Appendix C
Table C2-2: Radionuclides

Analytical Results for Uranium

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	0.0416	mg/L	0.0003			Uranium	Radionuclide
PA-MW2	N	=	0.0274	mg/L	0.0003			Uranium	Radionuclide
PA-MW3	N	=	0.0681	mg/L	0.0003			Uranium	Radionuclide
PA-GW4	N	=	0.0496	mg/L	0.0009			Uranium	Radionuclide
PA-GW5	N	=	0.0584	mg/L	0.0003			Uranium	Radionuclide
PA-GW6	N	=	0.0012	mg/L	0.0003	J	8	Uranium	Radionuclide
PA-GW6B	FD	=	0.0003	mg/L	0.0003	J	8	Uranium	Radionuclide
PA-GW7	N	=	0.0726	mg/L	0.0004			Uranium	Radionuclide
PA-GW8	N	=	0.0244	mg/L	0.0004			Uranium	Radionuclide
PA-GW9	N	=	0.0228	mg/L	0.0003			Uranium	Radionuclide
PA-GW10	N	=	0.0059	mg/L	0.0004			Uranium	Radionuclide
PA-GW11	N	=	0.0471	mg/L	0.0004			Uranium	Radionuclide
PA-GW12	N	=	0.0274	mg/L	0.0003			Uranium	Radionuclide
PA-GW13	N	=	0.0949	mg/L	0.0003			Uranium	Radionuclide
PA-GW14	N	=	0.0056	mg/L	0.0003			Uranium	Radionuclide
PA-GW15	N	=	0.0305	mg/L	0.0004			Uranium	Radionuclide
PA-GW16	N	=	0.0209	mg/L	0.0004			Uranium	Radionuclide
PA-GW16B	FD	=	0.0268	mg/L	0.0004			Uranium	Radionuclide
PA-GW17	N	=	0.0233	mg/L	0.0004			Uranium	Radionuclide
PA-GW18	N	=	0.8100	mg/L	0.0003			Uranium	Radionuclide
PA-GW19	N	=	0.2420	mg/L	0.0003			Uranium	Radionuclide
PA-GW20	N	=	0.2820	mg/L	0.0003			Uranium	Radionuclide
PA-GW21	N	=	0.2100	mg/L	0.0003			Uranium	Radionuclide
PA-GW22	N	=	0.0165	mg/L	0.0003			Uranium	Radionuclide
PA-GW23	N	=	0.1840	mg/L	0.0003			Uranium	Radionuclide
PA-GW24	N	=	0.1120	mg/L	0.0004			Uranium	Radionuclide
PA-GW25	N	=	0.0686	mg/L	0.0003			Uranium	Radionuclide
PA-GW26	N	=	0.0187	mg/L	0.0003			Uranium	Radionuclide
PA-GW26B	FD	=	0.0213	mg/L	0.0003			Uranium	Radionuclide
PA-GW27	N	=	0.0022	mg/L	0.0003			Uranium	Radionuclide

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 C2-2: Radionuclides

Analytical Results for Thorium-232

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-MW2	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-MW3	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW4	N	=	0.025	mg/L	0.002			Thorium-232	Radionuclide
PA-GW5	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW6	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW6B	FD	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW7	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW8	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW9	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW10	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW11	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW12	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW13	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW14	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW15	N	=	0.004	mg/L	0.001			Thorium-232	Radionuclide
PA-GW16	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW16B	FD	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW17	N	=	0.001	mg/L	0.001			Thorium-232	Radionuclide
PA-GW18	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW19	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW20	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW21	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW22	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW23	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW24	N	=	0.008	mg/L	0.001			Thorium-232	Radionuclide
PA-GW25	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW26	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW26B	FD	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide
PA-GW27	N	ND	< 0.001	mg/L	0.001	U		Thorium-232	Radionuclide

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.

