

TABLE 1
ALYESKA GROUNDWATER PFAS RESULTS THROUGH APRIL 10, 2019

| Sample Name | Sample Type | Analyte: Action Level: Sample Date | EtFOSAA | MeFOSAA | Perfluorohexanoic Acid (PFHxA) | Perfluorodecanoic Acid (PFDA) | Perfluoroundecanoic Acid (PFUnDA) | Perfluorododecanoic Acid (PFDoA) | Perfluorotridecanoic Acid (PFTriDA) | Perfluorotetradecanoic Acid (PFTA) |
|----------------|-------------|--|----------|----------|-----------------------------------|----------------------------------|--------------------------------------|-------------------------------------|--|---------------------------------------|
| | | | — ppt | — ppt | — ppt | — ppt | — ppt | — ppt | — ppt | — ppt |
| 02-422363-KS | 2/16/2019 | PS | 0.739 J | 0.473 J | 5.95 B* | <1.61 | 0.245 J | 0.506 J | 0.574 J | 0.365 J |
| 02-822363-WH | 2/16/2019 | DUP | <1.96 | <1.96 | 6.46 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 02-422363-WH | 2/16/2019 | PS | <2.00 | <2.00 | 6.23 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 |
| 03-657026-KS | 3/1/2019 | PS | <1.89 | <1.89 | 4.89 | <1.89 | <1.89 | <1.89 | <1.89 | <1.89 |
| 03-657026-WH | 3/1/2019 | PS | <1.92 | <1.92 | 4.93 | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 |
| 04-657016-KS | 3/1/2019 | PS | <2.13 | <2.13 | 2.94 | <2.13 | <2.13 | <2.13 | <2.13 | <2.13 |
| 04-657016-WH | 3/1/2019 | PS | <2.04 | <2.04 | 2.91 | <2.04 | <2.04 | <2.04 | <2.04 | <2.04 |
| 06-657036-KS | 3/25/2019 | PS | <6.00 | <6.00 | 3.62 J | <3.00 | <3.00 | <3.00 | <3.00 | <3.00 |
| 06-857036-WH | 3/25/2019 | DUP | <6.00 J* | <6.00 J* | 3.50 J | <3.00 | <3.00 J* | <3.00 | <3.00 J* | <3.00 J* |
| 06-657036-WH | 3/25/2019 | PS | <6.00 | <6.00 | 3.65 J | <3.00 | <3.00 | <3.00 | <3.00 | <3.00 |
| 08-823284-KS | 2/16/2019 | DUP | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 08-323284-KS | 2/16/2019 | PS | <1.96 | <1.96 | 0.353 J | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 08-323284-WH | 2/16/2019 | PS | 2.48 | 1.88 J | 0.552 J | 0.682 J | 1.78 J | 2.24 | 3.92 | 5.11 |
| 09-477591-KS | 3/21/2019 | PS | <6.00 | <6.00 | <2.00 | <3.00 | <3.00 | <3.00 | <3.00 | <3.00 |
| 09-477591-RO | 3/21/2019 | PS | <5.80 | <5.80 | <1.90 | <2.90 | <2.90 | <2.90 | <2.90 | <2.90 |
| 09-477591-WH | 3/21/2019 | PS | <5.80 J* | <5.80 J* | <1.90 | <2.90 | <2.90 J* | <2.90 | <2.90 J* | <2.90 J* |
| 10-483133-KS | 3/6/2019 | PS | <1.00 | <1.00 | 0.342 J | <0.400 | <1.00 | <0.400 | <0.400 | <0.400 |
| 10-483133-RO | 3/6/2019 | PS | <1.00 | <1.00 | <0.400 | <0.400 | <1.00 | <0.400 | <0.400 | <0.400 |
| 10-483133-WH | 3/6/2019 | PS | <1.00 | <1.00 | 0.548 J | <0.420 | <1.00 | <0.420 | <0.420 | <0.420 |
| 11-483125-KS | 2/16/2019 | PS | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 |
| 11-483125-WH | 2/16/2019 | PS | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 |
| 12-483117-KS | 2/18/2019 | PS | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 |
| 12-483117-WH | 2/18/2019 | PS | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 13-483109-KS | 2/21/2019 | PS | <1.96 | <1.96 | 0.257 J | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 13-483109-WH | 2/21/2019 | PS | <1.92 | <1.92 | 0.279 J | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 |
| 14-323403-KS | 2/21/2019 | PS | <1.89 | <1.89 | 0.466 J | <1.89 | <1.89 | <1.89 | <1.89 | <1.89 |
| 14-323403-RO | 2/21/2019 | PS | <1.89 | <1.89 | <1.89 | <1.89 | <1.89 | <1.89 | <1.89 | <1.89 |
| 14-323403-WH | 2/21/2019 | PS | <2.00 | <2.00 | 0.508 J | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 |
| 15-323519-KS | 2/18/2019 | PS | <1.85 | <1.85 | 0.628 B* | <1.85 | <1.85 | <1.85 | <1.85 | <1.85 |
| 15-823519-WH | 2/18/2019 | DUP | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 |
| 15-323519-WH | 2/18/2019 | PS | <1.96 | <1.96 | 0.472 J | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 16-483087-KS | 3/12/2019 | PS | <1.00 | <1.00 | <0.400 | <0.400 | <1.00 | <0.400 | <0.400 | <0.400 |
| 16-483087-WH | 3/12/2019 | PS | <1.00 | <1.00 | <0.410 | <0.410 | <1.00 | <0.410 | <0.410 | <0.410 |
| 17-483095-KS | 3/12/2019 | PS | <1.00 | <1.00 | <0.400 | <0.400 | <1.00 | <0.400 | <0.400 | <0.400 |
| 17-483095-WH | 3/12/2019 | PS | <1.00 | <1.00 | <0.410 | <0.410 | <1.00 | <0.410 | <0.410 | <0.410 |
| 19-483150-OS | 2/16/2019 | PS | <1.82 | <1.82 | 6.47 | <1.82 | <1.82 | <1.82 | <1.82 | <1.82 |
| 19-483150-WH | 2/16/2019 | PS | <1.96 | <1.96 | 6.15 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 20-323314-KS | 2/23/2019 | PS | <1.96 | <1.96 | 4.79 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 20-323314-WHAF | 2/23/2019 | PS | <1.89 | <1.89 | 4.59 | <1.89 | <1.89 | <1.89 | <1.89 | <1.89 |
| 24-298778-KS | 2/16/2019 | PS | <1.72 | <1.72 | <1.72 | <1.72 | <1.72 | <1.72 | <1.72 | <1.72 |
| 24-298778-WH | 2/16/2019 | PS | <1.72 | <1.72 | <1.72 | <1.72 | <1.72 | <1.72 | <1.72 | <1.72 |
| 25-664551-BS | 2/16/2019 | PS | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 |

