.021	µg/L	0.016	J	T	Thallium	Metals
PA-GW7	N	TR	0.75	µg/L	0.002	J	T	Thallium	Metals
PA-GW8	N	TR	0.54	µg/L	0.002	J	T	Thallium	Metals
PA-GW9	N	TR	0.021	µg/L	0.016	J	T	Thallium	Metals
PA-GW10	N	TR	0.02	µg/L	0.016	J	T	Thallium	Metals
PA-GW11	N	ND	< 0.016	µg/L	0.016	U		Thallium	Metals
PA-GW12	N	ND	< 0.016	µg/L	0.016	U		Thallium	Metals
PA-GW13	N	ND	< 0.016	µg/L	0.016	U		Thallium	Metals
PA-GW14	N	ND	< 0.016	µg/L	0.016	U		Thallium	Metals
PA-GW15	N	ND	< 0.016	µg/L	0.016	U		Thallium	Metals
PA-GW16	N	TR	0.019	µg/L	0.016	J	T	Thallium	Metals
PA-GW16B	FD	TR	0.02	µg/L	0.016	J	T	Thallium	Metals
PA-GW17	N	TR	0.025	µg/L	0.016	J	T	Thallium	Metals
PA-GW18	N	TR	0.087	µg/L	0.016	J	T	Thallium	Metals
PA-GW19	N	TR	0.047	µg/L	0.016	J	T	Thallium	Metals
PA-GW20	N	TR	0.029	µg/L	0.016	J	T	Thallium	Metals
PA-GW21	N	TR	0.071	µg/L	0.016	J	T	Thallium	Metals
PA-GW22	N	ND	< 0.016	µg/L	0.016	U		Thallium	Metals
PA-GW23	N	TR	0.1	µg/L	0.016	J	T	Thallium	Metals
PA-GW24	N	TR	0.054	µg/L	0.016	J	T	Thallium	Metals
PA-GW25	N	TR	0.025	µg/L	0.016	J	T	Thallium	Metals
PA-GW26	N	ND	< 0.016	µg/L	0.016	U		Thallium	Metals
PA-GW26B	FD	ND	< 0.016	µg/L	0.016	U		Thallium	Metals
PA-GW27	N	ND	< 0.016	µg/L	0.016	U		Thallium	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq: Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- U — The analyte was not detected above the reported sample quantitation limit.
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
- T — Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Vanadium

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	5.1	µg/L	0.03			Vanadium	Metals
PA-MW2	N	=	4.1	µg/L	0.03			Vanadium	Metals
PA-MW3	N	=	7.3	µg/L	0.03			Vanadium	Metals
PA-GW4	N	=	340	µg/L	6.8			Vanadium	Metals
PA-GW5	N	=	24	µg/L	0.03			Vanadium	Metals
PA-GW6	N	=	1.2	µg/L	0.03			Vanadium	Metals
PA-GW6B	FD	TR	0.85	µg/L	0.03	J	T	Vanadium	Metals
PA-GW7	N	=	180	µg/L	0.68			Vanadium	Metals
PA-GW8	N	=	130	µg/L	0.68			Vanadium	Metals
PA-GW9	N	=	4.1	µg/L	0.03			Vanadium	Metals
PA-GW10	N	=	1.5	µg/L	0.03			Vanadium	Metals
PA-GW11	N	=	6.6	µg/L	0.03			Vanadium	Metals
PA-GW12	N	=	1	µg/L	0.03			Vanadium	Metals
PA-GW13	N	=	11	µg/L	0.03			Vanadium	Metals
PA-GW14	N	TR	0.46	µg/L	0.03	J	T	Vanadium	Metals
PA-GW15	N	=	5.5	µg/L	0.03			Vanadium	Metals
PA-GW16	N	=	9.4	µg/L	0.03			Vanadium	Metals
PA-GW16B	FD	=	10	µg/L	0.03			Vanadium	Metals
PA-GW17	N	=	2	µg/L	0.03			Vanadium	Metals
PA-GW18	N	TR	0.4	µg/L	0.03	J	T	Vanadium	Metals
PA-GW19	N	TR	0.26	µg/L	0.03	J	T	Vanadium	Metals
PA-GW20	N	=	6.3	µg/L	0.03			Vanadium	Metals
PA-GW21	N	=	17	µg/L	0.03			Vanadium	Metals
PA-GW22	N	=	13	µg/L	0.03			Vanadium	Metals
PA-GW23	N	=	4.6	µg/L	0.03			Vanadium	Metals
PA-GW24	N	=	2.6	µg/L	0.03			Vanadium	Metals
PA-GW25	N	=	1.4	µg/L	0.03			Vanadium	Metals
PA-GW26	N	=	2	µg/L	0.03			Vanadium	Metals
PA-GW26B	FD	=	2.3	µg/L	0.03			Vanadium	Metals
PA-GW27	N	TR	0.87	µg/L	0.03	J	T	Vanadium	Metals