Appendix C
Table C2-2: Radionuclides

Analytical Results for Radium-226

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	ND	< 0.2	pCi/L	0.2	UJ	6L	Radium-226	Radionuclide
PA-MW2	N	ND	< 0.2	pCi/L	0.2	UJ	6L	Radium-226	Radionuclide
PA-MW3	N	ND	< 0.2	pCi/L	0.2	UJ	6L	Radium-226	Radionuclide
PA-GW4	N	=	0.9	pCi/L	0.2			Radium-226	Radionuclide
PA-GW5	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW6	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW6B	FD	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW7	N	=	0.4	pCi/L	0.2			Radium-226	Radionuclide
PA-GW8	N	=	0.9	pCi/L	0.2			Radium-226	Radionuclide
PA-GW9	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW10	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW11	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW12	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW13	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW14	N	ND	< 0.2	pCi/L	0.2	UJ	6L	Radium-226	Radionuclide
PA-GW15	N	=	0.7	pCi/L	0.2			Radium-226	Radionuclide
PA-GW16	N	=	0.2	pCi/L	0.2	J	8	Radium-226	Radionuclide
PA-GW16B	FD	=	0.5	pCi/L	0.2	J	8	Radium-226	Radionuclide
PA-GW17	N	=	2	pCi/L	0.2			Radium-226	Radionuclide
PA-GW18	N	=	0.5	pCi/L	0.2			Radium-226	Radionuclide
PA-GW19	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW20	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW21	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW22	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW23	N	=	0.6	pCi/L	0.2			Radium-226	Radionuclide
PA-GW24	N	=	3.8	pCi/L	0.2			Radium-226	Radionuclide
PA-GW25	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW26	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW26B	FD	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide
PA-GW27	N	ND	< 0.2	pCi/L	0.2	U		Radium-226	Radionuclide

Terminology/Codes:

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

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:
- 6L — LCS recovery below normal limits
- 8 — Field duplicate precision outside limits

Appendix C
Table C2-2: Radionuclides

Analytical Results for Radium-228

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	1.1	pCi/L	1			Radium-228	Radionuclide
PA-MW2	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-MW3	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW4	N	=	6.1	pCi/L	1			Radium-228	Radionuclide
PA-GW5	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW6	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW6B	FD	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW7	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW8	N	=	1.5	pCi/L	1			Radium-228	Radionuclide
PA-GW9	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW10	N	=	5.8	pCi/L	1			Radium-228	Radionuclide
PA-GW11	N	=	6.2	pCi/L	1			Radium-228	Radionuclide
PA-GW12	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW13	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW14	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW15	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW16	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW16B	FD	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW17	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW18	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW19	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW20	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW21	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW22	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW23	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW24	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW25	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW26	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW26B	FD	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide
PA-GW27	N	ND	< 1	pCi/L	1	U		Radium-228	Radionuclide

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.

Appendix C
Table C2-3: Water Chemistry

Analytical Results For Hardness (As CaCO3)

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	1100	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-MW2	N	=	490	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-MW3	N	=	260	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW4	N	=	3300	mg/L	3			Hardness (As CaCO3)	Water Chemistry
PA-GW5	N	=	160	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW6	N	=	230	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW6B	FD	=	230	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW7	N	=	930	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW8	N	=	470	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW9	N	=	160	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW10	N	=	330	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW11	N	=	26000	mg/L	50			Hardness (As CaCO3)	Water Chemistry
PA-GW12	N	=	2900	mg/L	40			Hardness (As CaCO3)	Water Chemistry
PA-GW13	N	=	210	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW14	N	=	1200	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW15	N	=	350	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW16	N	=	870	mg/L	1	J	8	Hardness (As CaCO3)	Water Chemistry
PA-GW16B	FD	=	1400	mg/L	2	J	8	Hardness (As CaCO3)	Water Chemistry
PA-GW17	N	=	170	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW18	N	=	2700	mg/L	6			Hardness (As CaCO3)	Water Chemistry
PA-GW19	N	=	2400	mg/L	3			Hardness (As CaCO3)	Water Chemistry
PA-GW20	N	=	4500	mg/L	3			Hardness (As CaCO3)	Water Chemistry
PA-GW21	N	=	1700	mg/L	3			Hardness (As CaCO3)	Water Chemistry
PA-GW22	N	=	560	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW23	N	=	2600	mg/L	3			Hardness (As CaCO3)	Water Chemistry
PA-GW24	N	=	3000	mg/L	5			Hardness (As CaCO3)	Water Chemistry
PA-GW25	N	=	360	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW26	N	=	390	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW26B	FD	=	360	mg/L	1			Hardness (As CaCO3)	Water Chemistry
PA-GW27	N	=	470	mg/L	1			Hardness (As CaCO3)	Water Chemistry