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| Sample Name | Sample Type | Analyte: Action Level: Sample Date | Perfluorobutanesulfonic Acid | Perfluorohexanesulfonic Acid | Perfluorononanoic Acid | Perfluoroheptanoic Acid | Perfluorooctanoic Acid | Perfluorooctanesulfonic Acid | LHA Combined (PFOS | Sum of 5 |
|----------------|-------------|--|------------------------------|------------------------------|------------------------|-------------------------|------------------------|------------------------------|--------------------|-------------|
| | | | (PFBS) | (PFHxS) | (PFNA) | (PFHpA) | (PFOA) | (PFOS) | + PFOA) | PFAS§ |
| | | | 2,000 | — | — | — | 70† | 70† | 70† | 70§ |
| | | | ppt | ppt | ppt | ppt | ppt | ppt | ppt | ppt |
| 02-422363-KS | 2/16/2019 | PS | 0.176 J | 2.91 | 9.08 | 4.33 B* | 5.29 B* | 5.94 | 11.2 B* | 27.6 B* |
| 02-822363-WH | 2/16/2019 | DUP | <1.96 | 2.98 | 9.12 | 4.07 | 4.74 | 7.28 | 12.0 | 28.2 |
| 02-422363-WH | 2/16/2019 | PS | <2.00 | 2.48 | 8.75 | 3.76 | 4.09 | 6.79 | 10.9 | 25.9 |
| 03-657026-KS | 3/1/2019 | PS | <1.89 | 2.29 | 4.83 | 2.72 | 3.27 | 9.71 | 13.0 | 22.8 |
| 03-657026-WH | 3/1/2019 | PS | <1.92 | 2.28 | 4.44 | 2.69 | 3.33 | 9.95 | 13.3 | 22.7 |
| 04-657016-KS | 3/1/2019 | PS | 0.547 J | 2.09 J | <2.13 | 1.54 J | 1.05 J | 0.781 J | 1.83 J | 5.46 J‡ |
| 04-657016-WH | 3/1/2019 | PS | 0.614 J* | 2.19 | <2.04 | 1.60 J | 1.13 J | 0.722 J | 1.85 J | 5.64 J‡ |
| 06-657036-KS | 3/25/2019 | PS | <2.00 | 3.31 J | 3.25 J | 2.65 J | 3.57 J | 11.0 | 14.6 J | 23.8 J |
| 06-857036-WH | 3/25/2019 | DUP | <2.00 | 3.02 J | 3.23 J | 2.49 J | 3.41 J | 9.60 | 13.0 J | 21.8 J |
| 06-657036-WH | 3/25/2019 | PS | <2.00 | 3.25 J | 3.29 J | 2.65 J | 3.79 J | 9.73 | 13.5 J | 22.7 J |
| 08-823284-KS | 2/16/2019 | DUP | <1.96 | 0.206 J | <1.96 | <1.96 | 0.257 JB* | <1.96 | 0.257 JB*‡ | 0.463 JJB*‡ |
| 08-323284-KS | 2/16/2019 | PS | <1.96 | <1.96 | <1.96 | <1.96 | 0.299 B* | <1.96 | 0.299 B*‡ | 0.299 B*‡ |
| 08-323284-WH | 2/16/2019 | PS | <2.04 | <2.04 | <2.04 | 0.238 J | 0.356 B* | 0.335 J | 0.691 B*J | 0.929 B*J‡ |
| 09-477591-KS | 3/21/2019 | PS | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | N/A | N/A |
| 09-477591-RO | 3/21/2019 | PS | <1.90 | <1.90 | <1.90 | <1.90 | <1.90 | <1.90 | N/A | N/A |
| 09-477591-WH | 3/21/2019 | PS | <1.90 | <1.90 | 1.14 J | <1.90 | <1.90 | <1.90 | N/A | 1.14 J‡ |
| 10-483133-KS | 3/6/2019 | PS | <0.400 | <0.400 | <0.400 | 0.215 J | 0.344 J | <0.400 | 0.344 J‡ | 0.559 J‡ |
| 10-483133-RO | 3/6/2019 | PS | <0.400 | <0.400 | <0.400 | <0.400 | <0.400 | <0.400 | N/A | N/A |