Terminology/Codes:

Sample Type: N Normal
FD Field Duplicate

Parvq: Parvq Parameter Value Qualifier - The code identifying the qualifier of an analytical result
= Value is equal to
TR Trace
ND Not detected

Flag:
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

Reason Code:
T Trace level compound, poor quantitation

Appendix C
Table C2-1: Metals

Analytical Results for Zinc

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	4.8	µg/L	0.028			Zinc	Metals
PA-MW2	N	=	7.5	µg/L	0.028			Zinc	Metals
PA-MW3	N	=	3.3	µg/L	0.028			Zinc	Metals
PA-GW4	N	=	420	µg/L	13			Zinc	Metals
PA-GW5	N	ND	< 1.6	µg/L	1.6	UJ	2	Zinc	Metals
PA-GW6	N	ND	< 4.1	µg/L	4.1	UJ	2	Zinc	Metals
PA-GW6B	FD	=	4.3	µg/L	0.028			Zinc	Metals
PA-GW7	N	=	150	µg/L	1.3			Zinc	Metals
PA-GW8	N	=	110	µg/L	1.3			Zinc	Metals
PA-GW9	N	ND	< 3.4	µg/L	3.4	UJ	2	Zinc	Metals
PA-GW10	N	=	110	µg/L	0.028			Zinc	Metals
PA-GW11	N	ND	< 3.9	µg/L	3.9	UJ	2	Zinc	Metals
PA-GW12	N	=	5.5	µg/L	0.028			Zinc	Metals
PA-GW13	N	ND	< 5.3	µg/L	5.3	UJ	2	Zinc	Metals
PA-GW14	N	=	2.9	µg/L	0.028			Zinc	Metals
PA-GW15	N	ND	< 4.1	µg/L	4.1	UJ	2	Zinc	Metals
PA-GW16	N	ND	< 5	µg/L	5	UJ	2	Zinc	Metals
PA-GW16B	FD	ND	< 5.3	µg/L	5.3	UJ	2	Zinc	Metals
PA-GW17	N	=	80	µg/L	0.028			Zinc	Metals
PA-GW18	N	=	59	µg/L	0.028			Zinc	Metals
PA-GW19	N	=	18	µg/L	0.028			Zinc	Metals
PA-GW20	N	=	65	µg/L	0.028	J	4H	Zinc	Metals
PA-GW21	N	=	72	µg/L	0.028			Zinc	Metals
PA-GW22	N	=	4.3	µg/L	0.028			Zinc	Metals
PA-GW23	N	=	3700	µg/L	2.8			Zinc	Metals
PA-GW24	N	=	12	µg/L	0.028			Zinc	Metals
PA-GW25	N	=	17	µg/L	0.028			Zinc	Metals
PA-GW26	N	=	5.5	µg/L	0.028			Zinc	Metals
PA-GW26B	FD	ND	< 4.5	µg/L	4.5	UJ	2	Zinc	Metals
PA-GW27	N	ND	< 4.5	µg/L	4.5	UJ	2	Zinc	Metals

Terminology/Codes:

Sample Type:
- N — Normal
- FD — Field Duplicate

Parvq: Parvq — Parameter Value Qualifier - The code identifying the qualifier of an analytical result
- = — Value is equal to
- TR — Trace
- ND — Not detected

Flag:
- J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ — The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Reason Code:
- 2 — Method blank contamination
- 4H — MS/MSD recovery above normal limits