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 C2-3: Water Chemistry

Analytical Results For pH

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	7.69	pH Units	2			pH	Water Chemistry
PA-MW2	N	=	7.16	pH Units	2			pH	Water Chemistry
PA-MW3	N	=	7.54	pH Units	2			pH	Water Chemistry
PA-GW4	N	=	7.76	pH Units	2			pH	Water Chemistry
PA-GW5	N	=	7.84	pH Units	2			pH	Water Chemistry
PA-GW6	N	=	7.95	pH Units	2			pH	Water Chemistry
PA-GW6B	FD	=	7.99	pH Units	2			pH	Water Chemistry
PA-GW7	N	=	7.23	pH Units	2			pH	Water Chemistry
PA-GW8	N	=	7.6	pH Units	2			pH	Water Chemistry
PA-GW9	N	=	7.62	pH Units	2			pH	Water Chemistry
PA-GW10	N	=	7.43	pH Units	2			pH	Water Chemistry
PA-GW11	N	=	7.89	pH Units	2			pH	Water Chemistry
PA-GW12	N	=	7.36	pH Units	2			pH	Water Chemistry
PA-GW13	N	=	7.3	pH Units	2			pH	Water Chemistry
PA-GW14	N	=	7.67	pH Units	2			pH	Water Chemistry
PA-GW15	N	=	7.66	pH Units	2			pH	Water Chemistry
PA-GW16	N	=	7.68	pH Units	2			pH	Water Chemistry
PA-GW16B	FD	=	7.25	pH Units	2			pH	Water Chemistry
PA-GW17	N	=	7.91	pH Units	2			pH	Water Chemistry
PA-GW18	N	=	6.42	pH Units	2			pH	Water Chemistry
PA-GW19	N	=	6.82	pH Units	2			pH	Water Chemistry
PA-GW20	N	=	6.57	pH Units	2			pH	Water Chemistry
PA-GW21	N	=	6.6	pH Units	2			pH	Water Chemistry
PA-GW22	N	=	6.96	pH Units	2			pH	Water Chemistry
PA-GW23	N	=	5.95	pH Units	2			pH	Water Chemistry
PA-GW24	N	=	6.7	pH Units	2			pH	Water Chemistry
PA-GW25	N	=	7.18	pH Units	2			pH	Water Chemistry
PA-GW26	N	=	7.36	pH Units	2			pH	Water Chemistry
PA-GW26B	FD	=	7.35	pH Units	2			pH	Water Chemistry
PA-GW27	N	=	7.77	pH Units	2			pH	Water Chemistry

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 C2-3: Water Chemistry

Analytical Results For Sulfate (As SO4)

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	660	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-MW2	N	=	510	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-MW3	N	=	320	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW4	N	=	6.9	mg/L	2.4			Sulfate (As SO4)	Water Chemistry
PA-GW5	N	=	220	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW6	N	=	440	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW6B	FD	=	440	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW7	N	=	330	mg/L	24			Sulfate (As SO4)	Water Chemistry
PA-GW8	N	=	130	mg/L	2.4			Sulfate (As SO4)	Water Chemistry
PA-GW9	N	=	390	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW10	N	=	530	mg/L	24			Sulfate (As SO4)	Water Chemistry
PA-GW11	N	=	320	mg/L	24			Sulfate (As SO4)	Water Chemistry
PA-GW12	N	=	590	mg/L	10	J	4L	Sulfate (As SO4)	Water Chemistry
PA-GW13	N	=	330	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW14	N	=	100	mg/L	1			Sulfate (As SO4)	Water Chemistry
PA-GW15	N	=	400	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW16	N	=	800	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW16B	FD	=	810	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW17	N	=	390	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW18	N	=	3300	mg/L	100			Sulfate (As SO4)	Water Chemistry
PA-GW19	N	=	2800	mg/L	100			Sulfate (As SO4)	Water Chemistry
PA-GW20	N	=	4100	mg/L	100	J	4L	Sulfate (As SO4)	Water Chemistry
PA-GW21	N	=	1900	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW22	N	=	780	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW23	N	=	5300	mg/L	100			Sulfate (As SO4)	Water Chemistry
PA-GW24	N	=	3500	mg/L	100			Sulfate (As SO4)	Water Chemistry
PA-GW25	N	=	1300	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW26	N	=	450	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW26B	FD	=	450	mg/L	10			Sulfate (As SO4)	Water Chemistry
PA-GW27	N	=	670	mg/L	10			Sulfate (As SO4)	Water Chemistry