| 10-483133-WH | 3/6/2019 | PS | <0.420 | <0.420 | 0.337 J | 0.341 J | 0.719 J | <0.420 | 0.719 J‡ | 1.40 J‡ |
| 11-483125-KS | 2/16/2019 | PS | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | N/A | N/A |
| 11-483125-WH | 2/16/2019 | PS | <1.69 | <1.69 | <1.69 | <1.69 | 0.226 J | <1.69 | 0.226 J‡ | 0.226 J‡ |
| 12-483117-KS | 2/18/2019 | PS | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | N/A | N/A |
| 12-483117-WH | 2/18/2019 | PS | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | N/A | N/A |
| 13-483109-KS | 2/21/2019 | PS | <1.96 | <1.96 | <1.96 | <1.96 | 0.253 B* | <1.96 | 0.253 B*‡ | 0.253 B*‡ |
| 13-483109-WH | 2/21/2019 | PS | <1.92 | <1.92 | <1.92 | 1.92 B* | 0.268 B* | <1.92 | 0.268 B*‡ | 2.19 B*‡ |
| 14-323403-KS | 2/21/2019 | PS | <1.89 | <1.89 | <1.89 | 0.356 J | 0.275 J | <1.89 | 0.275 J‡ | 0.631 J‡ |
| 14-323403-RO | 2/21/2019 | PS | <1.89 | <1.89 | <1.89 | <1.89 | <1.89 | <1.89 | N/A | N/A |
| 14-323403-WH | 2/21/2019 | PS | <2.00 | <2.00 | <2.00 | 0.401 J | <2.00 | <2.00 | N/A | 0.401 J‡ |
| 15-323519-KS | 2/18/2019 | PS | <1.85 | <1.85 | <1.85 | 0.558 B* | 0.329 B* | <1.85 | 0.329 B*‡ | 0.887 B*‡ |
| 15-823519-WH | 2/18/2019 | DUP | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | N/A | N/A |
| 15-323519-WH | 2/18/2019 | PS | <1.96 | <1.96 | <1.96 | 0.370 J | 0.741 J | 0.350 J | 1.09 J | 1.46 J‡ |
| 16-483087-KS | 3/12/2019 | PS | <0.400 | <0.400 | <0.400 | <0.400 | <0.400 | <0.400 | N/A | N/A |
| 16-483087-WH | 3/12/2019 | PS | <0.410 | <0.410 | <0.410 | <0.410 | <0.410 | <0.410 | N/A | N/A |
| 17-483095-KS | 3/12/2019 | PS | <0.400 | <0.400 | <0.400 | <0.400 | <0.400 | <0.400 | N/A | N/A |
| 17-483095-WH | 3/12/2019 | PS | <0.410 | <0.410 | <0.410 | <0.410 | <0.410 | <0.410 | N/A | N/A |
| 19-483150-OS | 2/16/2019 | PS | 0.410 J | 6.59 | 1.72 J | 5.25 | 5.80 B* | <1.82 | 5.80 B*‡ | 19.4 B*J‡ |
| 19-483150-WH | 2/16/2019 | PS | 0.432 J | 4.31 | 1.73 J | 3.71 | 4.10 | <1.96 | 4.10 ‡ | 13.9 J‡ |
| 20-323314-KS | 2/23/2019 | PS | 0.281 J | 2.74 | 1.71 J | 2.96 | 3.23 | 5.50 | 8.73 | 16.1 J |
| 20-323314-WHAF | 2/23/2019 | PS | 0.292 J | 2.63 | 1.51 J | 2.70 | 2.59 B* | 5.78 | 8.37 B* | 15.2 B*J |
| 24-298778-KS | 2/16/2019 | PS | <1.72 | 0.267 J | 0.836 J | 0.400 J | 0.582 J | 0.271 J | 0.853 J | 2.36 J |
| 24-298778-WH | 2/16/2019 | PS | <1.72 | 0.293 J | 0.766 J | 0.355 J | 0.456 B* | 0.246 J | 0.702 B*J | 2.12 B*J |
| 25-664551-BS | 2/16/2019 | PS | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 | <1.69 | N/A | N/A |

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| Sample Name | Sample Type | Sample Date | Analyte: | EtFOSAA | MeFOSAA | Perfluorohexanoic Acid (PFHxA) | Perfluorodecanoic Acid (PFDA) | Perfluoroundecanoic Acid (PFUnDA) | Perfluorododecanoic Acid (PFDoA) | Perfluorotridecanoic Acid (PFTriDA) | Perfluorotetradecanoic Acid (PFTA) |
|------------------|-------------|-------------|---------------|---------|---------|--------------------------------|-------------------------------|-----------------------------------|----------------------------------|-------------------------------------|------------------------------------|
| | | | Action Level: | — | — | — | — | — | — | — | — |
| | | | | ppt | ppt | ppt | ppt | ppt | ppt | ppt | ppt |
| 25-664551-WH | 2/16/2019 | PS | | <1.85 | <1.85 | 0.491 J | <1.85 | <1.85 | <1.85 | <1.85 | <1.85 |
| 26-664561-KS | 2/21/2019 | PS | | <1.92 | <1.92 | 0.843 J | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 |
| 26-664561-WH | 2/21/2019 | PS | | <1.92 | <1.92 | 1.03 J | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 |
| 27-323608-KS | 2/18/2019 | PS | | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 |
| 27-323608-WH | 2/18/2019 | PS | | <1.85 | <1.85 | 0.744 J | 0.267 J | <1.85 | <1.85 | <1.85 | <1.85 |
| 29-655897-KS | 2/18/2019 | PS | | <2.00 | <2.00 | 0.773 J | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 |
| 29-855897-WH | 2/18/2019 | DUP | | <1.96 | <1.96 | 0.755 J | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 29-655897-WH | 2/18/2019 | PS | | <1.96 | <1.96 | 0.677 J | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 30-685984-WH | 2/23/2019 | PS | | <1.92 | <1.92 | 0.271 J | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 |
| 31-483354-KS | 2/16/2019 | PS | | <1.79 | <1.79 | 1.50 J | <1.79 | <1.79 | <1.79 | <1.79 | <1.79 |
| 31-483354-Other | 2/16/2019 | PS | | <1.96 | <1.96 | 1.35 J | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 32-527289-KS | 2/16/2019 | PS | | <1.85 | <1.85 | 0.292 J | <1.85 | <1.85 | <1.85 | <1.85 | <1.85 |
| 32-527289-WH | 2/16/2019 | PS | | <2.08 | <2.08 | 0.440 J | <2.08 | <2.08 | <2.08 | <2.08 | <2.08 |
| 34-323365-KS | 2/16/2019 | PS | | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 34-323365-WH | 2/16/2019 | PS | | <4.00 | <4.00 | <4.00 | 0.496 J | 0.694 J | 0.460 J | 0.434 J | <4.00 |
| 35-323331.1-KS | 2/18/2019 | PS | | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 |
| 35-323331.1-WHAF | 2/18/2019 | PS | | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 35-323331.2-KS | 2/18/2019 | PS | | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 |
| 35-323331.2-WHAF | 2/18/2019 | PS | | <2.00 | <2.00 | 0.266 B* | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 |
| 36-527271-KS | 2/16/2019 | PS | | <2.04 | <2.04 | <2.04 | <2.04 | <2.04 | <2.04 | <2.04 | <2.04 |
| 36-527271-WH | 2/16/2019 | PS | | <2.04 | <2.04 | 0.241 J | <2.04 | <2.04 | <2.04 | <2.04 | <2.04 |
| 5-432938-KS | 2/18/2019 | PS | | <1.92 | <1.92 | 0.455 J | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 |
| 5-432938-WH | 2/18/2019 | PS | | <1.96 | <1.96 | 0.474 J | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 7-432920-KS | 2/21/2019 | PS | | <1.96 | <1.96 | 7.96 | <1.96 | <1.96 | <1.96 | <1.96 | <1.96 |
| 7-832920-WH | 2/21/2019 | DUP | | <1.92 | <1.92 | 7.88 | <1.92 | <1.92 | <1.92 | <1.92 | <1.92 |
| 7-432920-WH | 2/21/2019 | PS | | <2.00 | <2.00 | 7.90 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 |