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 C2-3: Water Chemistry

Analytical Results For Total Dissolved Solids

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte	Group
PA-MW1	N	=	1300	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-MW2	N	=	1200	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-MW3	N	=	1000	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW4	N	=	1400	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW5	N	=	790	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW6	N	=	1400	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW6B	FD	=	1200	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW7	N	=	2500	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW8	N	=	1600	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW9	N	=	840	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW10	N	=	1700	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW11	N	=	1300	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW12	N	=	1600	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW13	N	=	1600	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW14	N	=	440	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW15	N	=	1100	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW16	N	=	1500	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW16B	FD	=	2200	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW17	N	=	800	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW18	N	=	4200	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW19	N	=	4200	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW20	N	=	5600	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW21	N	=	3400	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW22	N	=	1700	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW23	N	=	8400	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW24	N	=	4300	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW25	N	=	2800	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW26	N	=	3100	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW26B	FD	=	2300	mg/L	3.6			Total Dissolved Solids	Water Chemistry
PA-GW27	N	=	1400	mg/L	3.6			Total Dissolved Solids	Water Chemistry

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 C2-5: TPH

Analytical Results for Gasoline (C4-C12)

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte
PA-MW1	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-MW2	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-MW3	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW4	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW5	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW6	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW6B	FD	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW7	N	=	310	µg/L	50			Gasoline C4-C12
PA-GW8	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW9	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW10	N	=	1100	µg/L	1000			Gasoline C4-C12
PA-GW11	N	=	680	µg/L	250			Gasoline C4-C12
PA-GW12	N	=	78	µg/L	50			Gasoline C4-C12
PA-GW13	N	=	56	µg/L	50			Gasoline C4-C12
PA-GW14	N	=	98	µg/L	50			Gasoline C4-C12
PA-GW15	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW16	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW16B	FD	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW17	N	=	120	µg/L	50			Gasoline C4-C12
PA-GW18	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW19	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW20	N	=	80	µg/L	50			Gasoline C4-C12
PA-GW21	N	=	73	µg/L	50			Gasoline C4-C12
PA-GW22	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW23	N	=	280	µg/L	100			Gasoline C4-C12
PA-GW24	N	ND	< 50	µg/L	50	U		Gasoline C4-C12
PA-GW25	N	=	110	µg/L	50			Gasoline C4-C12
PA-GW26	N	=	590	µg/L	100			Gasoline C4-C12
PA-GW26B	FD	=	560	µg/L	100			Gasoline C4-C12
PA-GW27	N	ND	< 50	µg/L	50	U		Gasoline C4-C12

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.

Appendix C
Table C2-5: TPH

Analytical Results for Diesel Components (C12-C23)