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| Sample Name | Sample Type | Analyte: Action Level: Sample Date | Perfluorobutanesulfonic Acid | Perfluorohexanesulfonic Acid | Perfluorononanoic Acid | Perfluoroheptanoic Acid | Perfluorooctanoic Acid | Perfluorooctanesulfonic Acid | LHA Combined (PFOS | Sum of 5 |
|------------------|-------------|--|------------------------------|------------------------------|------------------------|-------------------------|------------------------|------------------------------|--------------------|------------|
| | | | (PFBS) | (PFHxS) | (PFNA) | (PFHpA) | (PFOA) | (PFOS) | + PFOA) | PFASs |
| | | | 2,000 | — | — | — | 70† | 70† | 70† | 70§ |
| | | | ppt | ppt | ppt | ppt | ppt | ppt | ppt | ppt |
| 25-664551-WH | 2/16/2019 | PS | <1.85 | <1.85 | 0.199 J | 0.537 J | 0.418 B* | <1.85 | 0.418 B*† | 1.15 B*J† |
| 26-664561-KS | 2/21/2019 | PS | <1.92 | <1.92 | <1.92 | 0.902 J | 0.544 B* | <1.92 | 0.544 B*† | 1.45 B*J† |
| 26-664561-WH | 2/21/2019 | PS | <1.92 | <1.92 | <1.92 | 0.959 J | 0.503 B* | 0.591 J | 1.09 B*J | 2.05 B*J† |
| 27-323608-KS | 2/18/2019 | PS | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | <2.00 | N/A | N/A |
| 27-323608-WH | 2/18/2019 | PS | <1.85 | <1.85 | <1.85 | 0.255 J | 0.708 J | <1.85 | 0.708 J† | 0.963 J† |
| 29-655897-KS | 2/18/2019 | PS | <2.00 | <2.00 | <2.00 | 0.583 J | 0.456 J | <2.00 | 0.456 J† | 1.04 J† |
| 29-855897-WH | 2/18/2019 | DUP | <1.96 | <1.96 | <1.96 | 0.583 J | 0.398 J | <1.96 | 0.398 J† | 0.981 J† |
| 29-655897-WH | 2/18/2019 | PS | <1.96 | <1.96 | <1.96 | 0.593 J | 0.513 J | <1.96 | 0.513 J† | 1.11 J† |
| 30-685984-WH | 2/23/2019 | PS | 0.223 J | <1.92 | <1.92 | <1.92 | 0.208 J | <1.92 | 0.208 J† | 0.208 J† |
| 31-483354-KS | 2/16/2019 | PS | 1.12 J | 26.9 | <1.79 | 0.669 B* | 0.289 B* | <1.79 | 0.289 B*† | 27.9 B*† |
| 31-483354-Other | 2/16/2019 | PS | 1.09 J | 27.1 | <1.96 | 0.650 J | <1.96 | <1.96 | N/A | 27.8 J† |
| 32-527289-KS | 2/16/2019 | PS | <1.85 | <1.85 | <1.85 | 0.185 J | 0.337 J | <1.85 | 0.337 J† | 0.522 J† |
| 32-527289-WH | 2/16/2019 | PS | <2.08 | <2.08 | <2.08 | <2.08 | 0.394 B* | <2.08 | 0.394 B*† | 0.394 B*† |
| 34-323365-KS | 2/16/2019 | PS | <1.96 | <1.96 | <1.96 | <1.96 | 0.433 B* | <1.96 | 0.433 B*† | 0.433 B*† |
| 34-323365-WH | 2/16/2019 | PS | <4.00 | <4.00 J* | <4.00 | <4.00 | 0.608 J | <4.00 | 0.608 J† | 0.608 JJ*† |
| 35-323331.1-KS | 2/18/2019 | PS | <1.92 | <1.92 | <1.92 | <1.92 | 0.222 J | <1.92 | 0.222 J† | 0.222 J† |
| 35-323331.1-WHAF | 2/18/2019 | PS | <1.96 | <1.96 | <1.96 | <1.96 | 0.521 B* | 0.589 J | 1.11 B*J | 1.11 B*J† |
| 35-323331.2-KS | 2/18/2019 | PS | <1.92 | <1.92 | <1.92 | 0.234 J | 0.339 J | <1.92 | 0.339 J† | 0.573 J† |
| 35-323331.2-WHAF | 2/18/2019 | PS | <2.00 | <2.00 | <2.00 | <2.00 | 0.445 B* | <2.00 | 0.445 B*† | 0.445 B*† |
| 36-527271-KS | 2/16/2019 | PS | <2.04 | <2.04 | <2.04 | <2.04 | 0.375 B* | <2.04 | 0.375 B*† | 0.375 B*† |
| 36-527271-WH | 2/16/2019 | PS | <2.04 | <2.04 | <2.04 | <2.04 | 0.247 B* | <2.04 | 0.247 B*† | 0.247 B*† |
| 5-432938-KS | 2/18/2019 | PS | <1.92 | <1.92 | 0.542 J | 0.299 J | 0.418 J | 0.220 J | 0.638 J | 1.48 J† |
| 5-432938-WH | 2/18/2019 | PS | <1.96 | <1.96 | 0.554 J | 0.322 J | 0.529 J | <1.96 | 0.529 J† | 1.41 J† |
| 7-432920-KS | 2/21/2019 | PS | 0.443 J | 4.99 | 1.83 J | 5.08 | 4.92 | 9.48 | 14.4 | 26.3 J |
| 7-832920-WH | 2/21/2019 | DUP | 0.406 J | 4.73 | 1.81 J | 4.85 | 5.41 | 9.43 | 14.8 | 26.2 J |
| 7-432920-WH | 2/21/2019 | PS | 0.447 J | 5.06 | 1.91 J | 5.00 | 5.27 | 10.4 | 15.7 | 27.6 J |

TABLE 1
ALYESKA GROUNDWATER PFAS RESULTS THROUGH APRIL 10, 2019

Notes

Alaska Department of Environmental Conservation (ADEC) groundwater-cleanup levels are reported in 18 AAC 75.345, Table C. These levels were promulgated in November 2016.

§ Sum of 5 PFAS is equal to the sum of detected concentrations of PFOS, PFOA, PFHxS, PFHpA, and PFNA. ADEC action level is 70 ppt; results are compared to 65 ppt. The ADEC issued a proposed PFAS groundwater-cleanup level that matches the drinking water action level in October 2018; it has not yet been adopted.

† LHA level is 70 ppt for PFOS and PFOA combined; following ADEC guidance results are compared to 65 ppt.

ppt parts per trillion, equivalent to nanograms per liter

- Groundwater-cleanup level or action level not established

PS Primary sample

DUP Field-duplicate sample

< Analyte not detected; listed as less than the limit of quantitation (LOQ) unless otherwise flagged due to quality-control (QC) failures.

J Estimated concentration, detected greater than the detection limit (DL) and less than the LOQ. Flag applied by the laboratory.

J* Result considered estimated due to a QC failure. Flag applied by Shannon & Wilson, Inc.

B* Target analyte was detected in the associated field blank sample. Flag applied by Shannon & Wilson, Inc.

‡ Minimum concentration, the Sum of 5 PFAS concentration includes one or more result that is not detected greater than the MDL.

Sample Naming

KS Kitchen sink

BS Bathroom sink

OS Other indoor sink

RO Reverse osmosis water treatment system

WH Well head

WHAF Well head, after sediment filter

Other Other well head equivalent sample location