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte
PA-MW1	N	=	160	µg/L	21			Diesel Components
PA-MW2	N	=	2400	µg/L	82			Diesel Components
PA-MW3	N	=	460	µg/L	20			Diesel Components
PA-GW4	N	=	2200	µg/L	110			Diesel Components
PA-GW5	N	=	60	µg/L	21			Diesel Components
PA-GW6	N	=	100	µg/L	21	J	8	Diesel Components
PA-GW6B	FD	TR	43	µg/L	21	J	8,T	Diesel Components
PA-GW7	N	=	1700	µg/L	81	J	3H	Diesel Components
PA-GW8	N	=	100	µg/L	20			Diesel Components
PA-GW9	N	ND	< 21	µg/L	21	U		Diesel Components
PA-GW10	N	=	9400	µg/L	210			Diesel Components
PA-GW11	N	=	2200	µg/L	86			Diesel Components
PA-GW12	N	=	3200	µg/L	100			Diesel Components
PA-GW12B	FD	=	3700	µg/L	100			Diesel Components
PA-GW13	N	=	4500	µg/L	210			Diesel Components
PA-GW14	N	=	4400	µg/L	430			Diesel Components
PA-GW15	N	=	67	µg/L	21			Diesel Components
PA-GW16	N	=	53	µg/L	21			Diesel Components
PA-GW16B	FD	=	64	µg/L	21			Diesel Components
PA-GW17	N	=	1800	µg/L	110			Diesel Components
PA-GW18	N	TR	25	µg/L	20	J	T	Diesel Components
PA-GW19	N	=	97	µg/L	21			Diesel Components
PA-GW20	N	=	2100	µg/L	86			Diesel Components
PA-GW21	N	=	11000	µg/L	210			Diesel Components
PA-GW22	N	=	66	µg/L	21			Diesel Components
PA-GW23	N	=	2000	µg/L	110			Diesel Components
PA-GW24	N	=	69	µg/L	21			Diesel Components
PA-GW25	N	=	2400	µg/L	200			Diesel Components
PA-GW26	N	=	3200	µg/L	210			Diesel Components
PA-GW27	N	=	170	µg/L	30			Diesel Components

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:
- 3H — Surrogate recovery above normal limits
- 8 — Field duplicate precision outside limits
- T — Trace level compound, poor quantitation

Appendix C
Table C2-5: TPH

Analytical Results for Motor Oils (C23-C40)

Name	Sample Type	Parvq	Result	Units	Detection Limit	Flag	Reason Code	Analyte
PA-MW1	N	TR	320	µg/L	94	J	T	Motor Oils
PA-MW2	N	=	3300	µg/L	370			Motor Oils
PA-MW3	N	=	700	µg/L	92			Motor Oils
PA-GW4	N	=	3200	µg/L	480			Motor Oils
PA-GW5	N	ND	< 96	µg/L	96	U		Motor Oils
PA-GW6	N	ND	< 96	µg/L	96	U		Motor Oils
PA-GW6B	FD	ND	< 96	µg/L	96	U		Motor Oils
PA-GW7	N	TR	1300	µg/L	360	J	3H,T	Motor Oils
PA-GW8	N	TR	410	µg/L	91	J	T	Motor Oils
PA-GW9	N	ND	< 94	µg/L	94	U		Motor Oils
PA-GW10	N	TR	1000	µg/L	960	J	T	Motor Oils
PA-GW11	N	TR	470	µg/L	390	J	T	Motor Oils
PA-GW12	N	=	7300	µg/L	460			Motor Oils
PA-GW12B	FD	=	8400	µg/L	460			Motor Oils
PA-GW13	N	TR	3200	µg/L	960	J	T	Motor Oils
PA-GW14	N	=	29000	µg/L	1900			Motor Oils
PA-GW15	N	ND	< 96	µg/L	96	U		Motor Oils
PA-GW16	N	ND	< 96	µg/L	96	U		Motor Oils
PA-GW16B	FD	ND	< 96	µg/L	96	U		Motor Oils
PA-GW17	N	TR	2200	µg/L	480	J	T	Motor Oils
PA-GW18	N	ND	< 92	µg/L	92	U		Motor Oils
PA-GW19	N	ND	< 96	µg/L	96	U		Motor Oils
PA-GW20	N	ND	< 390	µg/L	390	U		Motor Oils
PA-GW21	N	=	13000	µg/L	940			Motor Oils
PA-GW22	N	ND	< 96	µg/L	96	U		Motor Oils
PA-GW23	N	ND	< 480	µg/L	480	U		Motor Oils
PA-GW24	N	ND	< 96	µg/L	96	U		Motor Oils
PA-GW25	N	TR	2700	µg/L	910	J	T	Motor Oils
PA-GW26	N	TR	1100	µg/L	930	J	T	Motor Oils
PA-GW27	N	TR	270	µg/L	130	J	T	Motor Oils

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:
- 3H — Surrogate recovery above normal limits
- T — Trace level compound, poor quantitation